



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

March 28, 1991

Meridian Oil Inc.
PO Box 4289
Farmington, NM 87499-4289

Attention: George T. Dunn

RE: *Injection Pressure Increase
Pump Canyon SWD No. 1
San Juan County, New Mexico*

Dear Mr. Dunn:

Reference is made to your request dated February 26, 1991, to increase the surface injection pressure on the Pump Canyon SWD Well No. 1. This request is based on a step rate test conducted on the well on August 24, 1989. The results of the test have been reviewed by my staff and we feel an increase in injection pressure on the well is justified at this time.

You are therefore authorized to increase the surface injection pressure on the following well.

WELL AND LOCATION

MAXIMUM INJECTION
SURFACE PRESSURE

Pump Canyon SWD No. 1
Unit J, Section 7, Township 30 North,
Range 8 West, NMPM,
San Juan County, New Mexico

2150 PS16

The Division Director may rescind this injection pressure increase if it becomes apparent that the injected water is not being confined to the injection zone or is endangering any fresh water aquifers.

Sincerely,

William J. LeMay
Director

cc: Oil Conservation Division - Aztec
File: SWD-344
D. Catanach
R. Brown

MERIDIAN OIL

February 26, 1991

New Mexico Oil Conservation Division
Mr. David Catanach
310 Old Santa Fe Trail
P.O. Box 2088
Santa Fe, New Mexico 87501

RE: Order SWD-344
Pump Canyon SWD #1
Step Rate Test Analysis

Dear Mr. Catanach:

Order SWD-344, dated June 13, 1988, established a limiting surface injection pressure of 1478 psi for the Pump Canyon SWD #1, operated by Meridian Oil Inc. During August, 1989 two additional zones were completed as provided for in the original order. A step rate injection test was run on August 24, 1989 under the auspices of the New Mexico Oil Commission. The results of the test indicated a parting pressure of 4380 psi at 8050'. This corresponds to a surface pressure of 2200 psi at an injection rate of 24 BPM. An application requesting an increase in the surface injection pressure was submitted to your office in a letter dated October 25, 1989 and to our knowledge, a response was not received concerning this application.

The composite zone step rate test is a complicated analysis due to the multiple zones involved. The layered system results in a profile change at an injection rate of 11 BPM prior to the breakover rate of 24.5 BPM. The analysis of the test indicates that the injection from 1 to 10 BPM is taken by the Morrison and Bluff formations, which had been stimulated just prior to the test. The slope change at 11 BPM was at a surface pressure of 980 psi and is interpreted to be the initiation of injection into the Entrada and not a parting of the formation rock. This is supported by the fact the Entrada was taking water at a surface injection pressure of 1000 psi prior to the workover to add the Morrison and Bluff pay. The injection from 11 to 20 BPM appears to have been taken into the natural fracture system of the Entrada. This is based on the step rate test performed on the Entrada zone only, which had a very similar slope characteristic in the 10 to 20 BPM region. At a rate of 21 BPM the composite test began to increase in slope again. The composite parting pressure occurred at a rate of 24.5 BPM and a BHP of 4380 psi. This equates to a fracture gradient of .54 psi/ft and a surface pressure of 2200 psi.

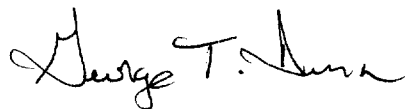
Order SWD-344
Pump Canyon SWD #1
Step Rate Test Analysis
Page Two

The attached step rate test plot shows the BHP vs. rate for all three zones and the composite test. The two upper zones, the Morrison and Bluff, are tighter and parted at low injection rates of 2 and 11 BPM, respectively. The Entrada took injection of 35 BPM to reach parting pressure. This is indicative of the conductivity of the natural fracture in the formation. The composite curve shows influence of all three zones with the Entrada dominating the injection from 11 to 20 BPM. At 21 BPM, the other two zones begin to take additional water and parting occurs at 24.5 BPM.

The fracture gradient of .54 psi/ft is reasonable in comparison to the other SWD wells we operate in the basin. There are three other step rate tests in the Entrada on the San Juan 30-6 SWD #2, San Juan 31-6 #301 and the Middle Mesa SWD #1. The average for these wells is .55 psi/ft parting pressure with a low of .52 psi/ft. An additional support for the .54 psi/ft frac gradient is a theoretical calculation of the gradient. A calculation using the pore pressure of the Entrada, overburden pressure and a range of Poisson's ratios yielded a fracture gradient range of .54 to .64 psi/ft.

Meridian Oil requests that the step rate test results be reviewed again and the surface injection pressure be increased from 1478 to 2200 psi. Attached for your review is the data from the bottom hole pressure gauge and the surface injection rates.

Respectfully,



George T. Dunn
Regional Production Engineer

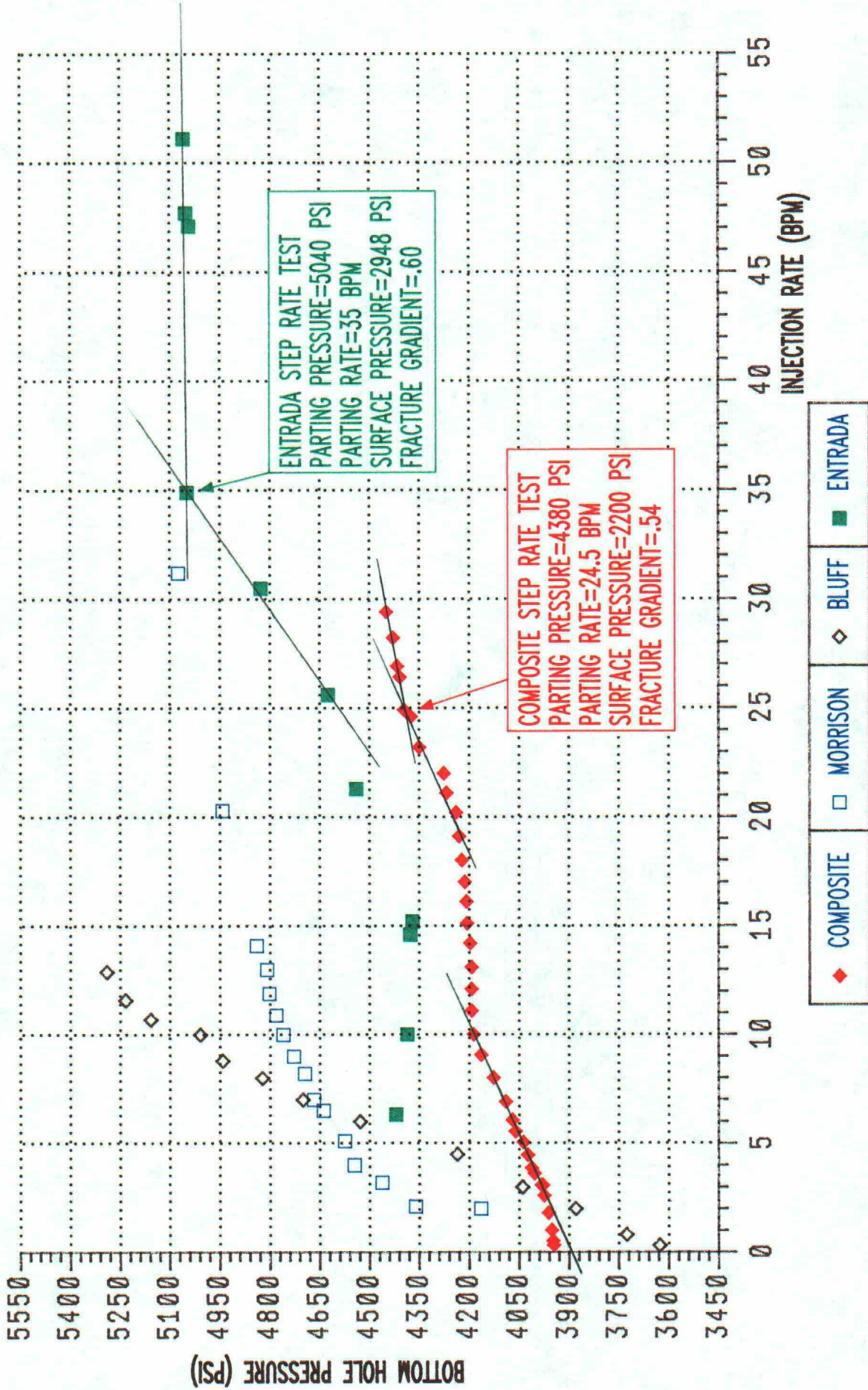
LKS:tt
attachments

Attachment #1

Step Rate Test Pressure Plots

**Pump Canyon SWD #1
Composite Zone Step Rate Test
August 24, 1989**

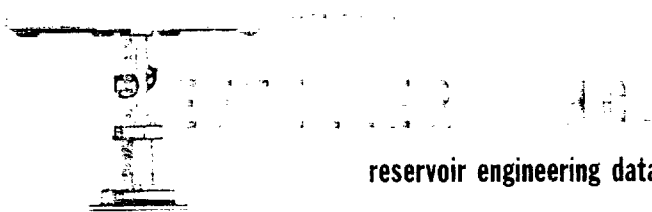
PUMP CANYON SWD #1 STEP RATE TEST



Attachment #2

Bottom Hole Pressure Data

**Pump Canyon SWD #1
Composite Zone Step Rate Test
August 24, 1989**



MIDLAND, TEXAS / FARMINGTON, NEW MEXICO
GRAND JUNCTION, COLORADO

reservoir engineering data

P. O. Box 5247
Midland, Texas 79704
(915) 682-5574

Midland Fax (915) 682-5329
Farmington Fax (505) 325-1148

September 11, 1989

Meridian Oil Inc.
Box 4289
Farmington, NM 87499

Attention: Mr. Cash Smithwick

Subject: Step Rate and Fall Off Tests
Pump Canyon SWD No. 1
San Juan County, New Mexico
Our File No. 2-21009-SRT&FO

Dear Mr. Smithwick:

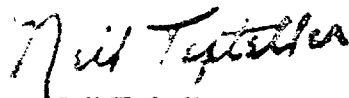
Attached hereto are the results of step rate and fall off tests which were conducted on the above captioned well August 24, 1989.

The data presented are in tabular and graphical form.

It has been our pleasure to have conducted this service for you. If we may be of further assistance, please call us at any time.

Respectfully submitted,

TEFTELLER, INC.


Neil Tefteller

NT/lw

TEFTELLER, INC.

RESERVOIR ENGINEERING DATA AND PRODUCTIVITY ENHANCEMENT SERVICES
MIDLAND, TEXAS • FARMINGTON, NEW MEXICO • GRAND JUNCTION, COLORADO

CHRONOLOGICAL PRESSURE AND PRODUCTION DATA

1989 DATE	STATUS OF WELL	TIME	ELAPSED TIME		WELLHEAD PRESSURE		BHP @ 8050' PSIG
			HRS	MIN	TBG	CSG	
8-24	Arrived on location, well shut-in	06:30					
	Instrument @ 8050'	07:45			441	Pkr	3946
		08:00	0	15			3946
		08:15	0	30			3946
		08:30	0	45			3946
		08:45	1	00			3946
		08:55	1	10			
	Rate #1, .3 bwpm	08:55	0	00			
		08:57	0	02			3946
		08:59	0	04			3946
		09:01	0	06			3946
		09:03	0	08			3946
		09:05	0	10			3946
	Rate #2, .5 bwpm	09:05	0	00			
		09:07	0	02			3948
		09:09	0	04			3948
		09:11	0	06			3948
		09:13	0	08			3948
		09:15	0	10			3948
	Rate #3, 1.0 bwpm	09:16	0	00			
		09:18	0	02			3950
		09:20	0	04			3950
		09:22	0	06			3952
		09:24	0	08			3952
		09:26	9	10	462		3952
	Rate #4, 1.8 bwpm	09:26	0	00			
		09:28	0	02			3958
		09:30	0	04			3958
		09:32	0	06			3958
		09:34	0	08			3960
		09:36	0	10	470		3962

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CHRONOLOGICAL PRESSURE AND PRODUCTION DATA

1989 DATE	STATUS OF WELL	TIME	ELAPSED TIME		WELLHEAD PRESSURE		BHP @ 8050' PSIG
			HRS	MIN	TBG	CSG	
8-24	Rate #5, 2.6 bwpm	09:36	0	00			
		09:38	0	02			3962
		09:40	0	04			3967
		09:42	0	06			3970
		09:44	0	08			3970
		09:46	0	10	480		3975
	Rate #6, 3.08 bwpm	09:46	0	00			
		09:48	0	02			3975
		09:50	0	04			3975
		09:52	0	06			3977
		09:54	0	08			3979
		09:55	0	09	490		3979
	Rate #7, 3.08 bwpm	09:55	0	00			
		09:57	0	02			3979
		09:59	0	04			3983
		10:01	0	06			3983
		10:03	0	08			3983
		10:04	0	09	500		3983
	Rate #8, 3.62 bwpm	10:04	0	00			
		10:06	0	02			3987
		10:08	0	04			3987
		10:10	0	06			3989
		10:12	0	08			3989
		10:14	0	10			3989
		10:16	0	12			3991
		10:18	0	14			3996
		10:20	0	16			4000
		10:22	0	18			4000
		10:24	0	20			4000
		10:26	0	22			4002
		10:27	0	23	520		4004

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CHRONOLOGICAL PRESSURE AND PRODUCTION DATA

1989 DATE	STATUS OF WELL	TIME	ELAPSED TIME		WELLHEAD PRESSURE		BHP @ 8050' PSIG
			HRS	MIN	TBG	CSG	
8-24	Rate #9, 3.86 bwpm	10:27	0	00			
		10:29	0	02			4008
		10:31	0	04			4010
		10:33	0	06			4012
		10:35	0	08			4012
		10:36	0	09	552		4012
	Rate #10, 4.46 bwpm	10:36	0	00			
		10:38	0	02			4014
		10:40	0	04			4016
		10:42	0	06			4018
		10:44	0	08			4020
		10:46	0	10	580		4024
	Rate #11, 5.04 bwpm	10:46	0	00			
		10:48	0	02			4028
		10:50	0	04			4030
		10:52	0	06			4032
		10:54	0	08			4037
		10:55	0	09	620		4037
	Rate #12, 5.54 bwpm	10:55	0	00			
		10:57	0	02			4041
		10:59	0	04			4047
		11:01	0	06			4049
		11:03	0	08			4053
		11:05	0	10			4057
	Rate #13, 6.06 bwpm	11:06	0	11	650		4061
		11:06	0	00			
		11:08	0	02			4061
		11:10	0	04			4063
		11:12	0	06			4065
		11:14	0	08			4065
		11:16	0	10			4067
		11:17	0	11	710		4070

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CHRONOLOGICAL PRESSURE AND PRODUCTION DATA

1989 DATE	STATUS OF WELL	TIME	ELAPSED TIME		WELLHEAD PRESSURE		BHP @ 8050' PSIG
			HRS	MIN	TBG	CSG	
8-24	Rate #14, 6.9 bwpm	11:17	0	00			
		11:19	0	02			4078
		11:21	0	04			4082
		11:23	0	06			4086
		11:25	0	08	770		4090
	Rate #15, 8.0 bwpm	11:25	0	00			
		11:27	0	02			4098
		11:29	0	04			4107
		11:31	0	06			4115
		11:33	0	08			4121
	Rate #16, 9.06 bwpm	11:35	0	10	850		4127
		11:35	0	00			
		11:37	0	02			4136
		11:39	0	04			4148
		11:41	0	06			4154
	Rate #17, 10.0 bwpm	11:43	0	08			4160
		11:45	0	10	900		4164
		11:45	0	00			
		11:47	0	02			4177
		11:49	0	04			4181
	Rate #18, 11.1 bwpm	11:51	0	06			4185
		11:53	0	08			4187
		11:55	0	10	980		4187
		11:55	0	00			
		11:57	0	02			4189
	Rate #19, 12.1 bwpm	11:59	0	04			4191
		12:01	0	06			4191
		12:03	0	08			4191
		12:05	0	10	1050		4193
		12:05	0	00			
		12:07	0	02			4193
		12:09	0	04			4193

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CHRONOLOGICAL PRESSURE AND PRODUCTION DATA

1989 DATE	STATUS OF WELL	TIME	ELAPSED TIME		WELLHEAD PRESSURE		BHP @ 8050' PSIG
			HRS	MIN	TBG	CSG	
8-24		12:11	0	06			4193
		12:13	0	08			4193
		12:14	0	09	1120		4193
	Rate #20, 13.1 bwpm	12:14	0	00			
		12:16	0	02			4193
		12:18	0	04			4193
		12:20	0	06			4193
		12:22	0	08			4193
		12:24	0	10	1200		4193
	Rate #21, 14.2 bwpm	12:24	0	00			
		12:26	0	02			4193
		12:28	0	04			4197
		12:30	0	06			4197
		12:32	0	08			4197
		12:34	0	10	1262		4197
	Rate #22, 15.1 bwpm	12:35	0	00			
		12:37	0	02			4202
		12:39	0	04			4202
		12:41	0	06			4202
		12:43	0	08			4204
		12:45	0	10	1330		4206
	Rate #23, 16.1 bwpm	12:45	0	00			
		12:47	0	02			4206
		12:49	0	04			4206
		12:51	0	06			4206
		12:53	0	08			4006
		12:54	0	09	1400		4208
	Rate #24, 17.0 bwpm	12:54	0	00			
		12:56	0	02			4210
		12:58	0	04			4212
		13:00	0	06			4212

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CHRONOLOGICAL PRESSURE AND PRODUCTION DATA

1989 DATE	STATUS OF WELL	TIME	ELAPSED TIME		WELLHEAD PRESSURE		BHP @ 8050' PSIG
			HRS	MIN	TBG	CSG	
8-24		13:02	0	08			4212
		13:04	0	10	1490		4213
	Rate #25, 18.0 bwpm	13:04	0	00			
		13:06	0	02			4216
		13:08	0	04			4218
		13:10	0	06			4222
		13:12	0	08			4222
		13:14	0	10	1560		4222
	Rate #26, 19.1 bwpm	13:14	0	00			
		13:16	0	02			4226
		13:18	0	04			4228
		13:20	0	06			4228
		13:22	0	08			4228
		13:24	0	10	1680		4230
	Rate #27, 20.2 bwpm	13:24	0	00			
		13:26	0	02			4232
		13:28	0	04			4232
		13:30	0	06			4234
		13:32	0	08			4237
		13:34	0	10	1770		4239
	Rate #28, 21.1 bwpm	13:34	0	00			
		13:36	0	02			4247
		13:38	0	04			4255
		13:40	0	06			4259
		13:42	0	08			4259
		13:44	0	10	1920		4268
	Rate #29, 22.0 bwpm	13:44	0	00			
		13:46	0	02			4268
		13:48	0	04			4268
		13:50	0	06			4268
		13:52	0	08			4272
		13:54	0	10	2060		4276

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CHRONOLOGICAL PRESSURE AND PRODUCTION DATA

1989 DATE	STATUS OF WELL	TIME	ELAPSED TIME		WELLHEAD PRESSURE		BHP @ 8050' PSIG
			HRS	MIN	TBG	CSG	
8-24	Rate #30, 23.2 bwpm	13:54	0	00			
		13:56	0	02			4317
		13:58	0	04			4329
		14:00	0	06			4338
		14:02	0	08			4342
		14:04	0	10	2140		4350
	Rate #31, 24.6 bwpm	14:04	0	00			
		14:06	0	02			4362
		14:08	0	04			4371
		14:10	0	06			4373
		14:12	0	08			4375
		14:14	0	10	2250		4375
	Rate #32, 24.9 bwpm	14:14	0	00			
		14:16	0	02			4379
		14:18	0	04			4387
		14:20	0	06			4387
		14:22	0	08			4391
		14:24	0	10	2396		4395
	Rate #33, 26.4 bwpm	14:24	0	00			
		14:26	0	02			4399
		14:28	0	04			4404
		14:30	0	06			4408
		14:32	0	08			4408
		14:34	0	10	2500		4408
	Rate #34, 26.9 bwpm	14:34	0	00			
		14:36	0	02			4412
		14:38	0	04	2652		4416
	Rate #35, 28.2 bwpm	14:38	0	00			
		14:40	0	02			4420
		14:42	0	04			4424
		14:43	0	05	2780		4428

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CHRONOLOGICAL PRESSURE AND PRODUCTION DATA

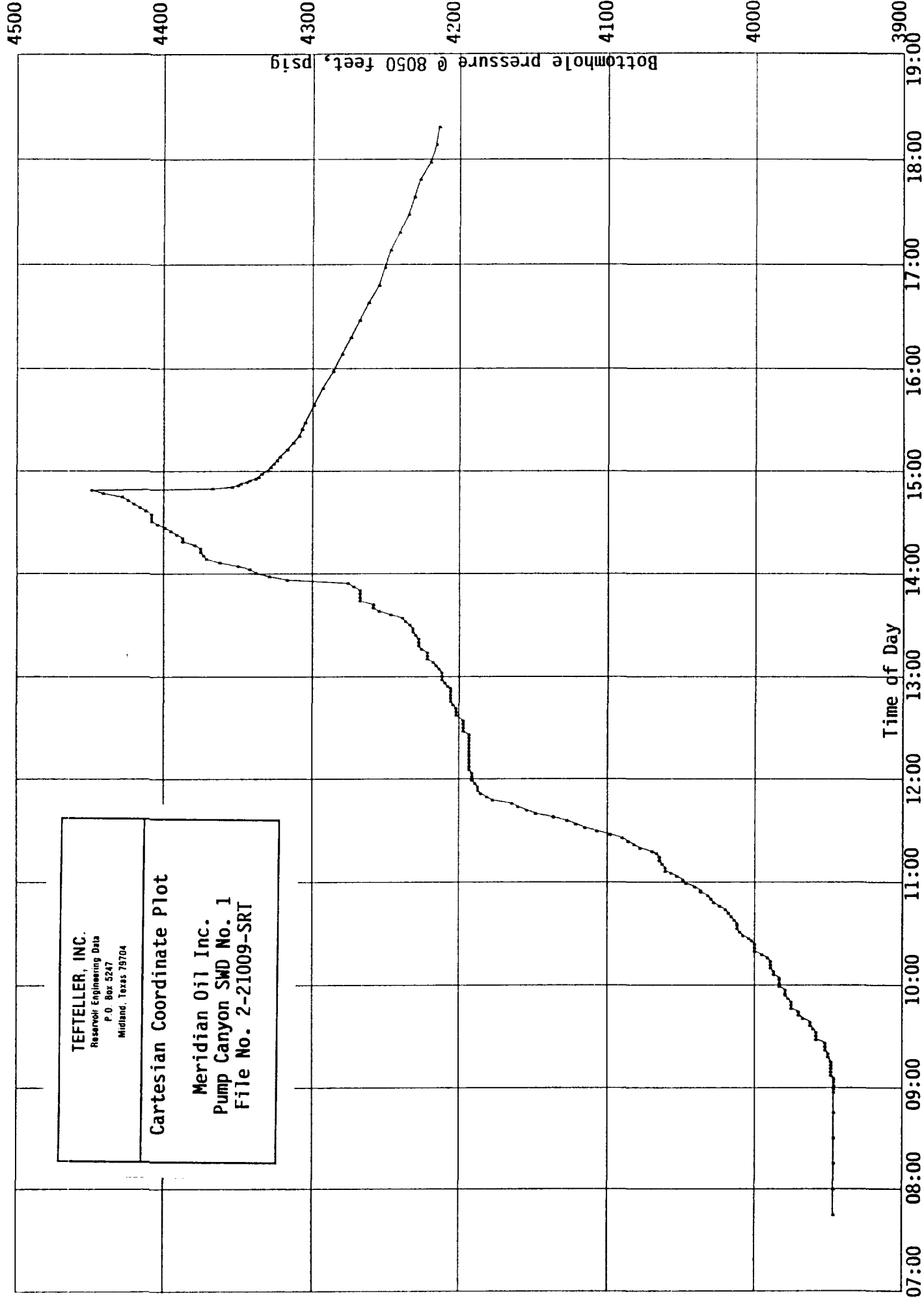
1989 DATE	STATUS OF WELL	TIME	ELAPSED TIME		WELLHEAD PRESSURE		BHP @ 8050' PSIG
			HRS	MIN	TBG	CSG	
8-24	Rate #36, 29.4 bwpm	14:43	0	00			
		14:45	0	02			4441
		14:47	0	04	2860		4449
	Shut down injection						
		14:47	0	00			
		14:48	0	01			4367
		14:49	0	02			4354
		14:50	0	03			4350
		14:51	0	04			4348
		14:52	0	05			4344
		14:53	0	06			4342
		14:54	0	07			4338
		14:55	0	08			4336
		14:57	0	10			4334
		14:59	0	12			4330
		15:01	0	14			4328
		15:03	0	16			4326
		15:05	0	18			4324
		15:07	0	20			4322
		15:11	0	24			4317
		15:15	0	28			4313
		15:19	0	32			4309
		15:23	0	36			4307
		15:27	0	40			4305
		15:37	0	50			4299
		15:47	1	00			4293
		15:57	1	10			4286
		16:07	1	20			4280
		16:17	1	30			4274
		16:27	1	40			4268
		16:37	1	50			4262
		16:47	2	00			4255

TEFTELLER, INC.

RESERVOIR ENGINEERING DATA AND PRODUCTIVITY ENHANCEMENT SERVICES
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CHRONOLOGICAL PRESSURE AND PRODUCTION DATA

1989 DATE	STATUS OF WELL	TIME	ELAPSED TIME		WELLHEAD PRESSURE		BHP @ 8050' PSIG
			HRS	MIN	TBG	CSG	
8-24		16:57	2	10			4251
		17:07	2	20			4247
		17:17	2	30			4241
		17:27	2	40			4235
		17:37	2	50			4231
		17:47	3	00			4227
		17:57	3	10			4220
		18:07	3	20			4216
	12 hour clock expired	18:17	3	30			4214



TEFTELLER, INC.
Reservoir Engineering Data
P.O. Box 5247
Midland, Texas 79704

Cartesian Coordinate Plot

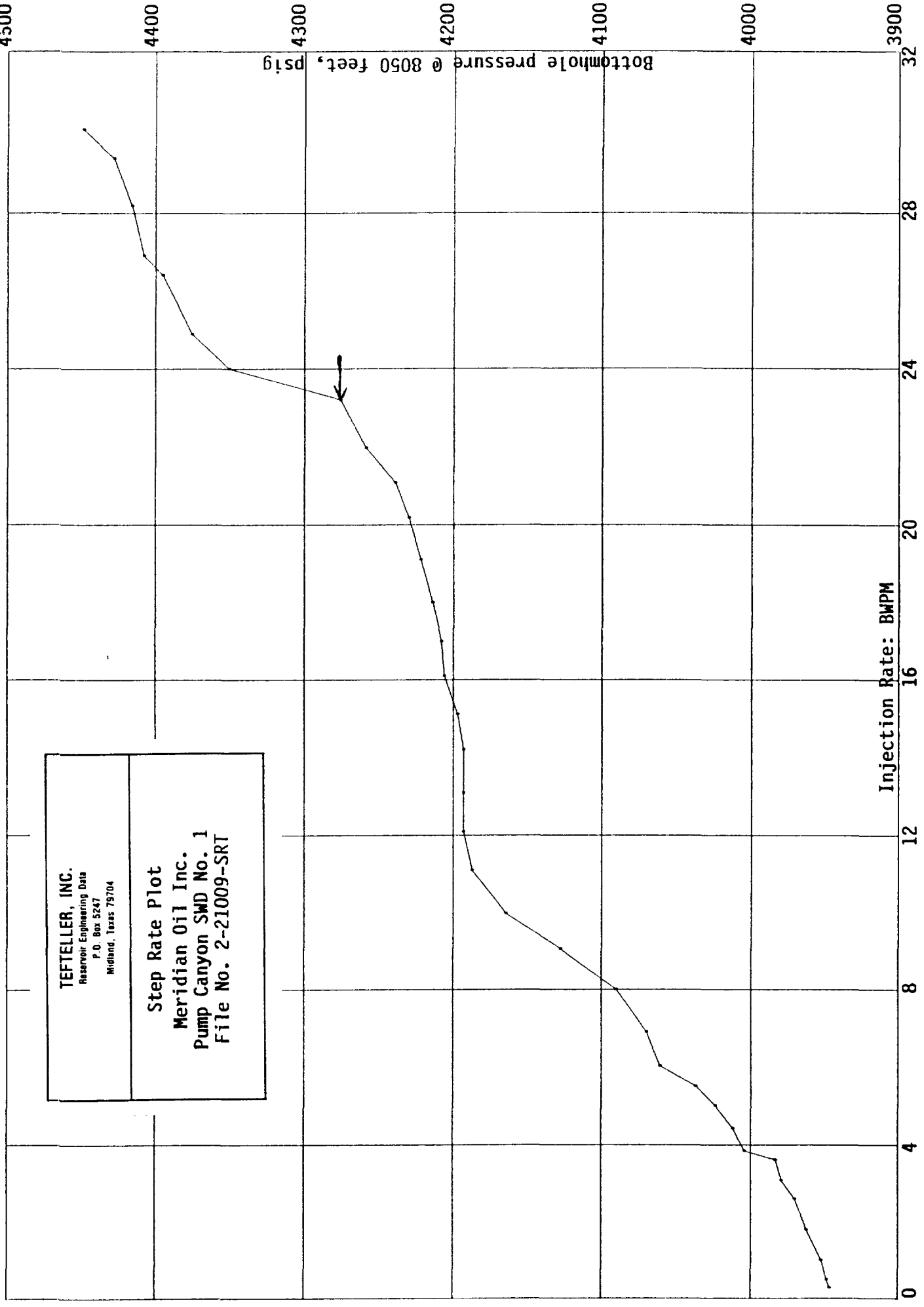
Meridian Oil Inc.
Pump Canyon SMD No. 1
File No. 2-21009-SRT

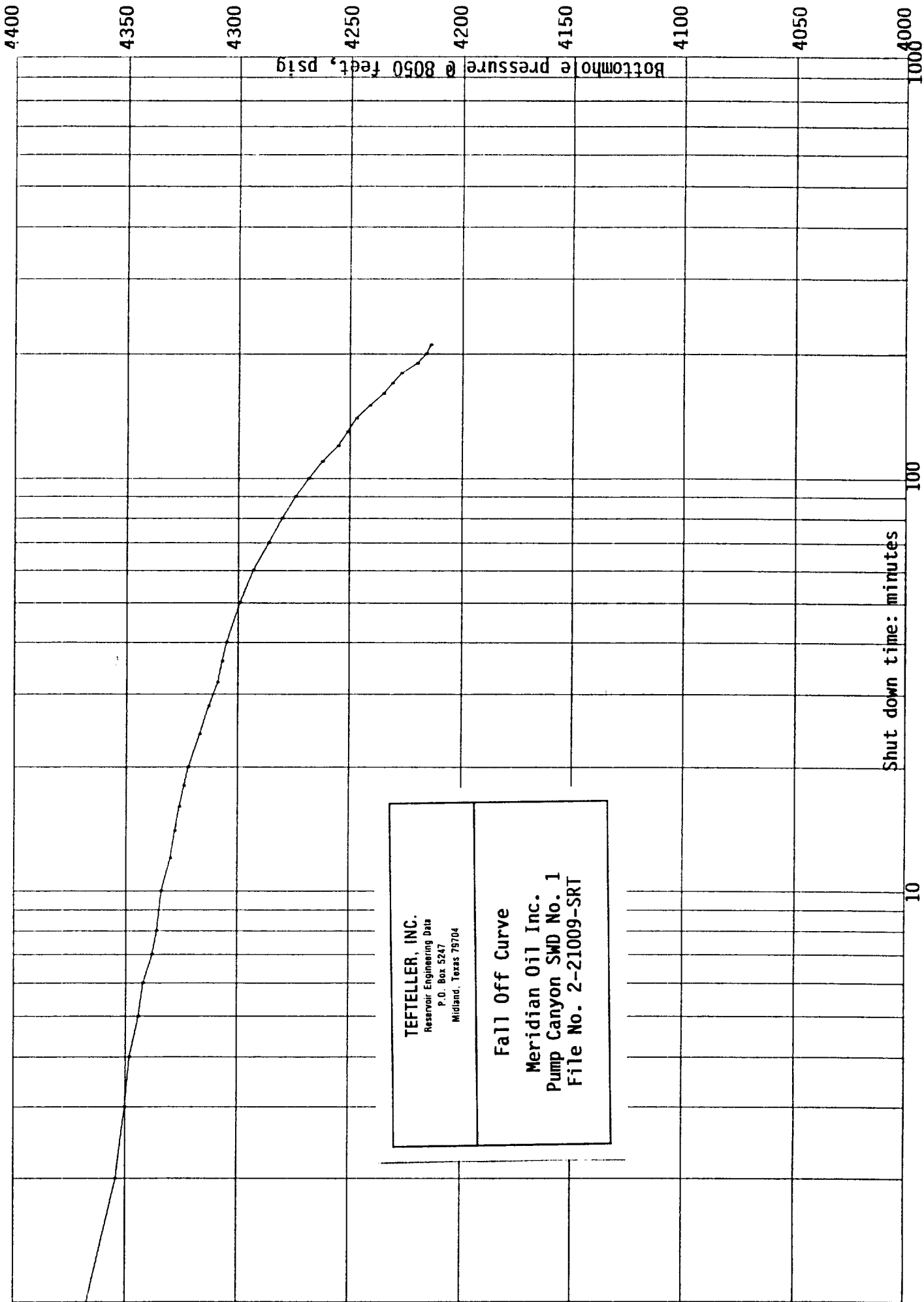
TEETELLER, INC.
Reservoir Engineering Data
P.O. Box 5247
Midland, Texas 79704

Step Rate Plot
Meridian Oil Inc.
Pump Canyon SWD No. 1
File No. 2-21009-SRT

Bottomhole pressure @ 8050 feet, psig

Injection Rate: BWPM





TEETELLER, INC.
Reservoir Engineering Data
P.O. Box 5247
Midland, Texas 79704

Fall Off Curve
Meridian Oil Inc.
Pump Canyon SWD No. 1
File No. 2-21009-SRT

Attachment #3

Surface Injection Rate Data

**Pump Canyon SWD #1
Composite Zone Step Rate Test
August 24, 1989**

CUSTOMER NAME	MERIDIAN OIL CO. ?	
WELL NAME	PUMP CANYON SWD #1 (STEP RATE TEST)	
DISTRICT	FARMINGTON	
TREATMENT DATE		082489 MMDDYY
FIELD RECEIPT AND STAGE NUMBER (FFFFFFF)		9490014
WESTERN REPRESENTATIVE	RON "BOB"/JUAN "BOB"/B. AULT	
CUSTOMER REPRESENTATIVE	CASH SMITHWICK	
PLOT HOW OFTEN?		10 SEC
PRINT HOW OFTEN?		10 SEC
STORE HOW OFTEN?		10 SEC
LOGLOG STARTING TIME		1 MIN
LOGLOG ENDING TIME		100 MIN
LOGLOG STARTING PRESSURE		100 PSI
LOGLOG ENDING PRESSURE		10000 PSI
LOGLOG MONITOR		L L,R
LOGLOG CURVES ON PLOTTER ?		Y Y,N

PICK A RECORD	IDUMP GRAPHICS	1	IADD	I ON SQRTIME
ON WITH JOB	I*OFF SQRTIME	1	IREPLACE	IDELETE
		ENTER		

STEP Rate all zones

PROPPANT & FLUID DESCRIPTION	STEP RATE	FRSH H2O	ENTRDA	BLUFF	MORRISON?	S,B,W
NUMBER OF PERFORATIONS						572
PERFORATION DIAMETER						.50 inches
SPECIFIC GRAVITY OF FLUID						1.00
CREATING DEPTH						8100 ft
FRICTION PRESSURE GRADIENT						70 psi/Kft
RATE						15 BPM
LENGTH OF TUBING						7560 ft
CAPACITY OF TUBING						141 bbl
CLOSURE STRESS						3630 psi
CASING INSIDE DIAMETER						4.052 inches
TUBING OUTSIDE DIAMETER						4.052 inches
FRICTION PRESSURE SLOPE						1.2 psi
TUBING INSIDE DIAMETER						4.052 inches
HH FLUID IN TUBING FOR TOOL						0 psi
PLOTTER PRESSURE P2/P3/P6/P7						3 2/3/6/7
HH FLUID IN TUBING FOR P2						0 psi

PICK A RECORD	IDUMP GRAPHICS	1	2	IADD	I ON SQRTIME
ON WITH JOB	I*OFF SQRTIME	1	ENTER	IREPLACE	IDDELETE

Composite Test.

Friction pressure not corrected on print out.

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
08:54:35	00:00:10	452.0	3960.4	0.0	0.0	2317.0
08:54:57	00:00:32	450.0	3957.0	.1	0.0	2317.0
08:55:07	00:00:42	452.0	3955.8	.3	0.0	2317.0
08:55:17	00:00:52	450.0	3953.8	.3	0.0	2317.0
08:55:27	00:01:02	450.0	3953.4	.3	0.0	2317.0
08:55:37	00:01:12	450.0	3953.8	.3	0.0	2317.0
08:55:47	00:01:22	450.0	3953.4	.3	0.0	2317.0
08:55:57	00:01:32	450.0	3953.4	.3	0.0	2317.0
08:56:07	00:01:42	450.0	3953.8	.3	0.0	2317.0
08:56:17	00:01:52	450.0	3953.4	.3	0.0	2317.0
08:56:27	00:02:02	450.0	3953.4	.3	0.0	2317.0
08:56:37	00:02:12	450.0	3953.4	.3	0.0	2317.4
08:56:47	00:02:22	450.0	3953.4	.3	0.0	2318.0
08:56:57	00:02:32	450.0	3953.4	.3	0.0	2318.0
08:57:07	00:02:42	450.0	3953.8	.3	0.0	2318.0
08:57:17	00:02:52	450.0	3953.0	.3	0.0	2318.0
08:57:27	00:03:02	450.0	3953.0	.3	0.0	2318.0
08:57:37	00:03:12	450.0	3953.8	.3	0.0	2318.0
08:57:47	00:03:22	450.0	3953.4	.3	0.0	2318.0
08:57:57	00:03:32	450.0	3953.8	.3	0.0	2318.0
08:58:07	00:03:42	450.0	3953.4	.3	0.0	2318.0
08:58:17	00:03:52	450.0	3953.8	.3	0.0	2318.0
08:58:27	00:04:02	450.0	3953.4	.3	0.0	2318.0
08:58:37	00:04:12	450.0	3953.4	.3	0.0	2318.0
08:58:47	00:04:22	450.0	3953.8	.3	0.0	2318.0
08:58:57	00:04:32	450.0	3953.8	.3	0.0	2318.0
08:59:07	00:04:42	450.0	3953.4	.3	0.0	2318.0
08:59:17	00:04:52	450.0	3953.4	.3	0.0	2318.0
08:59:27	00:05:02	450.0	3953.8	.3	0.0	2318.0
08:59:37	00:05:12	450.0	3953.8	.3	0.0	2318.0
08:59:47	00:05:22	450.0	3953.4	.3	0.0	2318.4
08:59:57	00:05:32	450.0	3953.8	.3	0.0	2319.0
09:00:07	00:05:42	450.0	3952.6	.4	0.0	2319.0
09:00:17	00:05:52	450.0	3953.4	.3	0.0	2319.0
09:00:27	00:06:02	450.0	3953.4	.3	0.0	2319.0
09:00:37	00:06:12	450.0	3953.8	.3	0.0	2319.0
09:00:47	00:06:22	450.0	3953.8	.3	0.0	2319.0
09:00:57	00:06:32	450.0	3953.4	.3	0.0	2319.0
09:01:07	00:06:42	450.0	3953.8	.3	0.0	2319.0
09:01:17	00:06:52	450.0	3953.8	.3	0.0	2319.0
09:01:27	00:07:02	450.0	3953.8	.3	0.0	2319.0

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
09:01:37	00:07:12	450.0	3953.8	.3	0.0	2319.0
09:01:47	00:07:22	450.0	3953.8	.3	0.0	2319.0
09:01:57	00:07:32	450.0	3953.4	.3	0.0	2319.0
09:02:07	00:07:42	450.0	3953.4	.3	0.0	2319.0
09:02:17	00:07:52	450.0	3953.8	.3	0.0	2319.0
09:02:27	00:08:02	450.0	3953.4	.3	0.0	2319.0
09:02:37	00:08:12	450.0	3953.8	.3	0.0	2319.0
09:02:47	00:08:22	448.0	3951.0	.3	0.0	2319.0
09:02:57	00:08:32	450.0	3953.0	.3	0.0	2319.4
09:03:07	00:08:42	450.0	3953.4	.3	0.0	2320.0
09:03:17	00:08:52	448.0	3951.8	.3	0.0	2320.0
09:03:27	00:09:02	448.0	3951.4	.3	0.0	2320.0
09:03:37	00:09:12	450.0	3953.0	.3	0.0	2320.0
09:03:47	00:09:22	450.0	3953.8	.3	0.0	2320.0
09:03:57	00:09:32	448.0	3951.8	.3	0.0	2320.0
09:04:07	00:09:42	448.0	3951.4	.3	0.0	2320.0
09:04:17	00:09:52	450.0	3953.8	.3	0.0	2320.0
09:04:27	00:10:02	450.0	3953.0	.3	0.0	2320.0
09:04:37	00:10:12	450.0	3953.0	.3	0.0	2320.0
09:04:47	00:10:22	446.0	3949.8	.3	0.0	2320.0
09:04:57	00:10:32	448.0	3951.8	.3	0.0	2320.0

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME JOBTIME SURFACE CALCULA TOTAL R INSTANT SLURRY

09:05:07	00:10:42	450.0	3953.8	.3	0.0	2320.0
09:05:17	00:10:52	446.0	3949.4	.3	0.0	2320.0
09:05:27	00:11:02	450.0	3953.8	.3	0.0	2320.0
09:05:37	00:11:12	448.0	3951.4	.3	0.0	2320.0
09:05:47	00:11:22	450.0	3953.8	.3	0.0	2320.0
09:05:57	00:11:32	448.0	3951.4	.3	0.0	2320.0

09:06:07	00:11:42	450.0	3951.3	.4	0.0	2320.4
09:06:17	00:11:52	450.0	3949.2	.5	0.0	2321.0
09:06:27	00:12:02	448.0	3947.7	.5	0.0	2321.0
09:06:37	00:12:12	450.0	3949.7	.5	0.0	2321.0
09:06:47	00:12:22	450.0	3949.2	.5	0.0	2321.0
09:06:57	00:12:32	450.0	3949.2	.5	0.0	2321.0

09:07:07	00:12:42	450.0	3947.9	.6	0.0	2321.0
09:07:17	00:12:52	450.0	3949.7	.5	0.0	2321.0
09:07:27	00:13:02	450.0	3949.7	.5	0.0	2321.0
09:07:37	00:13:12	450.0	3949.2	.5	0.0	2321.0
09:07:47	00:13:22	450.0	3949.2	.5	0.0	2321.0
09:07:57	00:13:32	450.0	3949.2	.5	0.0	2321.0

09:08:07	00:13:42	450.0	3949.7	.5	0.0	2321.8
09:08:17	00:13:52	450.0	3949.7	.5	0.0	2322.0
09:08:27	00:14:02	450.0	3949.7	.5	0.0	2322.0
09:08:37	00:14:12	450.0	3949.2	.5	0.0	2322.0
09:08:47	00:14:22	450.0	3949.2	.5	0.0	2322.0
09:08:57	00:14:32	450.0	3949.7	.5	0.0	2322.0

09:09:07	00:14:42	450.0	3948.8	.5	0.0	2322.0
09:09:17	00:14:52	450.0	3949.7	.5	0.0	2322.0
09:09:27	00:15:02	450.0	3949.2	.5	0.0	2322.0
09:09:37	00:15:12	450.0	3949.7	.5	0.0	2322.0
09:09:47	00:15:22	450.0	3949.2	.5	0.0	2322.0
09:09:57	00:15:32	450.0	3949.2	.5	0.0	2322.0

09:10:07	00:15:42	450.0	3949.7	.5	0.0	2323.0
09:10:17	00:15:52	450.0	3949.2	.5	0.0	2323.0
09:10:27	00:16:02	450.0	3949.2	.5	0.0	2323.0
09:10:37	00:16:12	450.0	3949.7	.5	0.0	2323.0
09:10:47	00:16:22	448.0	3947.2	.5	0.0	2323.0
09:10:57	00:16:32	448.0	3947.2	.5	0.0	2323.0

09:11:07	00:16:42	450.0	3949.2	.5	0.0	2323.0
09:11:17	00:16:52	450.0	3949.2	.5	0.0	2323.0
09:11:27	00:17:02	450.0	3949.2	.5	0.0	2323.0
09:11:37	00:17:12	450.0	3949.2	.5	0.0	2323.0
09:11:47	00:17:22	450.0	3949.7	.5	0.0	2323.0
09:11:57	00:17:32	448.0	3947.7	.5	0.0	2323.4

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
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09:12:07	00:17:42	450.0	3948.8	.5	0.0	2324.0
09:12:17	00:17:52	450.0	3949.7	.5	0.0	2324.0
09:12:27	00:18:02	450.0	3948.8	.5	0.0	2324.0
09:12:37	00:18:12	450.0	3949.7	.5	0.0	2324.0
09:12:47	00:18:22	450.0	3949.7	.5	0.0	2324.0
09:12:57	00:18:32	450.0	3948.4	.6	0.0	2324.0

09:13:07	00:18:42	450.0	3949.2	.5	0.0	2324.0
09:13:17	00:18:52	448.0	3947.2	.5	0.0	2324.0
09:13:27	00:19:02	450.0	3948.8	.5	0.0	2324.0
09:13:37	00:19:12	450.0	3949.7	.5	0.0	2324.0
09:13:47	00:19:22	448.0	3947.2	.5	0.0	2324.0
09:13:57	00:19:32	450.0	3948.8	.5	0.0	2324.8

09:14:07	00:19:42	450.0	3949.7	.5	0.0	2325.0
09:14:17	00:19:52	448.0	3947.7	.5	0.0	2325.0
09:14:27	00:20:02	450.0	3949.2	.5	0.0	2325.0
09:14:37	00:20:12	450.0	3949.7	.5	0.0	2325.0
09:14:47	00:20:22	450.0	3949.2	.5	0.0	2325.0
09:14:57	00:20:32	450.0	3949.2	.5	0.0	2325.0

09:15:07	00:20:42	448.0	3947.2	.5	0.0	2325.0
09:15:17	00:20:52	448.0	3947.7	.5	0.0	2325.0
09:15:27	00:21:02	450.0	3949.2	.5	0.0	2325.0
09:15:37	00:21:12	450.0	3949.2	.5	0.0	2325.0
09:15:47	00:21:22	448.0	3947.7	.5	0.0	2325.2

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
09:15:57	00:21:32	448.0	3947.2	.5	0.0	2326.0
09:16:07	00:21:42	450.0	3949.7	.5	0.0	2326.0
09:16:17	00:21:52	450.0	3947.5	.6	0.0	2326.0
09:16:27	00:22:02	452.0	3943.9	.8	0.0	2326.0
09:16:37	00:22:12	450.0	3939.5	.9	0.0	2326.0
09:16:47	00:22:22	454.0	3943.0	1.0	0.0	2326.0
09:16:57	00:22:32	466.0	3953.1	1.0	0.0	2326.0
09:17:07	00:22:42	462.0	3949.6	1.0	0.0	2326.6
09:17:17	00:22:52	464.0	3952.1	1.0	0.0	2327.0
09:17:27	00:23:02	466.0	3953.6	1.0	0.0	2327.0
09:17:37	00:23:12	464.0	3951.6	1.0	0.0	2327.0
09:17:47	00:23:22	460.0	3947.6	1.0	0.0	2327.0
09:17:57	00:23:32	464.0	3951.6	1.0	0.0	2327.0
09:18:07	00:23:42	464.0	3951.1	1.0	0.0	2327.6
09:18:17	00:23:52	462.0	3950.1	1.0	0.0	2328.0
09:18:27	00:24:02	462.0	3948.6	1.1	0.0	2328.0
09:18:37	00:24:12	466.0	3954.1	1.0	0.0	2328.0
09:18:47	00:24:22	468.0	3956.1	1.0	0.0	2328.0
09:18:57	00:24:32	462.0	3950.1	1.0	0.0	2328.0
09:19:07	00:24:42	464.0	3952.1	1.0	0.0	2328.8
09:19:17	00:24:52	460.0	3947.6	1.0	0.0	2329.0
09:19:27	00:25:02	460.0	3948.1	1.0	0.0	2329.0
09:19:37	00:25:12	464.0	3951.1	1.0	0.0	2329.0
09:19:47	00:25:22	460.0	3948.1	1.0	0.0	2329.0
09:19:57	00:25:32	464.0	3952.1	1.0	0.0	2329.0
09:20:07	00:25:42	462.0	3949.1	1.0	0.0	2330.0
09:20:17	00:25:52	462.0	3949.6	1.0	0.0	2330.0
09:20:27	00:26:02	460.0	3947.6	1.0	0.0	2330.0
09:20:37	00:26:12	460.0	3948.1	1.0	0.0	2330.0
09:20:47	00:26:22	462.0	3950.1	1.0	0.0	2330.0
09:20:57	00:26:32	462.0	3948.6	1.1	0.0	2330.0
09:21:07	00:26:42	466.0	3953.1	1.0	0.0	2331.0
09:21:17	00:26:52	462.0	3950.1	1.0	0.0	2331.0
09:21:27	00:27:02	462.0	3950.1	1.0	0.0	2331.0
09:21:37	00:27:12	466.0	3953.6	1.0	0.0	2331.0
09:21:47	00:27:22	462.0	3950.1	1.0	0.0	2331.0
09:21:57	00:27:32	462.0	3950.1	1.0	0.0	2331.0
09:22:07	00:27:42	466.0	3953.6	1.0	0.0	2332.0
09:22:17	00:27:52	464.0	3951.1	1.0	0.0	2332.0
09:22:27	00:28:02	460.0	3947.6	1.0	0.0	2332.0
09:22:37	00:28:12	466.0	3953.6	1.0	0.0	2332.0
09:22:47	00:28:22	462.0	3950.1	1.0	0.0	2332.0

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
09:22:57	00:28:32	462.0	3949.6	1.0	0.0	2332.2
09:23:07	00:28:42	460.0	3947.1	1.0	0.0	2333.0
09:23:17	00:28:52	464.0	3952.1	1.0	0.0	2333.0
09:23:27	00:29:02	466.0	3954.1	1.0	0.0	2333.0
09:23:37	00:29:12	462.0	3950.1	1.0	0.0	2333.0
09:23:47	00:29:22	464.0	3952.1	1.0	0.0	2333.0
09:23:57	00:29:32	462.0	3949.1	1.0	0.0	2333.2
09:24:07	00:29:42	464.0	3951.1	1.0	0.0	2334.0
09:24:17	00:29:52	464.0	3952.1	1.0	0.0	2334.0
09:24:27	00:30:02	464.0	3951.6	1.0	0.0	2334.0
09:24:37	00:30:12	460.0	3947.1	1.0	0.0	2334.0
09:24:47	00:30:22	462.0	3950.1	1.0	0.0	2334.0
09:24:57	00:30:32	462.0	3950.1	1.0	0.0	2334.4
09:25:07	00:30:42	464.0	3951.6	1.0	0.0	2335.0
09:25:17	00:30:52	460.0	3947.1	1.0	0.0	2335.0
09:25:27	00:31:02	460.0	3947.6	1.0	0.0	2335.0

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
09:25:37	00:31:12	462.0	3949.6	1.0	0.0	2335.0
09:25:47	00:31:22	462.0	3950.1	1.0	0.0	2335.0
09:25:57	00:31:32	464.0	3951.1	1.0	0.0	2335.6
09:26:07	00:31:42	462.0	3947.1	1.1	0.0	2336.0
09:26:17	00:31:52	450.0	3950.9	.4	0.0	2336.0
09:26:27	00:32:02	464.0	3967.8	.3	0.0	2336.0
09:26:37	00:32:12	464.0	3964.9	.4	0.0	2336.0
09:26:47	00:32:22	462.0	3952.0	.9	0.0	2336.0
09:26:57	00:32:32	470.0	3952.5	1.2	0.0	2336.0
09:27:07	00:32:42	476.0	3944.7	1.7	0.0	2336.4
09:27:17	00:32:52	468.0	3933.9	1.8	0.0	2337.0
09:27:27	00:33:02	470.0	3936.5	1.8	0.0	2337.0
09:27:37	00:33:12	470.0	3936.5	1.8	0.0	2337.2
09:27:47	00:33:22	470.0	3936.5	1.8	0.0	2338.0
09:27:57	00:33:32	470.0	3937.0	1.8	0.0	2338.0
09:28:07	00:33:42	470.0	3936.5	1.8	0.0	2338.0
09:28:17	00:33:52	470.0	3936.5	1.8	0.0	2339.0
09:28:28	00:34:03	470.0	3936.5	1.8	0.0	2339.0
09:28:38	00:34:13	470.0	3936.5	1.8	0.0	2339.0
09:28:48	00:34:23	470.0	3936.5	1.8	0.0	2339.6
09:29:28	00:35:02	470.0	3936.5	1.8	0.0	2341.0
09:29:38	00:35:12	470.0	3936.5	1.8	0.0	2341.0
09:29:48	00:35:22	470.0	3935.9	1.8	0.0	2341.0
09:29:58	00:35:32	470.0	3937.0	1.8	0.0	2342.0
09:30:08	00:35:42	470.0	3937.0	1.8	0.0	2342.0
09:30:18	00:35:52	470.0	3937.0	1.8	0.0	2342.0
09:30:28	00:36:02	470.0	3936.5	1.8	0.0	2342.8
09:30:38	00:36:12	470.0	3936.5	1.8	0.0	2343.0
09:30:48	00:36:22	470.0	3937.0	1.8	0.0	2343.0
09:30:58	00:36:32	470.0	3937.0	1.8	0.0	2343.4
09:31:08	00:36:42	470.0	3935.3	1.9	0.0	2344.0
09:31:18	00:36:52	470.0	3936.5	1.8	0.0	2344.0
09:31:28	00:37:02	470.0	3937.0	1.8	0.0	2344.2
09:31:38	00:37:12	470.0	3936.5	1.8	0.0	2345.0
09:31:48	00:37:22	470.0	3936.5	1.8	0.0	2345.0
09:31:58	00:37:32	470.0	3935.9	1.8	0.0	2345.0
09:32:08	00:37:42	470.0	3937.0	1.8	0.0	2345.8
09:32:18	00:37:52	470.0	3935.9	1.8	0.0	2346.0
09:32:28	00:38:02	470.0	3937.0	1.8	0.0	2346.0
09:32:38	00:38:12	470.0	3936.5	1.8	0.0	2346.6
09:32:48	00:38:22	470.0	3937.0	1.8	0.0	2347.0
09:32:58	00:38:32	470.0	3937.0	1.8	0.0	2347.0

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MERIDIAN OIL CO.

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PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
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09:33:08	00:38:42	470.0	3937.0	1.8	0.0	2347.2
09:33:18	00:38:52	470.0	3936.5	1.8	0.0	2348.0
09:33:28	00:39:02	470.0	3937.0	1.8	0.0	2348.0
09:33:38	00:39:12	470.0	3936.5	1.8	0.0	2348.0
09:33:48	00:39:22	470.0	3936.5	1.8	0.0	2349.0
09:33:58	00:39:32	470.0	3937.0	1.8	0.0	2349.0

09:34:08	00:39:42	470.0	3937.0	1.8	0.0	2349.0
09:34:18	00:39:52	470.0	3936.5	1.8	0.0	2349.6
09:34:28	00:40:02	470.0	3936.5	1.8	0.0	2350.0
09:34:38	00:40:12	470.0	3935.9	1.8	0.0	2350.0
09:34:48	00:40:22	470.0	3936.5	1.8	0.0	2350.4
09:34:58	00:40:32	470.0	3934.8	1.9	0.0	2351.0

09:35:08	00:40:42	470.0	3937.0	1.8	0.0	2351.0
09:35:18	00:40:52	470.0	3937.0	1.8	0.0	2351.0
09:35:30	00:41:05	470.0	3936.5	1.8	0.0	2352.0

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PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
09:35:40	00:41:14	470.0	3937.0	1.8	0.0	2352.0
09:35:50	00:41:24	470.0	3937.0	1.8	0.0	2352.0
09:36:00	00:41:34	482.0	3940.0	2.1	0.0	2353.0
09:36:10	00:41:44	482.0	3928.3	2.5	0.0	2353.0
09:36:20	00:41:54	480.0	3926.3	2.5	0.0	2353.4
09:36:30	00:42:04	480.0	3926.3	2.5	0.0	2354.0
09:36:40	00:42:14	480.0	3925.7	2.5	0.0	2354.0
09:36:50	00:42:24	480.0	3924.0	2.6	0.0	2355.0
09:37:00	00:42:34	480.0	3923.4	2.6	0.0	2355.0
09:37:10	00:42:44	480.0	3924.0	2.6	0.0	2355.3
09:37:20	00:42:54	480.0	3924.0	2.6	0.0	2356.0
09:37:30	00:43:04	480.0	3923.4	2.6	0.0	2356.4
09:37:40	00:43:14	480.0	3926.3	2.5	0.0	2357.0
09:37:50	00:43:24	480.0	3925.1	2.6	0.0	2357.0
09:38:00	00:43:34	480.0	3922.8	2.6	0.0	2358.0
09:38:10	00:43:44	480.0	3922.8	2.6	0.0	2358.0
09:38:20	00:43:54	480.0	3923.4	2.6	0.0	2358.8
09:38:30	00:44:04	480.0	3924.0	2.6	0.0	2359.0
09:38:40	00:44:14	482.0	3925.4	2.6	0.0	2359.6
09:38:50	00:44:24	480.0	3924.0	2.6	0.0	2360.0
09:39:00	00:44:34	482.0	3926.0	2.6	0.0	2360.2
09:39:12	00:44:47	480.0	3920.4	2.7	0.0	2361.0
09:39:22	00:44:57	480.0	3924.0	2.6	0.0	2361.2
09:39:32	00:45:07	480.0	3923.4	2.6	0.0	2362.0
09:39:42	00:45:17	480.0	3924.0	2.6	0.0	2362.0
09:40:20	00:45:55	482.0	3990.6	2.6	0.0	2364.0
09:40:30	00:46:05	482.0	3990.6	2.6	0.0	2364.0
09:40:40	00:46:15	480.0	3988.6	2.6	0.0	2365.0
09:40:50	00:46:25	482.0	3990.6	2.6	0.0	2365.0
09:41:00	00:46:35	480.0	3988.6	2.6	0.0	2365.8
09:41:10	00:46:45	480.0	3988.6	2.6	0.0	2366.0
09:41:20	00:46:55	480.0	3988.6	2.6	0.0	2366.6
09:41:30	00:47:05	480.0	3988.6	2.6	0.0	2367.0
09:41:40	00:47:15	480.0	3988.6	2.6	0.0	2367.2
09:41:50	00:47:25	482.0	3990.6	2.6	0.0	2368.0
09:42:00	00:47:35	480.0	3988.6	2.6	0.0	2368.0
09:42:10	00:47:45	480.0	3988.6	2.6	0.0	2369.0
09:42:20	00:47:55	482.0	3990.6	2.6	0.0	2369.0
09:42:30	00:48:05	480.0	3988.6	2.6	0.0	2369.6
09:42:40	00:48:15	480.0	3988.6	2.6	0.0	2370.0
09:42:50	00:48:25	482.0	3990.6	2.6	0.0	2370.4
09:43:00	00:48:35	480.0	3988.6	2.6	0.0	2371.0

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PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
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09:43:10	00:48:45	480.0	3988.6	2.6	0.0	2371.0
09:43:20	00:48:55	480.0	3988.6	2.6	0.0	2372.0
09:43:30	00:49:05	480.0	3988.6	2.6	0.0	2372.0
09:43:40	00:49:15	480.0	3988.6	2.6	0.0	2372.8
09:43:50	00:49:25	480.0	3988.6	2.6	0.0	2373.0
09:44:00	00:49:35	480.0	3988.6	2.6	0.0	2373.6

09:44:10	00:49:45	482.0	3990.6	2.6	0.0	2374.0
09:44:20	00:49:55	480.0	3988.6	2.6	0.0	2374.2
09:44:30	00:50:05	484.0	3992.6	2.6	0.0	2375.0
09:44:40	00:50:15	480.0	3988.6	2.6	0.0	2375.0
09:44:50	00:50:25	482.0	3990.6	2.6	0.0	2376.0
09:45:00	00:50:35	480.0	3988.6	2.6	0.0	2376.0

09:45:10	00:50:45	480.0	3988.6	2.7	0.0	2376.6
09:45:20	00:50:55	480.0	3988.6	2.6	0.0	2377.0

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
09:45:32	00:51:07	480.0	3988.6	2.6	0.0	2377.6
09:45:42	00:51:17	480.0	3988.6	2.6	0.0	2378.0
09:45:52	00:51:27	488.0	3996.6	2.7	0.0	2378.2
09:46:02	00:51:37	492.0	4000.6	3.1	0.0	2379.0
09:46:13	00:51:48	490.0	3998.6	3.1	0.0	2379.4
09:46:23	00:51:58	490.0	3998.6	3.1	0.0	2380.0
09:46:33	00:52:08	490.0	3998.6	3.1	0.0	2380.6
09:46:43	00:52:18	490.0	3998.6	3.1	0.0	2381.0
09:47:19	00:52:54	490.0	3992.7	3.2	0.0	2383.0
09:47:29	00:53:04	490.0	3992.6	3.2	0.0	2383.4
09:47:39	00:53:14	490.0	3993.0	3.1	0.0	2384.0
09:47:49	00:53:24	490.0	3993.0	3.0	0.0	2384.4
09:47:59	00:53:34	490.0	3993.1	3.0	0.0	2385.0
09:48:09	00:53:44	490.0	3992.8	3.1	0.0	2385.4
09:48:19	00:53:54	490.0	3992.9	3.1	0.0	2386.0
09:48:29	00:54:04	490.0	3992.8	3.1	0.0	2386.6
09:48:39	00:54:14	490.0	3992.5	3.3	0.0	2387.0
09:48:49	00:54:24	490.0	3992.9	3.1	0.0	2387.6
09:48:59	00:54:34	490.0	3992.8	3.1	0.0	2388.0
09:49:09	00:54:44	490.0	3992.8	3.1	0.0	2388.8
09:49:19	00:54:54	490.0	3992.7	3.2	0.0	2389.0
09:49:29	00:55:04	490.0	3992.9	3.1	0.0	2390.0
09:49:39	00:55:14	490.0	3993.0	3.0	0.0	2390.0
09:49:49	00:55:24	490.0	3992.8	3.1	0.0	2391.0
09:49:59	00:55:34	490.0	3993.0	3.1	0.0	2391.0
09:50:09	00:55:44	490.0	3993.1	3.0	0.0	2392.0
09:50:19	00:55:54	490.0	3993.1	3.0	0.0	2392.0
09:50:29	00:56:04	490.0	3993.1	3.0	0.0	2393.0
09:50:39	00:56:14	490.0	3993.0	3.0	0.0	2393.0
09:50:49	00:56:24	490.0	3993.0	3.0	0.0	2394.0
09:50:59	00:56:34	490.0	3993.1	3.0	0.0	2394.0
09:51:09	00:56:44	490.0	3992.8	3.1	0.0	2395.0
09:51:19	00:56:54	490.0	3992.9	3.1	0.0	2395.0
09:51:29	00:57:04	490.0	3992.9	3.1	0.0	2396.0
09:51:39	00:57:14	490.0	3992.8	3.1	0.0	2396.2
09:51:49	00:57:24	490.0	3993.0	3.0	0.0	2397.0
09:51:59	00:57:34	490.0	3993.1	3.0	0.0	2397.2
09:52:09	00:57:44	486.0	3989.0	3.1	0.0	2398.0
09:52:19	00:57:54	490.0	3993.0	3.1	0.0	2398.2
09:52:29	00:58:04	490.0	3992.9	3.1	0.0	2399.0
09:52:39	00:58:14	490.0	3992.9	3.1	0.0	2399.2
09:52:49	00:58:24	490.0	3993.1	3.0	0.0	2400.0

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PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
09:52:59	00:58:34	490.0	3993.0	3.1	0.0	2400.4
09:53:09	00:58:44	490.0	3992.9	3.1	0.0	2401.0
09:53:19	00:58:54	490.0	3993.1	3.0	0.0	2401.4
09:53:29	00:59:04	490.0	3992.9	3.1	0.0	2402.0
09:53:39	00:59:14	490.0	3993.0	3.0	0.0	2402.4
09:53:49	00:59:24	488.0	3990.8	3.1	0.0	2403.0
09:53:59	00:59:34	490.0	3993.0	3.1	0.0	2403.4
09:54:09	00:59:44	490.0	3993.1	3.0	0.0	2404.0
09:54:19	00:59:54	462.0	3964.8	3.2	0.0	2404.4
09:54:29	01:00:04	484.0	3986.9	3.1	0.0	2405.0
09:54:39	01:00:14	484.0	3987.0	3.0	0.0	2405.6
09:54:49	01:00:24	490.0	3993.0	3.1	0.0	2406.0
09:54:59	01:00:34	490.0	3992.8	3.1	0.0	2406.6
09:55:09	01:00:44	490.0	3992.9	3.1	0.0	2407.0

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
09:55:19	01:00:54	490.0	3992.8	3.1	0.0	2407.6
09:55:29	01:01:04	490.0	3992.8	3.1	0.0	2408.0
09:55:39	01:01:14	492.0	3994.8	3.2	0.0	2408.8
09:55:49	01:01:24	492.0	3994.4	3.3	0.0	2409.0
09:55:59	01:01:34	496.0	3998.5	3.3	0.0	2410.0
09:56:09	01:01:44	498.0	4000.0	3.5	0.0	2410.2
09:56:22	01:01:56	498.0	4000.0	3.5	0.0	2411.0
09:56:32	01:02:06	496.0	3997.7	3.6	0.0	2411.8
09:57:11	01:02:46	500.0	4000.9	3.7	0.0	2414.0
09:57:21	01:02:56	496.0	3997.0	3.6	0.0	2414.8
09:57:31	01:03:06	500.0	4001.0	3.6	0.0	2415.2
09:57:41	01:03:16	500.0	4000.9	3.7	0.0	2416.0
09:57:51	01:03:26	498.0	3999.0	3.6	0.0	2416.4
09:58:01	01:03:36	500.0	4001.0	3.6	0.0	2417.0
09:58:11	01:03:46	500.0	4001.0	3.6	0.0	2418.0
09:58:21	01:03:56	500.0	4000.8	3.7	0.0	2418.2
09:58:31	01:04:06	500.0	4000.9	3.7	0.0	2419.0
09:58:41	01:04:16	500.0	4000.7	3.7	0.0	2419.6
09:58:51	01:04:26	500.0	4000.8	3.7	0.0	2420.0
09:59:01	01:04:36	500.0	4000.8	3.7	0.0	2421.0
09:59:11	01:04:46	498.0	3998.8	3.7	0.0	2421.4
09:59:21	01:04:56	500.0	4000.8	3.7	0.0	2422.0
09:59:31	01:05:06	500.0	4000.6	3.8	0.0	2422.8
09:59:41	01:05:16	500.0	4000.3	3.9	0.0	2423.2
09:59:51	01:05:26	498.0	3998.4	3.9	0.0	2424.0
10:00:01	01:05:36	500.0	4000.6	3.8	0.0	2424.6
10:00:11	01:05:46	498.0	3998.9	3.7	0.0	2425.0
10:00:21	01:05:56	498.0	3999.0	3.6	0.0	2426.0
10:00:31	01:06:06	500.0	4000.8	3.7	0.0	2426.4
10:00:41	01:06:16	500.0	4001.2	3.6	0.0	2427.0
10:00:51	01:06:26	500.0	4001.3	3.5	0.0	2427.6
10:01:01	01:06:36	500.0	4001.0	3.6	0.0	2428.0
10:01:11	01:06:46	498.0	3998.8	3.7	0.0	2429.0
10:01:21	01:06:56	382.0	3883.1	3.6	0.0	2429.4
10:01:31	01:07:06	352.0	3853.1	3.6	0.0	2430.0
10:01:41	01:07:16	402.0	3903.1	3.6	0.0	2430.8
10:01:51	01:07:26	484.0	3985.0	3.6	0.0	2431.0
10:02:01	01:07:36	474.0	3975.0	3.6	0.0	2432.0
10:02:11	01:07:46	492.0	3992.6	3.8	0.0	2432.4
10:02:21	01:07:56	488.0	3988.9	3.7	0.0	2433.0
10:02:31	01:08:06	492.0	3993.0	3.6	0.0	2433.8
10:02:41	01:08:16	494.0	3994.8	3.7	0.0	2434.2

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
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10:02:51	01:08:26	498.0	3998.9	3.7	0.0	2435.0
10:03:01	01:08:36	494.0	3995.0	3.6	0.0	2435.6
10:03:11	01:08:46	492.0	3993.0	3.6	0.0	2436.0
10:03:21	01:08:56	498.0	3998.7	3.7	0.0	2437.0
10:03:31	01:09:06	496.0	3996.8	3.7	0.0	2437.4
10:03:41	01:09:16	498.0	3999.0	3.6	0.0	2438.0

10:03:51	01:09:26	500.0	4000.8	3.7	0.0	2438.6
10:04:01	01:09:36	500.0	4000.8	3.7	0.0	2439.0
10:04:12	01:09:46	500.0	4001.0	3.6	0.0	2440.0

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
10:04:21	01:09:56	500.0	4000.9	3.7	0.0	2440.4
10:04:31	01:10:06	500.0	4000.8	3.7	0.0	2441.0
10:04:41	01:10:16	500.0	4001.0	3.6	0.0	2441.8
10:04:51	01:10:26	500.0	4001.0	3.6	0.0	2442.2
10:05:01	01:10:36	482.0	3983.3	3.5	0.0	2443.0
10:05:13	01:10:48	456.0	3963.8	.5	0.0	2443.0
10:05:23	01:10:58	464.0	3971.7	.6	0.0	2443.0
10:05:33	01:11:08	462.0	3969.8	.6	0.0	2443.0
10:05:43	01:11:18	462.0	3969.8	.5	0.0	2444.0
10:06:35	01:12:09	496.0	3997.3	2.9	0.0	2445.0
10:06:45	01:12:19	488.0	3989.4	2.8	0.0	2445.2
10:06:55	01:12:29	500.0	4000.9	3.0	0.0	2446.0
10:07:05	01:12:39	500.0	4000.1	3.3	0.0	2446.2
10:07:15	01:12:49	506.0	4005.3	3.5	0.0	2447.0
10:07:25	01:12:59	510.0	4008.5	3.8	0.0	2447.6
10:07:35	01:13:09	508.0	4006.6	3.7	0.0	2448.0
10:07:45	01:13:19	510.0	4008.3	3.8	0.0	2449.0
10:07:55	01:13:30	516.0	4013.9	3.9	0.0	2449.4
10:08:05	01:13:40	512.0	4009.7	4.0	0.0	2450.0
10:08:15	01:13:50	512.0	4010.0	3.9	0.0	2451.0
10:08:56	01:14:30	516.0	4014.1	3.9	0.0	2453.4
10:09:06	01:14:40	518.0	4016.1	3.9	0.0	2454.0
10:09:16	01:14:50	520.0	4017.9	3.9	0.0	2455.0
10:09:26	01:15:00	520.0	4017.9	3.9	0.0	2455.4
10:09:36	01:15:10	504.0	4002.1	3.9	0.0	2456.0
10:09:46	01:15:20	512.0	4009.8	4.0	0.0	2456.8
10:09:56	01:15:30	520.0	4018.0	3.9	0.0	2457.2
10:10:06	01:15:40	520.0	4017.8	4.0	0.0	2458.0
10:10:16	01:15:50	520.0	4017.8	4.0	0.0	2458.8
10:10:26	01:16:00	520.0	4017.9	4.0	0.0	2459.2
10:10:36	01:16:10	520.0	4017.9	4.0	0.0	2460.0
10:10:46	01:16:20	520.0	4017.8	4.0	0.0	2460.8
10:10:56	01:16:30	520.0	4017.7	4.0	0.0	2461.2
10:11:06	01:16:40	520.0	4017.8	4.0	0.0	2462.0
10:11:16	01:16:50	526.0	4023.8	4.0	0.0	2462.8
10:11:26	01:17:00	498.0	3995.7	4.0	0.0	2463.2
10:11:36	01:17:10	494.0	3994.8	3.0	0.0	2464.0
10:11:46	01:17:20	510.0	4009.8	3.4	0.0	2464.4
10:11:56	01:17:30	516.0	4015.0	3.6	0.0	2465.0
10:12:06	01:17:40	520.0	4018.1	3.9	0.0	2465.8
10:12:16	01:17:50	520.0	4017.8	4.0	0.0	2466.2
10:12:26	01:18:00	520.0	4017.8	4.0	0.0	2467.0

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PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME JOBTIME SURFACE CALCULA TOTAL R INSTANT SLURRY

10:12:36	01:18:10	514.0	4012.1	3.9	0.0	2467.8
10:12:46	01:18:20	520.0	4018.1	3.9	0.0	2468.2
10:12:56	01:18:30	518.0	4016.3	3.8	0.0	2469.0
10:13:06	01:18:40	520.0	4018.0	3.9	0.0	2469.6
10:13:16	01:18:50	520.0	4018.1	3.9	0.0	2470.2
10:13:26	01:19:00	520.0	4018.1	3.9	0.0	2471.0

10:13:36	01:19:10	508.0	4006.5	3.8	0.0	2471.6
10:13:46	01:19:20	522.0	4020.9	3.6	0.0	2472.0
10:13:56	01:19:30	522.0	4019.9	3.9	0.0	2473.0
10:14:06	01:19:40	520.0	4018.0	3.9	0.0	2473.4
10:14:16	01:19:50	524.0	4017.8	5.2	0.0	2474.0
10:14:26	01:20:00	476.0	3964.5	6.7	0.0	2475.4

10:14:36	01:20:10	518.0	4021.8	2.0	0.0	2476.0
10:14:46	01:20:20	556.0	4052.8	4.3	0.0	2476.4
10:14:56	01:20:30	552.0	4044.0	5.7	0.0	2477.2
10:15:06	01:20:40	504.0	4000.6	4.4	0.0	2478.0
10:15:16	01:20:50	500.0	4000.3	3.2	0.0	2479.0
10:15:26	01:21:00	502.0	4002.9	3.0	0.0	2479.0

10:15:36	01:21:10	518.0	4018.0	3.3	0.0	2480.0
10:15:46	01:21:20	512.0	4010.9	3.6	0.0	2480.2
10:15:56	01:21:30	520.0	4018.4	3.8	0.0	2481.0
10:16:06	01:21:40	520.0	4018.1	3.9	0.0	2481.6
10:16:16	01:21:50	520.0	4017.9	3.9	0.0	2482.2
10:16:26	01:22:00	520.0	4018.0	3.9	0.0	2483.0

10:16:36	01:22:10	520.0	4018.1	3.9	0.0	2483.6
10:16:46	01:22:20	520.0	4018.0	3.9	0.0	2484.0
10:16:56	01:22:30	520.0	4018.1	3.9	0.0	2485.0
10:17:06	01:22:40	520.0	4018.1	3.9	0.0	2485.6
10:17:16	01:22:50	520.0	4018.1	3.9	0.0	2486.0
10:17:26	01:23:00	520.0	4018.1	3.9	0.0	2487.0

10:17:36	01:23:10	520.0	4018.1	3.9	0.0	2487.4
10:17:46	01:23:20	520.0	4018.2	3.9	0.0	2488.0
10:17:56	01:23:30	520.0	4018.1	3.9	0.0	2489.0
10:18:06	01:23:40	520.0	4017.9	3.9	0.0	2489.4
10:18:16	01:23:50	520.0	4018.1	3.9	0.0	2490.0
10:18:26	01:24:00	520.0	4018.0	3.9	0.0	2491.0

10:18:36	01:24:10	520.0	4018.1	3.9	0.0	2491.4
10:18:46	01:24:20	520.0	4018.1	3.9	0.0	2492.0
10:18:56	01:24:30	520.0	4018.1	3.9	0.0	2492.8
10:19:06	01:24:40	520.0	4018.1	3.9	0.0	2493.2
10:19:16	01:24:50	520.0	4018.1	3.9	0.0	2494.0
10:19:26	01:25:00	520.0	4018.1	3.9	0.0	2494.8

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PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME JOBTIME SURFACE CALCULA TOTAL R INSTANT SLURRY

10:19:36	01:25:10	520.0	4018.1	3.9	0.0	2495.2
10:19:46	01:25:20	520.0	4018.1	3.9	0.0	2496.0
10:19:56	01:25:30	520.0	4018.1	3.9	0.0	2496.6
10:20:06	01:25:40	520.0	4018.1	3.9	0.0	2497.0
10:20:16	01:25:50	520.0	4018.0	3.9	0.0	2498.0
10:20:26	01:26:00	520.0	4018.1	3.9	0.0	2498.6

10:20:36	01:26:10	520.0	4018.2	3.9	0.0	2499.0
10:20:46	01:26:20	520.0	4018.1	3.9	0.0	2500.0
10:20:56	01:26:30	520.0	4018.1	3.9	0.0	2500.4
10:21:06	01:26:40	520.0	4018.1	3.9	0.0	2501.0
10:21:16	01:26:50	520.0	4018.2	3.9	0.0	2502.0
10:21:26	01:27:00	520.0	4018.1	3.9	0.0	2502.4

10:21:36	01:27:10	522.0	4020.2	3.9	0.0	2503.0
10:21:46	01:27:20	520.0	4018.1	3.9	0.0	2504.0
10:21:56	01:27:30	522.0	4020.3	3.8	0.0	2504.4
10:22:06	01:27:40	522.0	4020.1	3.9	0.0	2505.0
10:22:16	01:27:50	174.0	3672.2	3.9	0.0	2505.8
10:22:26	01:28:00	108.0	3606.0	3.9	0.0	2506.2

10:22:36	01:28:10	42.0	3540.2	3.9	0.0	2507.0
10:22:46	01:28:20	192.0	3690.1	3.9	0.0	2507.6
10:22:56	01:28:30	284.0	3782.1	3.9	0.0	2508.2
10:23:06	01:28:40	292.0	3789.9	3.9	0.0	2509.0
10:23:16	01:28:50	354.0	3852.0	3.9	0.0	2509.6
10:23:26	01:29:00	396.0	3894.1	3.9	0.0	2510.0

10:23:36	01:29:10	422.0	3920.1	3.9	0.0	2511.0
10:23:46	01:29:20	486.0	3984.2	3.9	0.0	2511.6
10:23:56	01:29:30	506.0	4004.0	3.9	0.0	2512.0
10:24:06	01:29:40	506.0	4004.1	3.9	0.0	2513.0
10:24:16	01:29:50	510.0	4008.1	3.9	0.0	2513.4
10:24:26	01:30:00	510.0	4008.3	3.8	0.0	2514.0

10:24:36	01:30:10	436.0	3934.1	3.9	0.0	2515.0
10:24:46	01:30:20	490.0	3988.1	3.9	0.0	2515.4
10:24:56	01:30:30	508.0	4006.0	3.9	0.0	2516.0
10:25:06	01:30:40	504.0	4002.1	3.9	0.0	2516.8
10:25:16	01:30:50	412.0	3910.1	3.9	0.0	2517.2
10:25:26	01:31:00	482.0	3980.1	3.9	0.0	2518.0

10:25:36	01:31:10	492.0	3990.2	3.9	0.0	2518.8
10:25:46	01:31:20	502.0	4000.1	3.9	0.0	2519.2
10:25:56	01:31:30	508.0	4006.1	3.9	0.0	2520.0
10:26:06	01:31:40	384.0	3882.1	3.9	0.0	2520.6
10:26:16	01:31:50	168.0	3666.2	3.9	0.0	2521.0
10:26:26	01:32:00	552.0	4050.1	3.9	0.0	2522.0

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
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10:26:36	01:32:10	530.0	4028.1	3.9	0.0	2522.6
10:26:46	01:32:20	530.0	4028.2	3.9	0.0	2523.0
10:26:56	01:32:30	530.0	4028.3	3.8	0.0	2524.0
10:27:06	01:32:40	530.0	4028.1	3.9	0.0	2524.4
10:27:16	01:32:50	530.0	4028.1	3.9	0.0	2525.0
10:27:26	01:33:00	530.0	4028.2	3.9	0.0	2526.0

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
10:27:36	01:33:10	530.0	4028.2	3.9	0.0	2526.4
10:27:46	01:33:20	530.0	4028.2	3.9	0.0	2527.0
10:27:57	01:33:32	540.0	4037.9	3.9	0.0	2527.8
10:28:07	01:33:42	542.0	4038.2	4.5	0.0	2528.4
10:28:17	01:33:52	546.0	4042.2	4.5	0.0	2529.2
10:29:09	01:34:43	548.0	4046.9	3.1	0.0	2532.4
10:29:19	01:34:53	548.0	4040.5	4.7	0.0	2533.2
10:29:29	01:35:03	550.0	4042.8	4.7	0.0	2534.0
10:29:39	01:35:13	544.0	4036.5	4.7	0.0	2534.8
10:29:49	01:35:23	548.0	4040.5	4.7	0.0	2535.6
10:29:59	01:35:33	550.0	4042.6	4.7	0.0	2536.2
10:30:09	01:35:43	550.0	4042.4	4.8	0.0	2537.0
10:30:19	01:35:53	550.0	4042.3	4.8	0.0	2538.0
10:30:29	01:36:03	550.0	4042.5	4.7	0.0	2538.8
10:30:39	01:36:13	550.0	4042.5	4.7	0.0	2539.4
10:30:49	01:36:23	550.0	4042.5	4.7	0.0	2540.2
10:30:59	01:36:33	550.0	4042.5	4.7	0.0	2541.0
10:31:09	01:36:43	550.0	4042.2	4.8	0.0	2542.0
10:31:19	01:36:53	550.0	4042.2	4.8	0.0	2542.6
10:31:29	01:37:03	550.0	4042.7	4.7	0.0	2543.4
10:31:39	01:37:13	550.0	4042.4	4.8	0.0	2544.2
10:31:49	01:37:23	550.0	4042.6	4.7	0.0	2545.0
10:31:59	01:37:33	550.0	4042.4	4.8	0.0	2546.0
10:32:09	01:37:43	550.0	4042.7	4.7	0.0	2546.6
10:32:19	01:37:53	550.0	4042.6	4.7	0.0	2547.4
10:32:29	01:38:03	550.0	4042.8	4.7	0.0	2548.0
10:32:39	01:38:13	550.0	4043.3	4.5	0.0	2549.0
10:32:49	01:38:23	550.0	4043.2	4.6	0.0	2549.6
10:32:59	01:38:33	550.0	4043.3	4.5	0.0	2550.4
10:33:09	01:38:43	550.0	4043.7	4.4	0.0	2551.0
10:33:19	01:38:53	550.0	4043.4	4.5	0.0	2552.0
10:33:29	01:39:03	550.0	4043.3	4.5	0.0	2552.8
10:33:39	01:39:13	550.0	4043.3	4.5	0.0	2553.4
10:33:49	01:39:23	550.0	4043.2	4.6	0.0	2554.0
10:33:59	01:39:33	552.0	4045.2	4.6	0.0	2555.0
10:34:09	01:39:43	550.0	4043.2	4.6	0.0	2555.8
10:34:19	01:39:53	550.0	4043.1	4.6	0.0	2556.4
10:34:29	01:40:03	554.0	4047.4	4.5	0.0	2557.2
10:34:39	01:40:13	552.0	4045.5	4.5	0.0	2558.0
10:34:49	01:40:23	552.0	4045.4	4.5	0.0	2558.8
10:34:59	01:40:33	550.0	4043.3	4.5	0.0	2559.4
10:35:09	01:40:43	552.0	4045.4	4.5	0.0	2560.2

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
10:35:19	01:40:53	552.0	4045.3	4.5	0.0	2561.0
10:35:29	01:41:03	552.0	4045.6	4.5	0.0	2561.8
10:35:39	01:41:13	554.0	4047.7	4.4	0.0	2562.4
10:35:49	01:41:24	552.0	4045.6	4.5	0.0	2563.2

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
10:35:59	01:41:33	554.0	4047.4	4.5	0.0	2564.0
10:36:09	01:41:43	554.0	4047.1	4.6	0.0	2564.8
10:36:21	01:41:55	562.0	4055.1	4.6	0.0	2565.6
10:36:31	01:42:05	570.0	4061.7	4.9	0.0	2566.4
10:36:41	01:42:16	570.0	4061.6	4.9	0.0	2567.2
10:37:31	01:43:05	570.0	4059.1	5.0	0.0	2571.4
10:37:41	01:43:15	570.0	4059.1	5.0	0.0	2572.2
10:37:52	01:43:26	570.0	4059.0	5.0	0.0	2573.0
10:38:02	01:43:36	570.0	4059.2	4.9	0.0	2574.0
10:38:12	01:43:46	570.0	4059.3	4.9	0.0	2574.8
10:38:22	01:43:56	570.0	4059.1	5.0	0.0	2575.6
10:38:32	01:44:06	570.0	4059.1	5.0	0.0	2576.4
10:38:42	01:44:16	570.0	4059.0	5.0	0.0	2577.2
10:39:33	01:45:08	570.0	4058.9	5.0	0.0	2581.6
10:39:43	01:45:18	572.0	4061.1	5.0	0.0	2582.4
10:39:53	01:45:28	574.0	4063.2	4.9	0.0	2583.2
10:40:03	01:45:38	576.0	4065.1	5.0	0.0	2584.0
10:40:13	01:45:48	574.0	4063.1	5.0	0.0	2585.0
10:40:23	01:45:58	576.0	4065.1	5.0	0.0	2585.8
10:40:33	01:46:08	580.0	4069.4	4.9	0.0	2586.6
10:40:43	01:46:18	578.0	4067.1	5.0	0.0	2587.2
10:40:53	01:46:28	578.0	4067.1	5.0	0.0	2588.0
10:41:03	01:46:38	578.0	4067.0	5.0	0.0	2589.0
10:41:13	01:46:48	576.0	4065.1	5.0	0.0	2590.0
10:41:23	01:46:58	580.0	4069.1	5.0	0.0	2590.6
10:41:33	01:47:08	580.0	4069.3	4.9	0.0	2591.4
10:41:43	01:47:18	580.0	4069.2	4.9	0.0	2592.2
10:41:53	01:47:28	578.0	4067.1	5.0	0.0	2593.0
10:42:03	01:47:38	580.0	4069.1	5.0	0.0	2594.0
10:42:13	01:47:48	580.0	4069.1	5.0	0.0	2595.0
10:42:23	01:47:58	580.0	4069.1	5.0	0.0	2595.6
10:42:33	01:48:08	580.0	4069.1	5.0	0.0	2596.4
10:42:43	01:48:18	580.0	4069.1	5.0	0.0	2597.2
10:42:53	01:48:28	580.0	4069.3	4.9	0.0	2598.0
10:43:03	01:48:38	580.0	4069.3	4.9	0.0	2599.0
10:43:13	01:48:48	580.0	4069.3	4.9	0.0	2599.8
10:43:23	01:48:58	580.0	4069.2	4.9	0.0	2600.6
10:43:33	01:49:08	580.0	4069.4	4.9	0.0	2601.4
10:43:43	01:49:18	580.0	4069.2	4.9	0.0	2602.2
10:43:53	01:49:28	580.0	4069.0	5.0	0.0	2603.0
10:44:03	01:49:38	580.0	4068.6	5.1	0.0	2604.0
10:44:13	01:49:48	580.0	4068.5	5.1	0.0	2604.8

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
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10:44:23	01:49:58	580.0	4069.1	5.0	0.0	2605.6
10:44:33	01:50:08	582.0	4071.2	4.9	0.0	2606.4
10:44:43	01:50:18	580.0	4069.3	4.9	0.0	2607.2
10:44:53	01:50:28	580.0	4069.1	5.0	0.0	2608.0
10:45:03	01:50:38	580.0	4069.3	4.9	0.0	2609.0
10:45:13	01:50:48	580.0	4069.3	4.9	0.0	2609.8

10:45:23	01:50:58	580.0	4069.2	4.9	0.0	2610.6
10:45:33	01:51:08	580.0	4069.2	4.9	0.0	2611.2
10:45:43	01:51:18	580.0	4069.3	4.9	0.0	2612.0
10:45:53	01:51:28	580.0	4069.2	4.9	0.0	2613.0
10:46:03	01:51:38	580.0	4069.1	5.0	0.0	2614.0
10:46:13	01:51:48	582.0	4071.1	5.0	0.0	2614.6

10:46:23	01:51:58	580.0	4069.2	4.9	0.0	2615.4
10:46:33	01:52:08	580.0	4068.8	5.0	0.0	2616.2

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME JOBTIME SURFACE CALCULA TOTAL R INSTANT SLURRY

10:46:45	01:52:20	580.0	4069.2	4.9	0.0	2617.2
10:46:58	01:52:32	594.0	4082.4	5.1	0.0	2618.2
10:47:08	01:52:42	606.0	4091.1	5.8	0.0	2619.2
10:48:02	01:53:37	610.0	4090.6	5.9	0.0	2624.6
10:48:12	01:53:47	610.0	4090.4	6.0	0.0	2625.6
10:48:22	01:53:57	610.0	4090.5	5.9	0.0	2626.6

10:48:32	01:54:07	610.0	4090.5	5.9	0.0	2627.6
10:48:42	01:54:17	610.0	4091.7	5.7	0.0	2628.6
10:48:52	01:54:27	610.0	4091.5	5.8	0.0	2629.4
10:49:02	01:54:37	610.0	4091.5	5.8	0.0	2630.4
10:49:12	01:54:47	610.0	4091.6	5.7	0.0	2631.4
10:49:22	01:54:57	610.0	4091.4	5.8	0.0	2632.4

10:49:32	01:55:07	610.0	4092.4	5.6	0.0	2633.4
10:49:42	01:55:17	610.0	4092.4	5.6	0.0	2634.2
10:49:52	01:55:27	610.0	4092.6	5.6	0.0	2635.2
10:50:02	01:55:37	610.0	4092.9	5.5	0.0	2636.0
10:50:12	01:55:47	610.0	4092.7	5.5	0.0	2637.0
10:50:22	01:55:57	610.0	4092.4	5.6	0.0	2638.0

10:50:32	01:56:07	610.0	4092.9	5.5	0.0	2639.0
10:50:42	01:56:17	610.0	4092.9	5.5	0.0	2640.0
10:50:52	01:56:27	610.0	4092.6	5.6	0.0	2640.8
10:51:02	01:56:37	610.0	4092.6	5.6	0.0	2641.6
10:51:12	01:56:47	614.0	4096.9	5.5	0.0	2642.6
10:51:22	01:56:57	614.0	4096.7	5.5	0.0	2643.6

10:51:32	01:57:07	610.0	4092.9	5.5	0.0	2644.4
10:51:42	01:57:17	614.0	4096.7	5.5	0.0	2645.4
10:51:52	01:57:27	614.0	4096.6	5.6	0.0	2646.2
10:52:02	01:57:37	620.0	4102.9	5.5	0.0	2647.2
10:52:12	01:57:47	620.0	4102.9	5.5	0.0	2648.0
10:52:24	01:57:59	620.0	4102.8	5.5	0.0	2649.2

10:53:21	01:58:56	620.0	4102.7	5.5	0.0	2654.4
10:53:31	01:59:06	620.0	4102.6	5.6	0.0	2655.4
10:53:41	01:59:16	618.0	4100.5	5.6	0.0	2656.4
10:53:51	01:59:26	620.0	4102.7	5.5	0.0	2657.2
10:54:01	01:59:36	620.0	4102.7	5.5	0.0	2658.2
10:54:11	01:59:46	620.0	4102.6	5.6	0.0	2659.0

10:54:21	01:59:56	620.0	4102.7	5.5	0.0	2660.0
10:54:31	02:00:06	620.0	4102.9	5.5	0.0	2661.0
10:54:41	02:00:16	620.0	4102.6	5.6	0.0	2662.0
10:54:51	02:00:26	620.0	4102.7	5.5	0.0	2663.0
10:55:01	02:00:36	620.0	4102.6	5.6	0.0	2663.8
10:55:11	02:00:46	620.0	4102.7	5.5	0.0	2664.6

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
10:55:21	02:00:56	620.0	4102.7	5.5	0.0	2665.8
10:55:31	02:01:06	620.0	4101.5	5.8	0.0	2666.6
10:55:41	02:01:16	620.0	4101.3	5.8	0.0	2667.4
10:55:51	02:01:26	620.0	4102.6	5.6	0.0	2668.4
10:56:02	02:01:37	620.0	4101.6	5.7	0.0	2669.4
10:56:12	02:01:47	642.0	4122.0	6.0	0.0	2670.4
10:56:22	02:01:57	630.0	4110.2	6.0	0.0	2671.4
10:56:32	02:02:07	630.0	4111.1	5.8	0.0	2672.4
10:56:42	02:02:17	630.0	4110.9	5.9	0.0	2673.4
10:56:52	02:02:27	630.0	4111.3	5.8	0.0	2674.4
10:57:02	02:02:37	636.0	4116.5	5.9	0.0	2675.4
10:57:12	02:02:47	640.0	4119.9	6.0	0.0	2676.4
10:57:22	02:02:57	638.0	4117.7	6.1	0.0	2677.4
10:57:32	02:03:07	638.0	4117.9	6.0	0.0	2678.4
10:57:42	02:03:17	638.0	4117.7	6.1	0.0	2679.4
10:57:52	02:03:27	640.0	4119.8	6.1	0.0	2680.4
10:58:02	02:03:37	640.0	4119.7	6.1	0.0	2681.4
10:58:12	02:03:47	640.0	4119.7	6.1	0.0	2682.4
10:58:22	02:03:57	640.0	4119.6	6.1	0.0	2683.4
10:58:32	02:04:07	640.0	4119.6	6.1	0.0	2684.4
10:58:42	02:04:17	640.0	4119.9	6.0	0.0	2685.6
10:58:52	02:04:27	640.0	4119.4	6.1	0.0	2686.6
10:59:02	02:04:37	640.0	4119.6	6.1	0.0	2687.6
10:59:12	02:04:47	640.0	4119.8	6.1	0.0	2688.6
10:59:22	02:04:57	640.0	4120.0	6.0	0.0	2689.6
10:59:32	02:05:07	640.0	4119.8	6.1	0.0	2690.6
10:59:42	02:05:17	640.0	4119.4	6.1	0.0	2691.6
10:59:52	02:05:27	640.0	4119.9	6.0	0.0	2692.6
11:00:02	02:05:37	640.0	4119.7	6.1	0.0	2693.6
11:01:01	02:06:36	640.0	4115.5	6.1	0.0	2699.6
11:01:11	02:06:46	642.0	4117.5	6.1	0.0	2700.6
11:01:21	02:06:56	644.0	4119.3	6.1	0.0	2701.6
11:01:31	02:07:06	644.0	4119.3	6.1	0.0	2702.6
11:01:41	02:07:16	650.0	4125.5	6.1	0.0	2703.6
11:01:51	02:07:26	644.0	4119.2	6.1	0.0	2704.6
11:02:01	02:07:36	642.0	4117.6	6.0	0.0	2705.6
11:02:11	02:07:46	648.0	4123.6	6.0	0.0	2706.6
11:02:21	02:07:56	646.0	4121.5	6.1	0.0	2707.6
11:02:31	02:08:06	646.0	4121.3	6.1	0.0	2708.8
11:02:41	02:08:16	650.0	4125.7	6.0	0.0	2709.8
11:02:51	02:08:26	650.0	4125.3	6.1	0.0	2710.8
11:03:01	02:08:36	650.0	4125.3	6.1	0.0	2711.8

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL	R	INSTANT	SLURRY
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11:03:11	02:08:46	650.0	4125.5	6.1	0.0	2712.8
11:03:21	02:08:56	650.0	4125.6	6.0	0.0	2713.8
11:03:31	02:09:06	650.0	4125.2	6.1	0.0	2714.8
11:03:41	02:09:16	650.0	4125.6	6.0	0.0	2715.8
11:03:51	02:09:26	650.0	4125.3	6.1	0.0	2716.8
11:04:01	02:09:36	650.0	4125.1	6.1	0.0	2717.8

11:04:11	02:09:46	650.0	4125.2	6.1	0.0	2719.0
11:04:21	02:09:56	650.0	4125.7	6.0	0.0	2720.0
11:04:31	02:10:06	650.0	4125.2	6.1	0.0	2721.0
11:04:41	02:10:16	650.0	4125.2	6.1	0.0	2722.0
11:04:51	02:10:26	650.0	4125.6	6.0	0.0	2723.0
11:05:01	02:10:36	650.0	4125.3	6.1	0.0	2724.0

11:05:11	02:10:46	650.0	4125.5	6.1	0.0	2725.0
11:05:21	02:10:56	650.0	4125.3	6.1	0.0	2726.0
11:05:31	02:11:06	650.0	4125.2	6.1	0.0	2727.0
11:05:41	02:11:16	650.0	4125.3	6.1	0.0	2728.0
11:05:51	02:11:26	650.0	4125.5	6.1	0.0	2729.0

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
11:06:01	02:11:36	650.0	4125.2	6.1	0.0	2730.0
11:06:11	02:11:46	650.0	4125.2	6.1	0.0	2731.0
11:06:21	02:11:56	674.0	4147.1	6.4	0.0	2732.0
11:06:33	02:12:07	678.0	4148.4	6.8	0.0	2733.2
11:06:43	02:12:17	678.0	4147.2	7.0	0.0	2734.4
11:06:53	02:12:27	682.0	4151.6	6.9	0.0	2735.6
11:07:03	02:12:37	680.0	4149.6	6.9	0.0	2736.8
11:07:13	02:12:47	680.0	4149.3	7.0	0.0	2738.0
11:08:13	02:13:48	686.0	4139.8	7.0	0.0	2745.0
11:08:23	02:13:58	690.0	4144.6	6.9	0.0	2746.2
11:08:33	02:14:08	690.0	4144.2	7.0	0.0	2747.4
11:08:43	02:14:18	690.0	4143.7	7.0	0.0	2748.4
11:08:53	02:14:28	690.0	4144.8	6.9	0.0	2749.6
11:09:03	02:14:38	690.0	4144.2	7.0	0.0	2750.8
11:09:13	02:14:48	690.0	4144.6	6.9	0.0	2752.0
11:09:23	02:14:58	690.0	4144.4	7.0	0.0	2753.2
11:09:33	02:15:08	690.0	4143.8	7.0	0.0	2754.4
11:09:43	02:15:18	690.0	4144.2	7.0	0.0	2755.4
11:09:53	02:15:28	690.0	4144.0	7.0	0.0	2756.6
11:10:03	02:15:38	690.0	4144.6	6.9	0.0	2757.8
11:10:13	02:15:48	690.0	4144.0	7.0	0.0	2759.0
11:10:23	02:15:58	692.0	4146.2	7.0	0.0	2760.2
11:10:33	02:16:08	692.0	4146.6	6.9	0.0	2761.4
11:10:43	02:16:18	690.0	4144.4	7.0	0.0	2762.4
11:10:53	02:16:28	692.0	4146.8	6.9	0.0	2763.6
11:11:03	02:16:38	690.0	4144.2	7.0	0.0	2764.8
11:11:13	02:16:48	692.0	4146.6	6.9	0.0	2766.0
11:11:23	02:16:58	698.0	4151.8	7.0	0.0	2767.2
11:11:33	02:17:08	696.0	4150.0	7.0	0.0	2768.4
11:11:43	02:17:18	696.0	4150.4	7.0	0.0	2769.4
11:11:53	02:17:28	698.0	4152.0	7.0	0.0	2770.6
11:12:03	02:17:38	698.0	4152.4	7.0	0.0	2771.8
11:12:13	02:17:48	700.0	4154.4	7.0	0.0	2773.0
11:12:23	02:17:58	700.0	4154.0	7.0	0.0	2774.2
11:12:33	02:18:08	700.0	4154.0	7.0	0.0	2775.2
11:12:43	02:18:18	700.0	4154.2	7.0	0.0	2776.4
11:12:53	02:18:28	700.0	4154.4	7.0	0.0	2777.6
11:13:03	02:18:38	700.0	4154.0	7.0	0.0	2778.8
11:13:13	02:18:48	700.0	4155.0	6.9	0.0	2780.0
11:13:23	02:18:58	700.0	4154.4	7.0	0.0	2781.2
11:13:33	02:19:08	700.0	4154.8	6.9	0.0	2782.2
11:13:43	02:19:18	700.0	4154.6	6.9	0.0	2783.4

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
11:13:53	02:19:28	700.0	4154.4	7.0	0.0	2784.6
11:14:03	02:19:38	700.0	4154.0	7.0	0.0	2785.6
11:14:13	02:19:48	700.0	4154.2	7.0	0.0	2786.8
11:14:23	02:19:58	700.0	4154.8	6.9	0.0	2788.0
11:14:33	02:20:08	702.0	4156.0	7.0	0.0	2789.2
11:14:43	02:20:18	702.0	4156.0	7.0	0.0	2790.4
11:14:53	02:20:28	702.0	4156.4	7.0	0.0	2791.4
11:15:03	02:20:38	700.0	4154.6	6.9	0.0	2792.6
11:15:13	02:20:48	702.0	4156.8	6.9	0.0	2793.8
11:15:23	02:20:58	706.0	4161.0	6.9	0.0	2795.0
11:15:33	02:21:08	704.0	4158.6	6.9	0.0	2796.2
11:15:43	02:21:18	700.0	4154.6	6.9	0.0	2797.4
11:15:53	02:21:28	702.0	4156.8	6.9	0.0	2798.4
11:16:03	02:21:38	700.0	4154.4	7.0	0.0	2799.6
11:16:13	02:21:48	706.0	4160.8	6.9	0.0	2800.8
11:16:23	02:21:58	708.0	4162.6	6.9	0.0	2802.0
11:16:33	02:22:08	710.0	4164.2	7.0	0.0	2803.2
11:16:43	02:22:18	710.0	4164.4	7.0	0.0	2804.2
11:16:53	02:22:28	710.0	4164.4	7.0	0.0	2805.4
11:17:03	02:22:38	710.0	4165.0	6.9	0.0	2806.6

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
11:17:14	02:22:49	710.0	4164.4	7.0	0.0	2807.6
11:17:23	02:22:58	710.0	4164.8	6.9	0.0	2809.0
11:17:35	02:23:09	710.0	4164.6	6.9	0.0	2810.2
11:17:45	02:23:19	726.0	4179.3	7.1	0.0	2811.4
11:17:55	02:23:29	748.0	4192.0	8.1	0.0	2812.6
11:18:05	02:23:39	746.0	4190.7	8.0	0.0	2814.0
11:18:15	02:23:49	740.0	4185.7	7.9	0.0	2815.4
11:18:25	02:23:59	744.0	4189.9	7.9	0.0	2816.6
11:19:23	02:24:58	750.0	4177.0	8.0	0.0	2824.4
11:19:33	02:25:08	756.0	4182.5	8.0	0.0	2825.6
11:19:43	02:25:18	756.0	4183.0	8.0	0.0	2827.2
11:19:53	02:25:28	760.0	4187.3	8.0	0.0	2828.4
11:20:03	02:25:38	760.0	4186.8	8.0	0.0	2829.6
11:20:13	02:25:48	760.0	4186.0	8.1	0.0	2831.2
11:20:23	02:25:58	760.0	4187.0	8.0	0.0	2832.4
11:20:33	02:26:08	760.0	4186.8	8.0	0.0	2833.6
11:20:43	02:26:18	760.0	4186.5	8.0	0.0	2835.2
11:20:53	02:26:28	760.0	4187.0	8.0	0.0	2836.4
11:21:03	02:26:38	760.0	4187.3	8.0	0.0	2837.6
11:21:13	02:26:48	760.0	4186.5	8.0	0.0	2839.2
11:21:23	02:26:58	760.0	4187.3	8.0	0.0	2840.4
11:21:33	02:27:08	760.0	4186.5	8.0	0.0	2841.6
11:21:43	02:27:18	760.0	4186.3	8.0	0.0	2843.2
11:21:53	02:27:28	760.0	4186.8	8.0	0.0	2844.4
11:22:03	02:27:38	760.0	4187.0	8.0	0.0	2845.6
11:22:13	02:27:48	760.0	4187.5	7.9	0.0	2847.2
11:22:23	02:27:58	760.0	4187.3	8.0	0.0	2848.4
11:22:33	02:28:08	762.0	4188.8	8.0	0.0	2849.6
11:22:43	02:28:18	766.0	4192.8	8.0	0.0	2851.2
11:22:53	02:28:28	762.0	4188.5	8.0	0.0	2852.4
11:23:03	02:28:38	770.0	4196.5	8.0	0.0	2853.6
11:23:13	02:28:48	764.0	4190.8	8.0	0.0	2855.2
11:23:23	02:28:58	770.0	4197.3	8.0	0.0	2856.4
11:23:33	02:29:08	770.0	4196.5	8.0	0.0	2857.6
11:23:43	02:29:18	770.0	4196.5	8.0	0.0	2859.2
11:23:53	02:29:28	770.0	4197.0	8.0	0.0	2860.4
11:24:03	02:29:38	770.0	4196.5	8.0	0.0	2861.6
11:24:13	02:29:48	770.0	4196.8	8.0	0.0	2863.2
11:24:23	02:29:58	770.0	4197.3	8.0	0.0	2864.4
11:24:33	02:30:08	770.0	4196.8	8.0	0.0	2865.6
11:24:43	02:30:18	770.0	4196.8	8.0	0.0	2867.2

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME JOBTIME SURFACE CALCULA TOTAL R INSTANT SLURRY

11:24:55	02:30:30	770.0	4197.0	8.0	0.0	2868.6
11:25:07	02:30:41	770.0	4196.3	8.0	0.0	2870.2
11:25:17	02:30:51	790.0	4214.8	8.2	0.0	2871.4
11:25:27	02:31:01	790.0	4211.8	8.4	0.0	2872.8
11:25:37	02:31:11	790.0	4212.6	8.3	0.0	2874.4
11:25:47	02:31:21	790.0	4212.6	8.3	0.0	2875.6

11:25:57	02:31:31	790.0	4212.3	8.4	0.0	2877.2
11:26:07	02:31:41	790.0	4212.1	8.4	0.0	2878.4
11:26:17	02:31:51	790.0	4211.8	8.4	0.0	2879.8
11:27:19	02:32:54	830.0	4155.4	9.1	0.0	2889.4
11:27:29	02:33:04	830.0	4154.4	9.2	0.0	2890.6
11:27:39	02:33:14	830.0	4155.9	9.1	0.0	2892.4

11:27:49	02:33:24	830.0	4155.4	9.1	0.0	2893.8
11:27:59	02:33:34	830.0	4156.8	9.1	0.0	2895.4
11:28:09	02:33:44	830.0	4156.8	9.1	0.0	2896.8
11:28:19	02:33:54	830.0	4156.4	9.1	0.0	2898.4
11:28:29	02:34:04	832.0	4158.4	9.1	0.0	2899.8
11:28:39	02:34:14	832.0	4157.9	9.1	0.0	2901.4

11:28:49	02:34:24	836.0	4163.8	9.0	0.0	2902.8
11:28:59	02:34:34	834.0	4161.3	9.0	0.0	2904.4
11:29:09	02:34:44	836.0	4162.8	9.1	0.0	2906.0
11:29:19	02:34:54	838.0	4164.4	9.1	0.0	2907.4
11:29:29	02:35:04	840.0	4165.9	9.1	0.0	2909.2
11:29:39	02:35:14	840.0	4167.3	9.0	0.0	2910.4

11:29:49	02:35:24	840.0	4165.9	9.1	0.0	2912.2
11:29:59	02:35:34	840.0	4167.3	9.0	0.0	2913.4
11:30:09	02:35:44	840.0	4165.9	9.1	0.0	2915.2
11:30:19	02:35:54	840.0	4165.9	9.1	0.0	2916.6
11:30:29	02:36:04	840.0	4167.3	9.0	0.0	2918.2
11:30:39	02:36:14	840.0	4166.8	9.1	0.0	2919.6

11:30:49	02:36:24	840.0	4166.4	9.1	0.0	2921.2
11:30:59	02:36:34	840.0	4167.3	9.0	0.0	2922.6
11:31:09	02:36:44	840.0	4166.8	9.1	0.0	2924.2
11:31:19	02:36:54	840.0	4166.4	9.1	0.0	2925.6
11:31:29	02:37:04	840.0	4166.8	9.1	0.0	2927.2
11:31:39	02:37:14	840.0	4166.4	9.1	0.0	2928.6

11:31:49	02:37:24	840.0	4167.8	9.0	0.0	2930.2
11:31:59	02:37:34	840.0	4167.8	9.0	0.0	2931.6
11:32:09	02:37:44	840.0	4167.3	9.0	0.0	2933.2
11:32:19	02:37:54	840.0	4166.8	9.1	0.0	2934.6
11:32:29	02:38:04	840.0	4167.3	9.0	0.0	2936.2
11:32:39	02:38:14	840.0	4168.3	9.0	0.0	2937.6

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PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
11:32:49	02:38:24	840.0	4167.8	9.0	0.0	2939.2
11:32:59	02:38:34	840.0	4167.3	9.0	0.0	2940.6
11:33:09	02:38:44	840.0	4166.8	9.1	0.0	2942.4
11:33:19	02:38:54	842.0	4168.8	9.1	0.0	2943.6
11:33:29	02:39:04	840.0	4165.9	9.1	0.0	2945.4
11:33:39	02:39:14	844.0	4169.9	9.1	0.0	2946.6
11:33:49	02:39:24	842.0	4169.3	9.0	0.0	2948.4
11:33:59	02:39:34	842.0	4168.4	9.1	0.0	2949.6
11:34:09	02:39:44	846.0	4172.8	9.1	0.0	2951.4
11:34:19	02:39:54	844.0	4170.4	9.1	0.0	2952.8
11:34:29	02:40:04	848.0	4173.4	9.1	0.0	2954.4
11:34:39	02:40:14	850.0	4176.4	9.1	0.0	2955.8
11:34:49	02:40:24	850.0	4176.8	9.1	0.0	2957.4

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME JOBTIME SURFACE CALCULA TOTAL R INSTANT SLURRY

11:34:59	02:40:34	850.0	4176.4	9.1	0.0	2958.8
11:35:11	02:40:46	850.0	4177.3	9.0	0.0	2960.4
11:35:21	02:40:56	850.0	4178.3	9.0	0.0	2962.2
11:35:31	02:41:06	850.0	4177.8	9.0	0.0	2963.6
11:35:41	02:41:16	850.0	4177.3	9.0	0.0	2965.2
11:35:51	02:41:26	850.0	4176.4	9.1	0.0	2966.6

11:36:01	02:41:36	850.0	4176.4	9.1	0.0	2968.4
11:36:11	02:41:46	878.0	4196.6	9.4	0.0	2969.6
11:36:21	02:41:56	880.0	4191.8	9.7	0.0	2971.4
11:36:31	02:42:06	880.0	4190.8	9.7	0.0	2973.0
11:36:41	02:42:16	880.0	4190.8	9.7	0.0	2974.6
11:36:51	02:42:26	880.0	4186.4	9.9	0.0	2976.4

11:37:01	02:42:36	880.0	4186.4	9.9	0.0	2978.0
11:38:04	02:43:39	890.0	4230.2	10.5	0.0	2988.6
11:38:14	02:43:49	890.0	4229.4	10.6	0.0	2990.6
11:38:24	02:43:59	890.0	4240.1	10.0	0.0	2992.4
11:38:34	02:44:09	890.0	4241.2	10.0	0.0	2994.0
11:38:44	02:44:19	890.0	4240.5	10.0	0.0	2995.6

11:38:54	02:44:29	890.0	4241.6	9.9	0.0	2997.4
11:39:04	02:44:39	890.0	4240.1	10.0	0.0	2999.0
11:39:14	02:44:49	890.0	4240.5	10.0	0.0	3000.6
11:39:24	02:44:59	890.0	4240.5	10.0	0.0	3002.4
11:39:34	02:45:09	890.0	4239.7	10.0	0.0	3004.0
11:39:44	02:45:19	890.0	4240.1	10.0	0.0	3005.6

11:39:54	02:45:29	890.0	4240.5	10.0	0.0	3007.4
11:40:04	02:45:39	890.0	4239.7	10.0	0.0	3009.0
11:40:14	02:45:49	890.0	4240.5	10.0	0.0	3010.6
11:40:24	02:45:59	890.0	4240.5	10.0	0.0	3012.4
11:40:34	02:46:09	890.0	4240.1	10.0	0.0	3014.0
11:40:44	02:46:19	890.0	4240.9	10.0	0.0	3015.6

11:40:54	02:46:29	890.0	4240.5	10.0	0.0	3017.4
11:41:04	02:46:39	890.0	4241.2	10.0	0.0	3019.0
11:41:14	02:46:49	890.0	4240.9	10.0	0.0	3020.6
11:41:24	02:46:59	890.0	4240.9	10.0	0.0	3022.4
11:41:34	02:47:09	890.0	4240.9	10.0	0.0	3024.0
11:41:44	02:47:19	890.0	4241.6	9.9	0.0	3025.6

11:41:54	02:47:29	890.0	4241.2	10.0	0.0	3027.4
11:42:04	02:47:39	890.0	4240.5	10.0	0.0	3029.0
11:42:14	02:47:49	890.0	4240.9	10.0	0.0	3030.6
11:42:24	02:47:59	890.0	4240.5	10.0	0.0	3032.4
11:42:34	02:48:09	892.0	4242.1	10.0	0.0	3034.0
11:42:44	02:48:19	894.0	4244.1	10.0	0.0	3035.6

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PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME JOBTIME SURFACE CALCULA TOTAL R INSTANT SLURRY

11:42:54	02:48:29	894.0	4244.1	10.0	0.0	3037.4
11:43:04	02:48:39	894.0	4244.1	10.0	0.0	3039.0
11:43:14	02:48:49	892.0	4242.5	10.0	0.0	3040.6
11:43:24	02:48:59	896.0	4245.7	10.0	0.0	3042.4
11:43:34	02:49:09	900.0	4249.7	10.0	0.0	3044.0
11:43:44	02:49:19	900.0	4250.5	10.0	0.0	3045.6
11:43:54	02:49:29	900.0	4250.9	10.0	0.0	3047.4
11:44:04	02:49:39	900.0	4250.5	10.0	0.0	3049.0
11:44:14	02:49:49	900.0	4251.2	10.0	0.0	3050.6
11:44:24	02:49:59	900.0	4250.5	10.0	0.0	3052.4
11:44:34	02:50:09	900.0	4250.9	10.0	0.0	3054.0
11:44:44	02:50:19	900.0	4250.5	10.0	0.0	3055.6
11:44:54	02:50:29	900.0	4250.5	10.0	0.0	3057.4
11:45:04	02:50:39	900.0	4251.2	10.0	0.0	3059.0
11:45:14	02:50:49	900.0	4250.1	10.0	0.0	3060.6
11:45:24	02:50:59	900.0	4249.7	10.0	0.0	3062.4
11:45:34	02:51:09	900.0	4250.1	10.0	0.0	3064.2

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
11:45:44	02:51:19	900.0	4250.5	10.0	0.0	3065.6
11:45:55	02:51:30	900.0	4251.2	10.0	0.0	3067.4
11:46:05	02:51:40	900.0	4250.5	10.0	0.0	3069.4
11:46:15	02:51:50	900.0	4250.5	10.0	0.0	3071.0
11:47:22	02:52:56	964.0	4254.2	11.2	0.0	3082.8
11:47:32	02:53:06	966.0	4255.7	11.2	0.0	3084.6
11:47:42	02:53:16	968.0	4258.6	11.2	0.0	3086.6
11:47:52	02:53:26	968.0	4259.1	11.2	0.0	3088.4
11:48:02	02:53:36	970.0	4261.1	11.2	0.0	3090.4
11:48:12	02:53:46	970.0	4261.6	11.1	0.0	3092.2
11:48:22	02:53:56	970.0	4260.2	11.2	0.0	3094.0
11:48:32	02:54:06	970.0	4260.2	11.2	0.0	3095.8
11:48:42	02:54:16	970.0	4261.6	11.1	0.0	3097.6
11:48:52	02:54:26	970.0	4260.6	11.2	0.0	3099.6
11:49:02	02:54:36	970.0	4261.6	11.1	0.0	3101.4
11:49:12	02:54:46	970.0	4262.0	11.1	0.0	3103.4
11:49:22	02:54:56	970.0	4261.1	11.2	0.0	3105.4
11:49:32	02:55:06	970.0	4261.1	11.2	0.0	3107.0
11:49:42	02:55:16	970.0	4260.2	11.2	0.0	3108.8
11:49:52	02:55:26	970.0	4261.6	11.1	0.0	3110.8
11:50:02	02:55:36	974.0	4265.1	11.2	0.0	3112.6
11:50:12	02:55:46	974.0	4264.6	11.2	0.0	3114.4
11:50:22	02:55:56	976.0	4267.6	11.1	0.0	3116.4
11:50:32	02:56:06	978.0	4268.6	11.2	0.0	3118.4
11:50:42	02:56:16	978.0	4268.2	11.2	0.0	3120.0
11:50:52	02:56:26	978.0	4268.2	11.2	0.0	3122.0
11:51:02	02:56:36	980.0	4270.2	11.2	0.0	3123.8
11:51:12	02:56:46	978.0	4269.6	11.1	0.0	3125.6
11:51:22	02:56:56	978.0	4269.6	11.1	0.0	3127.6
11:51:32	02:57:06	978.0	4269.6	11.1	0.0	3129.4
11:51:42	02:57:16	980.0	4271.1	11.2	0.0	3131.4
11:51:52	02:57:26	980.0	4272.0	11.1	0.0	3133.2
11:52:02	02:57:36	980.0	4272.0	11.1	0.0	3135.0
11:52:12	02:57:46	980.0	4271.6	11.1	0.0	3136.8
11:52:22	02:57:56	980.0	4271.1	11.2	0.0	3138.6
11:52:32	02:58:06	980.0	4271.6	11.1	0.0	3140.6
11:52:42	02:58:16	980.0	4270.2	11.2	0.0	3142.4
11:52:52	02:58:26	980.0	4268.8	11.3	0.0	3144.4
11:53:02	02:58:36	980.0	4270.2	11.2	0.0	3146.4
11:53:12	02:58:46	980.0	4271.1	11.2	0.0	3148.0
11:53:22	02:58:56	980.0	4272.0	11.1	0.0	3150.0
11:53:32	02:59:06	980.0	4271.1	11.2	0.0	3151.6

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
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11:53:42	02:59:16	980.0	4271.1	11.2	0.0	3153.6
11:53:52	02:59:26	980.0	4272.5	11.1	0.0	3155.4
11:54:02	02:59:36	980.0	4272.5	11.1	0.0	3157.4
11:54:12	02:59:46	980.0	4272.0	11.1	0.0	3159.4
11:54:22	02:59:56	980.0	4271.6	11.1	0.0	3161.0
11:54:32	03:00:06	980.0	4272.0	11.1	0.0	3163.0

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PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME JOBTIME SURFACE CALCULA TOTAL R INSTANT SLURRY

11:54:42	03:00:16	980.0	4271.6	11.1	0.0	3164.8
11:54:52	03:00:26	980.0	4272.0	11.1	0.0	3166.6
11:55:03	03:00:38	980.0	4272.0	11.1	0.0	3168.8
11:55:13	03:00:48	1046.0	4316.8	12.0	0.0	3170.8
11:55:23	03:00:58	1020.0	4294.6	11.9	0.0	3172.6
11:55:33	03:01:08	1016.0	4292.5	11.8	0.0	3174.6

11:55:43	03:01:18	1010.0	4288.4	11.7	0.0	3176.6
11:56:55	03:02:29	1040.0	4268.6	12.1	0.0	3190.8
11:57:05	03:02:39	1040.0	4266.3	12.2	0.0	3192.8
11:57:15	03:02:49	1040.0	4265.8	12.2	0.0	3194.8
11:57:25	03:02:59	1040.0	4267.5	12.1	0.0	3196.8
11:57:35	03:03:09	1040.0	4267.5	12.1	0.0	3199.0

11:57:45	03:03:19	1040.0	4268.6	12.1	0.0	3201.0
11:57:55	03:03:29	1040.0	4268.0	12.1	0.0	3203.0
11:58:05	03:03:39	1040.0	4267.5	12.1	0.0	3205.0
11:58:15	03:03:49	1040.0	4268.0	12.1	0.0	3207.0
11:58:25	03:03:59	1040.0	4268.0	12.1	0.0	3209.0
11:58:35	03:04:09	1040.0	4267.5	12.1	0.0	3211.0

11:58:45	03:04:19	1040.0	4267.5	12.1	0.0	3213.0
11:58:55	03:04:29	1040.0	4268.6	12.1	0.0	3215.0
11:59:05	03:04:39	1040.0	4266.9	12.1	0.0	3217.2
11:59:15	03:04:49	1040.0	4266.3	12.2	0.0	3219.2
11:59:25	03:04:59	1042.0	4268.3	12.2	0.0	3221.2
11:59:35	03:05:09	1040.0	4267.5	12.1	0.0	3223.4

11:59:45	03:05:19	1040.0	4266.9	12.1	0.0	3225.4
11:59:55	03:05:29	1040.0	4268.6	12.1	0.0	3227.4
12:00:05	03:05:39	1040.0	4268.0	12.1	0.0	3229.4
12:00:15	03:05:49	1040.0	4267.5	12.1	0.0	3231.4
12:00:25	03:05:59	1040.0	4266.9	12.1	0.0	3233.4
12:00:35	03:06:09	1044.0	4272.6	12.1	0.0	3235.4

12:00:45	03:06:19	1040.0	4267.5	12.1	0.0	3237.4
12:00:55	03:06:29	1040.0	4266.3	12.2	0.0	3239.4
12:01:05	03:06:39	1044.0	4270.9	12.1	0.0	3241.4
12:01:15	03:06:49	1040.0	4268.0	12.1	0.0	3243.4
12:01:25	03:06:59	1040.0	4269.1	12.1	0.0	3245.4
12:01:35	03:07:09	1044.0	4272.0	12.1	0.0	3247.4

12:01:45	03:07:19	1042.0	4269.5	12.1	0.0	3249.4
12:01:55	03:07:29	1050.0	4275.8	12.2	0.0	3251.4
12:02:05	03:07:39	1050.0	4278.0	12.1	0.0	3253.4
12:02:15	03:07:49	1046.0	4274.0	12.1	0.0	3255.4
12:02:25	03:07:59	1050.0	4276.9	12.1	0.0	3257.4
12:02:35	03:08:09	1050.0	4278.0	12.1	0.0	3259.6

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PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
12:02:45	03:08:19	1050.0	4277.5	12.1	0.0	3261.6
12:02:55	03:08:29	1050.0	4278.0	12.1	0.0	3263.6
12:03:05	03:08:39	1050.0	4276.9	12.1	0.0	3265.6
12:03:15	03:08:49	1050.0	4277.5	12.1	0.0	3267.6
12:03:25	03:08:59	1050.0	4278.6	12.1	0.0	3269.6
12:03:35	03:09:09	1050.0	4279.1	12.1	0.0	3271.6
12:03:45	03:09:19	1048.0	4275.5	12.1	0.0	3273.6
12:03:55	03:09:29	1050.0	4276.9	12.1	0.0	3275.8
12:04:05	03:09:39	1050.0	4276.3	12.2	0.0	3277.8
12:04:15	03:09:49	1048.0	4277.1	12.1	0.0	3279.8
12:04:25	03:09:59	1048.0	4276.6	12.1	0.0	3281.8
12:04:35	03:10:09	1050.0	4278.6	12.1	0.0	3283.8

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
12:04:45	03:10:19	1050.0	4278.6	12.1	0.0	3286.0
12:04:57	03:10:32	1060.0	4286.3	12.2	0.0	3288.0
12:05:07	03:10:42	1080.0	4296.3	12.5	0.0	3290.4
12:06:17	03:11:52	1110.0	4268.2	13.2	0.0	3305.4
12:06:27	03:12:02	1110.0	4270.7	13.1	0.0	3307.6
12:06:37	03:12:12	1110.0	4268.8	13.2	0.0	3309.8
12:06:47	03:12:22	1110.0	4269.5	13.2	0.0	3312.0
12:06:57	03:12:32	1112.0	4272.7	13.1	0.0	3314.2
12:07:07	03:12:42	1110.0	4269.5	13.2	0.0	3316.4
12:07:17	03:12:52	1110.0	4268.8	13.2	0.0	3318.6
12:07:27	03:13:02	1110.0	4269.5	13.2	0.0	3320.8
12:07:37	03:13:12	1110.0	4269.5	13.2	0.0	3322.8
12:07:47	03:13:22	1110.0	4268.8	13.2	0.0	3325.2
12:07:57	03:13:32	1116.0	4277.4	13.1	0.0	3327.4
12:08:07	03:13:42	1114.0	4275.4	13.1	0.0	3329.6
12:08:17	03:13:52	1112.0	4272.7	13.1	0.0	3331.8
12:08:27	03:14:02	1114.0	4272.2	13.2	0.0	3333.8
12:08:37	03:14:12	1118.0	4276.2	13.2	0.0	3336.0
12:08:47	03:14:22	1118.0	4276.8	13.2	0.0	3338.4
12:08:57	03:14:32	1118.0	4276.8	13.2	0.0	3340.4
12:09:07	03:14:42	1120.0	4278.8	13.2	0.0	3342.8
12:09:17	03:14:52	1120.0	4280.1	13.1	0.0	3344.8
12:09:27	03:15:02	1118.0	4279.4	13.1	0.0	3347.2
12:09:37	03:15:12	1120.0	4279.5	13.2	0.0	3349.4
12:09:47	03:15:22	1120.0	4280.1	13.1	0.0	3351.4
12:09:57	03:15:32	1120.0	4279.5	13.2	0.0	3353.6
12:10:07	03:15:42	1120.0	4281.4	13.1	0.0	3355.8
12:10:17	03:15:52	1120.0	4278.8	13.2	0.0	3358.0
12:10:27	03:16:02	1120.0	4279.5	13.2	0.0	3360.2
12:10:37	03:16:12	1120.0	4282.7	13.1	0.0	3362.4
12:10:47	03:16:22	1120.0	4281.4	13.1	0.0	3364.6
12:10:57	03:16:32	1120.0	4281.4	13.1	0.0	3366.8
12:11:07	03:16:42	1120.0	4280.7	13.1	0.0	3369.0
12:11:17	03:16:52	1120.0	4279.5	13.2	0.0	3371.2
12:11:27	03:17:02	1120.0	4280.1	13.1	0.0	3373.4
12:11:37	03:17:12	1120.0	4280.7	13.1	0.0	3375.6
12:11:47	03:17:22	1120.0	4279.5	13.2	0.0	3377.8
12:11:57	03:17:32	1120.0	4280.1	13.1	0.0	3379.8
12:12:07	03:17:42	1120.0	4280.1	13.1	0.0	3382.2
12:12:17	03:17:52	1120.0	4278.2	13.2	0.0	3384.4
12:12:27	03:18:02	1120.0	4277.6	13.2	0.0	3386.4
12:12:37	03:18:12	1120.0	4280.7	13.1	0.0	3388.8

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
12:12:47	03:18:22	1120.0	4280.1	13.1	0.0	3390.8
12:12:57	03:18:32	1120.0	4279.5	13.2	0.0	3393.2
12:13:07	03:18:42	1120.0	4281.4	13.1	0.0	3395.4
12:13:17	03:18:52	1120.0	4280.7	13.1	0.0	3397.4
12:13:27	03:19:02	1120.0	4280.7	13.1	0.0	3399.8
12:13:37	03:19:12	1120.0	4280.1	13.1	0.0	3401.8
12:13:47	03:19:22	1120.0	4280.7	13.1	0.0	3404.0
12:13:57	03:19:32	1120.0	4281.4	13.1	0.0	3406.4
12:14:07	03:19:42	1120.0	4281.4	13.1	0.0	3408.4

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
12:14:17	03:19:52	1120.0	4280.1	13.1	0.0	3410.6
12:14:27	03:20:02	1120.0	4279.5	13.2	0.0	3412.8
12:14:38	03:20:13	1120.0	4281.4	13.1	0.0	3415.0
12:14:48	03:20:23	1130.0	4281.8	13.4	0.0	3417.6
12:14:58	03:20:33	1156.0	4311.0	13.3	0.0	3419.8
12:15:08	03:20:43	1186.0	4314.7	14.1	0.0	3422.2
12:15:18	03:20:53	1180.0	4304.2	14.3	0.0	3424.4
12:16:30	03:22:05	1190.0	4260.9	14.2	0.0	3441.2
12:16:40	03:22:15	1190.0	4258.7	14.2	0.0	3443.8
12:16:50	03:22:25	1190.0	4259.4	14.2	0.0	3446.2
12:17:00	03:22:35	1190.0	4258.7	14.2	0.0	3448.8
12:17:12	03:22:47	1190.0	4260.2	14.2	0.0	3450.8
12:17:22	03:22:57	1190.0	4260.9	14.2	0.0	3453.8
12:17:32	03:23:07	1190.0	4258.7	14.2	0.0	3456.2
12:17:42	03:23:17	1190.0	4260.2	14.2	0.0	3458.4
12:18:52	03:24:27	1190.0	4259.4	14.2	0.0	3475.2
12:19:02	03:24:37	1190.0	4258.0	14.2	0.0	3477.6
12:19:12	03:24:47	1190.0	4258.7	14.2	0.0	3479.8
12:19:22	03:24:57	1190.0	4259.4	14.2	0.0	3482.2
12:19:32	03:25:07	1192.0	4262.9	14.2	0.0	3484.8
12:19:42	03:25:17	1190.0	4259.4	14.2	0.0	3486.8
12:19:52	03:25:27	1190.0	4260.2	14.2	0.0	3489.4
12:20:02	03:25:37	1190.0	4260.9	14.2	0.0	3491.8
12:20:12	03:25:47	1190.0	4263.2	14.1	0.0	3494.2
12:20:22	03:25:57	1192.0	4264.4	14.1	0.0	3496.4
12:20:32	03:26:07	1192.0	4262.9	14.2	0.0	3498.8
12:20:42	03:26:17	1190.0	4259.4	14.2	0.0	3501.2
12:20:52	03:26:27	1192.0	4262.2	14.2	0.0	3503.6
12:21:02	03:26:37	1190.0	4260.2	14.2	0.0	3505.8
12:21:12	03:26:47	1190.0	4260.2	14.2	0.0	3508.4
12:21:22	03:26:57	1190.0	4260.2	14.2	0.0	3510.8
12:21:32	03:27:07	1192.0	4261.4	14.2	0.0	3513.0
12:21:42	03:27:17	1190.0	4259.4	14.2	0.0	3515.4
12:21:52	03:27:27	1194.0	4259.7	14.3	0.0	3517.8
12:22:02	03:27:37	1190.0	4258.0	14.2	0.0	3520.2
12:22:12	03:27:47	1196.0	4265.4	14.2	0.0	3522.4
12:22:22	03:27:57	1192.0	4260.7	14.2	0.0	3524.8
12:22:32	03:28:07	1194.0	4263.4	14.2	0.0	3527.2
12:22:42	03:28:17	1198.0	4267.4	14.2	0.0	3529.8
12:22:52	03:28:27	1200.0	4270.9	14.2	0.0	3531.8
12:23:02	03:28:37	1196.0	4265.4	14.2	0.0	3534.4
12:23:12	03:28:47	1198.0	4268.2	14.2	0.0	3536.8

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
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12:23:22	03:28:57	1194.0	4262.7	14.2	0.0	3539.2
12:23:32	03:29:07	1200.0	4269.4	14.2	0.0	3541.4
12:23:42	03:29:17	1200.0	4271.7	14.1	0.0	3543.8
12:23:52	03:29:27	1196.0	4266.2	14.2	0.0	3546.2
12:24:02	03:29:37	1198.0	4267.4	14.2	0.0	3548.6
12:24:12	03:29:47	1198.0	4267.4	14.2	0.0	3550.8

12:24:22	03:29:57	1200.0	4269.4	14.2	0.0	3553.4
12:24:32	03:30:07	1200.0	4270.9	14.2	0.0	3555.8

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
12:24:42	03:30:17	1198.0	4268.2	14.2	0.0	3558.0
12:24:54	03:30:28	1222.0	4287.0	14.3	0.0	3560.8
12:25:04	03:30:38	1252.0	4290.1	15.0	0.0	3563.2
12:25:14	03:30:48	1252.0	4289.3	15.1	0.0	3565.8
12:25:24	03:30:58	1250.0	4288.1	15.0	0.0	3568.2
12:25:34	03:31:08	1250.0	4290.3	15.0	0.0	3570.8
12:26:52	03:32:27	1242.0	4227.8	14.8	0.0	3590.2
12:27:02	03:32:37	1244.0	4229.0	14.9	0.0	3592.4
12:27:12	03:32:47	1246.0	4231.0	14.9	0.0	3594.8
12:27:22	03:32:57	1246.0	4231.8	14.8	0.0	3597.4
12:27:32	03:33:07	1244.0	4230.7	14.8	0.0	3599.8
12:27:42	03:33:17	1246.0	4229.3	14.9	0.0	3602.4
12:27:52	03:33:27	1246.0	4231.0	14.9	0.0	3604.8
12:28:02	03:33:37	1248.0	4231.3	14.9	0.0	3607.4
12:28:12	03:33:47	1250.0	4231.6	14.9	0.0	3609.8
12:28:22	03:33:57	1250.0	4231.6	14.9	0.0	3612.4
12:28:32	03:34:07	1260.0	4236.5	15.1	0.0	3614.8
12:28:42	03:34:17	1260.0	4234.8	15.1	0.0	3617.4
12:28:52	03:34:27	1260.0	4235.7	15.1	0.0	3619.8
12:29:02	03:34:37	1260.0	4236.5	15.1	0.0	3622.4
12:29:12	03:34:47	1260.0	4234.8	15.1	0.0	3624.8
12:29:22	03:34:57	1260.0	4234.8	15.1	0.0	3627.4
12:29:32	03:35:07	1260.0	4234.8	15.1	0.0	3629.8
12:29:42	03:35:17	1260.0	4236.5	15.1	0.0	3632.4
12:29:52	03:35:27	1260.0	4236.5	15.1	0.0	3634.8
12:30:02	03:35:37	1260.0	4239.1	15.0	0.0	3637.6
12:30:12	03:35:47	1260.0	4234.0	15.1	0.0	3640.2
12:30:22	03:35:57	1260.0	4234.8	15.1	0.0	3642.8
12:30:32	03:36:07	1260.0	4231.4	15.2	0.0	3645.2
12:30:42	03:36:17	1260.0	4234.8	15.1	0.0	3647.8
12:30:52	03:36:27	1260.0	4234.8	15.1	0.0	3650.2
12:31:02	03:36:37	1260.0	4233.1	15.1	0.0	3652.8
12:31:12	03:36:47	1260.0	4233.1	15.1	0.0	3655.2
12:31:22	03:36:57	1260.0	4232.3	15.2	0.0	3657.8
12:31:32	03:37:07	1260.0	4234.0	15.1	0.0	3660.2
12:31:42	03:37:17	1260.0	4233.1	15.1	0.0	3662.8
12:31:52	03:37:27	1260.0	4233.1	15.1	0.0	3665.2
12:32:02	03:37:37	1260.0	4232.3	15.2	0.0	3667.8
12:32:12	03:37:47	1260.0	4234.8	15.1	0.0	3670.2
12:32:22	03:37:57	1260.0	4234.8	15.1	0.0	3672.8
12:32:32	03:38:07	1260.0	4235.7	15.1	0.0	3675.4
12:32:42	03:38:17	1260.0	4235.7	15.1	0.0	3677.8

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PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
12:32:52	03:38:27	1262.0	4235.1	15.1	0.0	3680.4
12:33:02	03:38:37	1260.0	4234.8	15.1	0.0	3682.8
12:33:12	03:38:47	1260.0	4234.8	15.1	0.0	3685.4
12:33:22	03:38:57	1260.0	4234.0	15.1	0.0	3687.8
12:33:32	03:39:07	1260.0	4235.7	15.1	0.0	3690.4
12:33:42	03:39:17	1260.0	4235.7	15.1	0.0	3692.8
12:33:52	03:39:27	1260.0	4235.7	15.1	0.0	3695.4
12:34:02	03:39:37	1260.0	4233.1	15.1	0.0	3698.0
12:34:12	03:39:47	1260.0	4234.0	15.1	0.0	3700.8
12:34:22	03:39:57	1260.0	4234.0	15.1	0.0	3703.2
12:34:32	03:40:07	1262.0	4238.5	15.1	0.0	3705.8

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
12:34:42	03:40:17	1260.0	4238.2	15.0	0.0	3708.2
12:34:52	03:40:27	1260.0	4234.8	15.1	0.0	3710.8
12:35:02	03:40:37	1266.0	4238.3	15.2	0.0	3713.2
12:35:12	03:40:47	1300.0	4255.3	15.6	0.0	3715.8
12:35:22	03:40:57	1324.0	4263.9	15.9	0.0	3718.4
12:35:32	03:41:07	1326.0	4259.0	16.1	0.0	3721.0
12:35:42	03:41:17	1326.0	4260.7	16.0	0.0	3723.8
12:35:52	03:41:27	1324.0	4259.6	16.0	0.0	3726.2
12:36:02	03:41:37	1324.0	4258.7	16.0	0.0	3729.0
12:36:12	03:41:47	1328.0	4263.6	16.0	0.0	3731.8
12:36:22	03:41:57	1330.0	4263.9	16.1	0.0	3734.2
12:36:32	03:42:07	1328.0	4264.4	16.0	0.0	3737.0
12:36:42	03:42:17	1328.0	4266.2	16.0	0.0	3739.8
12:36:52	03:42:27	1330.0	4266.4	16.0	0.0	3742.4
12:37:02	03:42:37	1330.0	4267.3	16.0	0.0	3745.2
12:37:12	03:42:47	1330.0	4267.3	16.0	0.0	3747.8
12:37:22	03:42:57	1330.0	4266.4	16.0	0.0	3750.4
12:37:32	03:43:07	1330.0	4263.0	16.1	0.0	3753.2
12:37:42	03:43:17	1330.0	4263.0	16.1	0.0	3755.8
12:37:52	03:43:27	1330.0	4263.9	16.1	0.0	3758.6
12:38:02	03:43:37	1330.0	4263.0	16.1	0.0	3761.2
12:38:12	03:43:47	1330.0	4263.0	16.1	0.0	3763.8
12:38:22	03:43:57	1330.0	4263.9	16.1	0.0	3766.6
12:38:32	03:44:07	1330.0	4263.0	16.1	0.0	3769.2
12:38:42	03:44:17	1330.0	4264.7	16.0	0.0	3771.8
12:38:52	03:44:27	1330.0	4264.7	16.0	0.0	3774.6
12:39:02	03:44:37	1330.0	4266.4	16.0	0.0	3777.2
12:39:12	03:44:47	1330.0	4265.6	16.0	0.0	3779.8
12:39:22	03:44:57	1330.0	4265.6	16.0	0.0	3782.8
12:39:32	03:45:07	1330.0	4266.4	16.0	0.0	3785.2
12:39:42	03:45:17	1330.0	4264.7	16.0	0.0	3787.8
12:39:52	03:45:27	1330.0	4266.4	16.0	0.0	3790.8
12:40:02	03:45:37	1330.0	4264.7	16.0	0.0	3793.2
12:40:12	03:45:47	1330.0	4265.6	16.0	0.0	3795.8
12:40:22	03:45:57	1330.0	4263.0	16.1	0.0	3798.8
12:40:32	03:46:07	1330.0	4263.9	16.1	0.0	3801.2
12:40:42	03:46:17	1330.0	4264.7	16.0	0.0	3803.8
12:40:52	03:46:27	1330.0	4263.0	16.1	0.0	3806.8
12:41:02	03:46:37	1330.0	4263.9	16.1	0.0	3809.2
12:41:12	03:46:47	1330.0	4264.7	16.0	0.0	3811.8
12:41:22	03:46:57	1330.0	4263.9	16.1	0.0	3814.8
12:41:32	03:47:07	1330.0	4263.0	16.1	0.0	3817.2

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PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
12:41:42	03:47:17	1330.0	4263.0	16.1	0.0	3820.0
12:41:52	03:47:27	1332.0	4267.6	16.0	0.0	3822.8
12:42:02	03:47:37	1330.0	4265.6	16.0	0.0	3825.2
12:42:12	03:47:47	1330.0	4264.7	16.0	0.0	3828.0
12:42:22	03:47:57	1330.0	4263.9	16.1	0.0	3830.8
12:42:32	03:48:07	1330.0	4263.0	16.1	0.0	3833.2
12:42:42	03:48:17	1330.0	4263.0	16.1	0.0	3836.0
12:42:52	03:48:27	1330.0	4264.7	16.0	0.0	3838.8
12:43:02	03:48:37	1330.0	4265.6	16.0	0.0	3841.2
12:43:12	03:48:47	1330.0	4267.3	16.0	0.0	3844.0
12:43:22	03:48:57	1330.0	4265.6	16.0	0.0	3846.8
12:43:32	03:49:07	1330.0	4265.6	16.0	0.0	3849.4
12:43:42	03:49:17	1330.0	4265.6	16.0	0.0	3852.0
12:43:52	03:49:27	1330.0	4266.4	16.0	0.0	3854.8
12:44:02	03:49:37	1330.0	4263.0	16.1	0.0	3857.4
12:44:12	03:49:47	1330.0	4263.0	16.1	0.0	3860.2
12:44:22	03:49:57	1330.0	4265.6	16.0	0.0	3862.8
12:44:32	03:50:07	1330.0	4266.4	16.0	0.0	3865.6
44:42	03:50:17	1330.0	4263.9	16.1	0.0	3868.2

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME JOBTIME SURFACE CALCULA TOTAL R INSTANT SLURRY

12:44:52	03:50:27	1332.0	4264.1	16.1	0.0	3870.8
12:45:02	03:50:37	1330.0	4262.1	16.1	0.0	3873.6
12:45:12	03:50:47	1344.0	4276.1	16.1	0.0	3876.2
12:45:22	03:50:57	1384.0	4291.1	16.7	0.0	3878.8
12:45:32	03:51:07	1394.0	4291.6	16.9	0.0	3881.8
12:45:42	03:51:17	1390.0	4285.9	16.9	0.0	3884.8

12:45:52	03:51:27	1390.0	4288.5	16.9	0.0	3887.2
12:46:02	03:51:37	1390.0	4291.9	16.8	0.0	3890.2
12:46:12	03:51:47	1384.0	4285.9	16.8	0.0	3893.0
12:46:22	03:51:57	1384.0	4286.8	16.8	0.0	3895.8
12:46:32	03:52:07	1384.0	4288.5	16.7	0.0	3898.8
12:46:42	03:52:17	1390.0	4290.2	16.8	0.0	3901.2

12:46:52	03:52:27	1394.0	4289.9	16.9	0.0	3904.2
12:47:02	03:52:37	1396.0	4293.6	16.9	0.0	3907.0
12:47:12	03:52:47	1400.0	4295.9	16.9	0.0	3909.8
12:47:22	03:52:57	1398.0	4291.3	17.0	0.0	3912.8
12:47:32	03:53:07	1400.0	4294.1	17.0	0.0	3915.6
12:47:42	03:53:17	1398.0	4293.0	17.0	0.0	3918.2

12:47:52	03:53:27	1400.0	4294.1	17.0	0.0	3921.2
12:48:02	03:53:37	1398.0	4291.3	17.0	0.0	3924.0
12:48:12	03:53:47	1400.0	4292.4	17.0	0.0	3926.8
12:48:22	03:53:57	1400.0	4293.3	17.0	0.0	3929.8
12:48:32	03:54:07	1400.0	4295.0	17.0	0.0	3932.8
12:48:42	03:54:17	1400.0	4294.1	17.0	0.0	3935.2

12:48:52	03:54:27	1400.0	4295.0	17.0	0.0	3938.2
12:49:02	03:54:37	1400.0	4298.5	16.9	0.0	3941.0
12:49:12	03:54:47	1400.0	4296.7	16.9	0.0	3943.8
12:49:22	03:54:57	1400.0	4294.1	17.0	0.0	3946.8
12:49:32	03:55:07	1400.0	4293.3	17.0	0.0	3949.6
12:49:42	03:55:17	1400.0	4296.7	16.9	0.0	3952.2

12:49:52	03:55:27	1400.0	4296.7	16.9	0.0	3955.2
12:50:02	03:55:37	1400.0	4296.7	16.9	0.0	3958.0
12:50:12	03:55:47	1400.0	4295.0	17.0	0.0	3960.8
12:50:22	03:55:57	1400.0	4294.1	17.0	0.0	3963.8
12:50:32	03:56:07	1400.0	4296.7	16.9	0.0	3966.6
12:50:42	03:56:17	1400.0	4295.0	17.0	0.0	3969.2

12:50:52	03:56:27	1400.0	4295.0	17.0	0.0	3972.2
12:51:02	03:56:37	1400.0	4295.0	17.0	0.0	3974.8
12:51:12	03:56:47	1400.0	4295.0	17.0	0.0	3977.8
12:51:22	03:56:57	1400.0	4294.1	17.0	0.0	3980.8
12:51:32	03:57:07	1400.0	4295.0	17.0	0.0	3983.6
12:51:42	03:57:17	1400.0	4293.3	17.0	0.0	3986.2

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PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
12:51:52	03:57:27	1400.0	4294.1	17.0	0.0	3989.2
12:52:02	03:57:37	1400.0	4295.0	17.0	0.0	3991.8
12:52:12	03:57:47	1400.0	4295.0	17.0	0.0	3994.8
12:52:22	03:57:57	1400.0	4295.0	17.0	0.0	3997.8
12:52:32	03:58:07	1400.0	4295.0	17.0	0.0	4000.6
12:52:42	03:58:17	1400.0	4293.3	17.0	0.0	4003.2
12:52:52	03:58:27	1400.0	4295.0	17.0	0.0	4006.0
12:53:02	03:58:37	1400.0	4298.5	16.9	0.0	4008.8
12:53:12	03:58:47	1400.0	4296.7	16.9	0.0	4011.8
12:53:22	03:58:57	1400.0	4295.9	16.9	0.0	4014.8
12:53:32	03:59:07	1400.0	4295.9	16.9	0.0	4017.2
12:53:42	03:59:17	1400.0	4295.9	16.9	0.0	4020.2
12:53:52	03:59:27	1400.0	4295.0	17.0	0.0	4023.0
12:54:02	03:59:37	1400.0	4294.1	17.0	0.0	4025.8
12:54:12	03:59:47	1400.0	4293.3	17.0	0.0	4028.8

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME JOBTIME SURFACE CALCULA TOTAL R INSTANT SLURRY

12:54:22	03:59:57	1400.0	4295.9	16.9	0.0	4031.8
12:54:32	04:00:07	1402.0	4294.4	17.0	0.0	4034.2
12:54:42	04:00:17	1406.0	4298.4	17.0	0.0	4037.2
12:54:52	04:00:27	1426.0	4305.3	17.3	0.0	4040.0
12:55:02	04:00:37	1448.0	4320.3	17.5	0.0	4042.8
12:55:12	04:00:47	1470.0	4331.0	17.7	0.0	4045.8

12:55:22	04:00:57	1480.0	4327.8	18.0	0.0	4048.8
12:55:32	04:01:07	1480.0	4330.4	18.0	0.0	4051.8
12:55:42	04:01:17	1480.0	4330.4	18.0	0.0	4054.8
12:55:52	04:01:27	1480.0	4329.6	18.0	0.0	4057.8
12:56:02	04:01:37	1480.0	4328.7	18.0	0.0	4060.8
12:56:12	04:01:47	1480.0	4329.6	18.0	0.0	4063.8

12:56:22	04:01:57	1480.0	4330.4	18.0	0.0	4066.8
12:56:32	04:02:07	1480.0	4329.6	18.0	0.0	4069.8
12:56:42	04:02:17	1480.0	4327.8	18.0	0.0	4072.8
12:56:52	04:02:27	1484.0	4333.6	18.0	0.0	4075.8
12:57:02	04:02:37	1480.0	4331.3	18.0	0.0	4078.8
12:57:12	04:02:47	1484.0	4334.4	18.0	0.0	4081.8

12:57:22	04:02:57	1482.0	4331.6	18.0	0.0	4084.8
12:57:32	04:03:07	1480.0	4330.4	18.0	0.0	4087.8
12:57:42	04:03:17	1488.0	4338.4	18.0	0.0	4090.8
12:57:52	04:03:27	1484.0	4334.4	18.0	0.0	4093.8
12:58:02	04:03:37	1486.0	4335.6	18.0	0.0	4096.8
12:58:12	04:03:47	1488.0	4337.6	18.0	0.0	4099.8

12:58:22	04:03:57	1486.0	4335.6	18.0	0.0	4102.8
12:58:32	04:04:07	1488.0	4334.1	18.1	0.0	4105.8
12:58:42	04:04:17	1490.0	4338.7	18.0	0.0	4108.8
12:58:52	04:04:27	1490.0	4338.7	18.0	0.0	4111.8
12:59:02	04:04:37	1490.0	4339.6	18.0	0.0	4114.8
12:59:12	04:04:47	1490.0	4338.7	18.0	0.0	4118.0

12:59:22	04:04:57	1490.0	4338.7	18.0	0.0	4120.8
12:59:32	04:05:07	1490.0	4337.8	18.0	0.0	4123.8
12:59:42	04:05:17	1490.0	4339.6	18.0	0.0	4126.8
12:59:52	04:05:27	1490.0	4339.6	18.0	0.0	4130.0
01:00:02	04:05:37	1490.0	4337.8	18.0	0.0	4132.8
01:00:12	04:05:47	1488.0	4337.6	18.0	0.0	4135.8

01:00:22	04:05:57	1490.0	4341.3	18.0	0.0	4139.0
01:00:32	04:06:07	1490.0	4339.6	18.0	0.0	4142.0
01:00:42	04:06:17	1488.0	4337.6	18.0	0.0	4144.8
01:00:52	04:06:27	1490.0	4338.7	18.0	0.0	4148.0
01:01:02	04:06:37	1490.0	4336.9	18.1	0.0	4151.0
01:01:12	04:06:47	1490.0	4340.4	18.0	0.0	4154.0

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
01:01:22	04:06:57	1490.0	4338.7	18.0	0.0	4156.8
01:01:32	04:07:07	1490.0	4337.8	18.0	0.0	4160.0
01:01:42	04:07:17	1490.0	4338.7	18.0	0.0	4163.0
01:01:52	04:07:27	1490.0	4338.7	18.0	0.0	4166.0
01:02:02	04:07:37	1490.0	4338.7	18.0	0.0	4169.0
01:02:12	04:07:47	1490.0	4338.7	18.0	0.0	4172.0
01:02:22	04:07:57	1490.0	4340.4	18.0	0.0	4175.0
01:02:32	04:08:07	1490.0	4338.7	18.0	0.0	4178.0
01:02:42	04:08:17	1490.0	4340.4	18.0	0.0	4181.0
01:02:52	04:08:27	1490.0	4338.7	18.0	0.0	4184.0
01:03:02	04:08:37	1490.0	4339.6	18.0	0.0	4187.0
01:03:12	04:08:47	1490.0	4341.3	18.0	0.0	4190.0
01:03:22	04:08:57	1490.0	4340.4	18.0	0.0	4193.0
01:03:32	04:09:07	1490.0	4338.7	18.0	0.0	4196.0
01:03:42	04:09:17	1490.0	4341.3	18.0	0.0	4199.0
01:03:52	04:09:27	1490.0	4338.7	18.0	0.0	4202.0
01:04:02	04:09:37	1490.0	4337.8	18.0	0.0	4205.0
01:04:12	04:09:47	1490.0	4337.8	18.0	0.0	4208.0
01:04:22	04:09:57	1490.0	4340.4	18.0	0.0	4211.0

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
01:04:32	04:10:07	1490.0	4338.7	18.0	0.0	4214.2
01:04:42	04:10:17	1516.0	4356.8	18.2	0.0	4217.0
01:04:52	04:10:27	1546.0	4364.7	18.7	0.0	4220.0
01:05:02	04:10:37	1556.0	4360.5	19.0	0.0	4223.4
01:05:12	04:10:47	1558.0	4358.1	19.1	0.0	4226.4
01:05:22	04:10:57	1558.0	4358.1	19.1	0.0	4229.8
01:05:32	04:11:07	1560.0	4356.5	19.2	0.0	4233.0
01:05:42	04:11:17	1560.0	4359.2	19.1	0.0	4236.0
01:05:52	04:11:27	1560.0	4357.4	19.2	0.0	4239.2
01:06:02	04:11:37	1560.0	4360.1	19.1	0.0	4242.4
01:06:12	04:11:47	1560.0	4355.6	19.2	0.0	4245.8
01:06:22	04:11:57	1560.0	4357.4	19.2	0.0	4248.8
01:06:32	04:12:07	1560.0	4360.1	19.1	0.0	4252.0
01:06:42	04:12:17	1560.0	4362.7	19.1	0.0	4255.2
01:06:52	04:12:27	1560.0	4360.9	19.1	0.0	4258.4
01:07:02	04:12:37	1560.0	4359.2	19.1	0.0	4261.8
01:07:12	04:12:47	1560.0	4360.1	19.1	0.0	4264.8
01:07:22	04:12:57	1560.0	4358.3	19.2	0.0	4268.0
01:07:32	04:13:07	1560.0	4360.1	19.1	0.0	4271.2
01:07:42	04:13:17	1560.0	4359.2	19.1	0.0	4274.4
01:07:52	04:13:27	1560.0	4357.4	19.2	0.0	4277.6
01:08:02	04:13:37	1560.0	4358.3	19.2	0.0	4280.8
01:08:12	04:13:47	1560.0	4358.3	19.2	0.0	4284.0
01:08:22	04:13:57	1560.0	4355.6	19.2	0.0	4287.0
01:08:32	04:14:07	1560.0	4358.3	19.2	0.0	4290.4
01:08:42	04:14:17	1560.0	4357.4	19.2	0.0	4293.6
01:08:52	04:14:27	1560.0	4358.3	19.2	0.0	4296.8
01:09:02	04:14:37	1560.0	4360.1	19.1	0.0	4300.0
01:09:12	04:14:47	1560.0	4360.1	19.1	0.0	4303.0
01:09:22	04:14:57	1560.0	4354.7	19.2	0.0	4306.4
01:09:32	04:15:07	1560.0	4356.5	19.2	0.0	4309.6
01:09:42	04:15:17	1560.0	4359.2	19.1	0.0	4312.8
01:09:52	04:15:27	1560.0	4358.3	19.2	0.0	4315.8
01:10:02	04:15:37	1560.0	4358.3	19.2	0.0	4319.0
01:10:12	04:15:47	1560.0	4359.2	19.1	0.0	4322.4
01:10:22	04:15:57	1560.0	4362.7	19.1	0.0	4325.4
01:10:32	04:16:07	1560.0	4356.5	19.2	0.0	4328.8
01:10:42	04:16:17	1560.0	4360.1	19.1	0.0	4331.8
01:10:52	04:16:27	1560.0	4360.9	19.1	0.0	4335.0
01:11:02	04:16:37	1560.0	4360.9	19.1	0.0	4338.2
01:11:12	04:16:47	1560.0	4359.2	19.1	0.0	4341.4
01:11:22	04:16:57	1560.0	4360.9	19.1	0.0	4344.8

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
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01:11:32	04:17:07	1560.0	4360.1	19.1	0.0	4347.8
01:11:42	04:17:17	1560.0	4360.1	19.1	0.0	4351.0
01:11:52	04:17:27	1560.0	4360.9	19.1	0.0	4354.2
01:12:02	04:17:37	1560.0	4358.3	19.2	0.0	4357.4
01:12:12	04:17:47	1560.0	4359.2	19.1	0.0	4360.6
01:12:22	04:17:57	1560.0	4359.2	19.1	0.0	4363.8

01:12:32	04:18:07	1560.0	4358.3	19.2	0.0	4366.8
01:12:42	04:18:17	1560.0	4359.2	19.1	0.0	4370.0
01:12:52	04:18:27	1560.0	4360.9	19.1	0.0	4373.4
01:13:02	04:18:37	1560.0	4360.1	19.1	0.0	4376.4
01:13:12	04:18:47	1560.0	4360.1	19.1	0.0	4379.8
01:13:22	04:18:57	1560.0	4361.8	19.1	0.0	4382.8

01:13:32	04:19:07	1560.0	4359.2	19.1	0.0	4386.0
01:13:42	04:19:17	1560.0	4360.1	19.1	0.0	4389.2
01:13:52	04:19:27	1560.0	4359.2	19.1	0.0	4392.4
01:14:02	04:19:37	1560.0	4360.9	19.1	0.0	4395.8
01:14:12	04:19:47	1560.0	4361.8	19.1	0.0	4398.8
01:14:22	04:19:57	1560.0	4360.9	19.1	0.0	4402.0

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PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME JOBTIME SURFACE CALCULA TOTAL R INSTANT SLURRY

01:14:32	04:20:07	1560.0	4361.8	19.1	0.0	4405.2
01:14:42	04:20:17	1560.0	4360.9	19.1	0.0	4408.4
01:14:52	04:20:27	1560.0	4359.2	19.1	0.0	4411.6
01:15:02	04:20:37	1560.0	4360.9	19.1	0.0	4414.8
01:15:12	04:20:47	1560.0	4357.4	19.2	0.0	4418.0
01:15:22	04:20:57	1560.0	4360.1	19.1	0.0	4421.0

01:15:32	04:21:07	1560.0	4352.9	19.3	0.0	4424.4
01:15:42	04:21:17	1560.0	4358.3	19.2	0.0	4427.6
01:15:52	04:21:27	1560.0	4357.4	19.2	0.0	4430.8
01:16:04	04:21:38	1562.0	4357.6	19.2	0.0	4434.4
01:16:14	04:21:48	1560.0	4357.4	19.2	0.0	4437.8
01:16:24	04:21:58	1582.0	4372.3	19.3	0.0	4441.0

01:16:34	04:22:08	1754.0	4466.9	21.1	0.0	4444.4
01:16:44	04:22:18	1602.0	4352.0	20.2	0.0	4447.8
01:16:54	04:22:28	1598.0	4384.7	19.4	0.0	4451.0
01:17:04	04:22:38	1624.0	4387.4	19.9	0.0	4454.4
01:17:14	04:22:48	1630.0	4391.6	20.0	0.0	4457.8
01:17:24	04:22:58	1632.0	4392.7	20.0	0.0	4461.0

01:17:34	04:23:08	1632.0	4391.8	20.0	0.0	4464.4
01:19:00	04:24:35	1570.0	4368.3	19.2	0.0	4492.6
01:19:10	04:24:45	1570.0	4366.5	19.2	0.0	4496.0
01:19:20	04:24:55	1570.0	4365.6	19.2	0.0	4499.2
01:19:30	04:25:05	1570.0	4364.7	19.2	0.0	4502.4
01:19:40	04:25:15	1570.0	4368.3	19.2	0.0	4505.6

01:19:50	04:25:25	1570.0	4367.4	19.2	0.0	4508.8
01:20:00	04:25:35	1570.0	4368.3	19.2	0.0	4512.0
01:20:10	04:25:45	1570.0	4366.5	19.2	0.0	4515.0
01:20:20	04:25:55	1570.0	4366.5	19.2	0.0	4518.4
01:20:30	04:26:05	1570.0	4366.5	19.2	0.0	4521.6
01:20:40	04:26:15	1570.0	4367.4	19.2	0.0	4524.8

01:20:50	04:26:25	1570.0	4367.4	19.2	0.0	4528.0
01:21:00	04:26:35	1570.0	4370.9	19.1	0.0	4531.0
01:21:10	04:26:45	1636.0	4409.3	19.7	0.0	4534.4
01:21:20	04:26:55	1670.0	4411.9	20.4	0.0	4537.8
01:21:30	04:27:05	1670.0	4434.3	19.9	0.0	4541.0
01:21:40	04:27:15	1672.0	4432.7	20.0	0.0	4544.4

01:21:50	04:27:25	1674.0	4426.7	20.2	0.0	4547.8
01:22:00	04:27:35	1672.0	4423.8	20.2	0.0	4551.0
01:22:10	04:27:45	1672.0	4424.7	20.2	0.0	4554.6
01:22:20	04:27:55	1674.0	4428.5	20.1	0.0	4557.8
01:22:30	04:28:05	1676.0	4430.5	20.1	0.0	4561.4
01:22:40	04:28:15	1674.0	4426.7	20.2	0.0	4564.6

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
01:22:50	04:28:25	1676.0	4426.9	20.2	0.0	4568.0
01:23:00	04:28:35	1680.0	4431.8	20.2	0.0	4571.4
01:23:10	04:28:45	1680.0	4430.9	20.2	0.0	4574.8
01:23:20	04:28:55	1680.0	4431.8	20.2	0.0	4578.0
01:23:30	04:29:05	1680.0	4432.7	20.2	0.0	4581.4
01:23:40	04:29:15	1680.0	4431.8	20.2	0.0	4584.8
01:23:50	04:29:25	1680.0	4431.8	20.2	0.0	4588.0
01:24:00	04:29:35	1680.0	4431.8	20.2	0.0	4591.6
01:24:10	04:29:45	1680.0	4430.9	20.2	0.0	4595.0
01:24:20	04:29:55	1680.0	4432.7	20.2	0.0	4598.4
01:24:31	04:30:06	1680.0	4430.0	20.2	0.0	4601.8

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
01:24:42	04:30:17	1682.0	4432.9	20.2	0.0	4605.6
01:24:52	04:30:27	1682.0	4433.8	20.2	0.0	4609.0
01:25:02	04:30:37	1680.0	4431.8	20.2	0.0	4612.4
01:25:12	04:30:47	1794.0	4509.6	21.0	0.0	4616.0
01:25:22	04:30:57	1826.0	4488.8	22.2	0.0	4619.4
01:25:32	04:31:07	1794.0	4484.2	21.6	0.0	4623.2
01:25:42	04:31:17	1768.0	4467.3	21.4	0.0	4626.8
01:25:52	04:31:27	1724.0	4446.0	20.9	0.0	4630.4
01:26:02	04:31:37	1722.0	4447.6	20.8	0.0	4633.8
01:26:12	04:31:47	1720.0	4448.3	20.7	0.0	4637.2
01:26:22	04:31:57	1722.0	4452.1	20.7	0.0	4640.6
01:26:32	04:32:07	1756.0	4472.6	21.0	0.0	4644.2
01:26:42	04:32:17	1760.0	4470.2	21.1	0.0	4647.8
01:26:52	04:32:27	1760.0	4468.4	21.2	0.0	4651.2
01:27:02	04:32:37	1760.0	4471.1	21.1	0.0	4654.8
01:27:12	04:32:47	1760.0	4469.3	21.1	0.0	4658.4
01:27:22	04:32:57	1760.0	4471.1	21.1	0.0	4661.8
01:27:32	04:33:07	1760.0	4471.1	21.1	0.0	4665.4
01:27:42	04:33:17	1760.0	4469.3	21.1	0.0	4668.8
01:27:52	04:33:27	1760.0	4470.2	21.1	0.0	4672.4
01:28:02	04:33:37	1760.0	4472.0	21.1	0.0	4676.0
01:28:12	04:33:47	1760.0	4472.0	21.1	0.0	4679.4
01:28:22	04:33:57	1760.0	4472.0	21.1	0.0	4683.0
01:28:32	04:34:07	1760.0	4471.1	21.1	0.0	4686.4
01:28:42	04:34:17	1766.0	4472.6	21.2	0.0	4690.0
01:28:52	04:34:27	1766.0	4473.5	21.2	0.0	4693.4
01:29:02	04:34:37	1768.0	4476.4	21.2	0.0	4697.0
01:29:12	04:34:47	1764.0	4471.5	21.2	0.0	4700.4
01:29:22	04:34:57	1764.0	4475.1	21.1	0.0	4704.0
01:29:32	04:35:07	1766.0	4475.3	21.1	0.0	4707.6
01:29:42	04:35:17	1766.0	4475.3	21.1	0.0	4711.2
01:29:52	04:35:27	1762.0	4469.5	21.2	0.0	4714.6
01:30:02	04:35:37	1766.0	4477.1	21.1	0.0	4718.2
01:30:12	04:35:47	1766.0	4476.2	21.1	0.0	4721.8
01:30:22	04:35:57	1766.0	4473.5	21.2	0.0	4725.2
01:30:32	04:36:07	1768.0	4476.4	21.2	0.0	4728.8
01:30:42	04:36:17	1768.0	4475.5	21.2	0.0	4732.4
01:30:52	04:36:27	1770.0	4478.4	21.2	0.0	4735.8
01:31:02	04:36:37	1770.0	4478.4	21.2	0.0	4739.4
01:31:12	04:36:47	1770.0	4479.3	21.1	0.0	4743.0
01:31:22	04:36:57	1770.0	4479.3	21.1	0.0	4746.4
01:31:32	04:37:07	1770.0	4480.2	21.1	0.0	4750.0

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
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01:31:42	04:37:17	1770.0	4479.3	21.1	0.0	4753.4
01:31:52	04:37:27	1770.0	4478.4	21.2	0.0	4757.0
01:32:02	04:37:37	1768.0	4476.4	21.2	0.0	4760.4
01:32:12	04:37:47	1768.0	4480.0	21.1	0.0	4764.0
01:32:22	04:37:57	1770.0	4481.1	21.1	0.0	4767.6
01:32:32	04:38:07	1770.0	4480.2	21.1	0.0	4771.0

01:32:42	04:38:17	1770.0	4479.3	21.1	0.0	4774.6
01:32:52	04:38:27	1770.0	4480.2	21.1	0.0	4778.2
01:33:02	04:38:37	1770.0	4478.4	21.2	0.0	4781.8
01:33:12	04:38:47	1770.0	4481.1	21.1	0.0	4785.2
01:33:22	04:38:57	1768.0	4475.5	21.2	0.0	4788.8
01:33:32	04:39:07	1770.0	4481.1	21.1	0.0	4792.2

01:33:42	04:39:17	1770.0	4479.3	21.1	0.0	4795.8
01:33:52	04:39:27	1770.0	4479.3	21.1	0.0	4799.4
01:34:02	04:39:37	1770.0	4481.1	21.1	0.0	4803.0
01:34:12	04:39:47	1770.0	4477.5	21.2	0.0	4806.4
01:34:25	04:39:59	1770.0	4479.3	21.1	0.0	4810.2

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL	R	INSTANT	SLURRY
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01:34:34	04:40:09	1770.0	4478.4	21.2	0.0	4814.2
01:34:44	04:40:19	1786.0	4488.9	21.3	0.0	4817.8
01:34:54	04:40:29	1854.0	4529.6	21.9	0.0	4821.4
01:35:04	04:40:39	1882.0	4530.1	22.5	0.0	4825.0
01:35:14	04:40:49	1826.0	4496.1	22.0	0.0	4828.8
01:35:24	04:40:59	1824.0	4506.0	21.7	0.0	4832.4

01:35:34	04:41:09	1828.0	4508.2	21.8	0.0	4836.0
01:35:44	04:41:19	1830.0	4508.3	21.8	0.0	4839.8
01:35:54	04:41:29	1830.0	4507.4	21.8	0.0	4843.4
01:36:04	04:41:39	1830.0	4506.5	21.9	0.0	4846.8
01:36:16	04:41:51	1850.0	4517.4	22.1	0.0	4850.8
01:36:26	04:42:01	1850.0	4517.4	22.1	0.0	4855.0

01:36:36	04:42:11	1850.0	4516.5	22.1	0.0	4858.6
01:38:08	04:43:43	992.0	4165.7	10.2	0.0	4889.0
01:38:18	04:43:53	1046.0	4228.3	10.0	0.0	4890.6
01:38:28	04:44:03	1114.0	4228.8	11.7	0.0	4892.4
01:38:38	04:44:13	1118.0	4208.5	12.3	0.0	4894.4
01:38:48	04:44:23	1114.0	4213.4	12.1	0.0	4896.4

01:38:58	04:44:33	1118.0	4221.5	12.0	0.0	4898.4
01:39:08	04:44:43	1112.0	4215.5	12.0	0.0	4900.4
01:39:18	04:44:53	1114.0	4215.0	12.1	0.0	4902.4
01:39:28	04:45:03	1332.0	4369.0	13.6	0.0	4904.4
01:39:38	04:45:13	1574.0	4400.7	18.5	0.0	4907.2
01:39:48	04:45:23	1586.0	4392.3	19.0	0.0	4910.4

01:39:58	04:45:33	1800.0	4540.1	20.5	0.0	4913.6
01:40:08	04:45:43	1932.0	4566.3	22.8	0.0	4917.2
01:40:18	04:45:53	1886.0	4534.1	22.5	0.0	4921.0
01:40:28	04:46:03	1828.0	4517.3	21.6	0.0	4924.8
01:40:38	04:46:13	1836.0	4524.4	21.6	0.0	4928.4
01:40:48	04:46:23	1890.0	4559.2	22.0	0.0	4932.0

01:40:58	04:46:33	1910.0	4563.6	22.4	0.0	4935.6
01:41:08	04:46:43	1918.0	4568.0	22.4	0.0	4939.4
01:41:18	04:46:53	1922.0	4570.1	22.5	0.0	4943.2
01:41:28	04:47:03	1918.0	4566.1	22.5	0.0	4947.0
01:41:38	04:47:13	1872.0	4543.9	22.0	0.0	4950.6
01:41:48	04:47:23	1860.0	4542.9	21.7	0.0	4954.2

01:41:58	04:47:33	1884.0	4561.4	21.8	0.0	4958.0
01:42:08	04:47:43	1912.0	4573.0	22.2	0.0	4961.6
01:42:18	04:47:53	1918.0	4586.3	22.0	0.0	4965.2
01:42:28	04:48:03	1920.0	4588.3	22.0	0.0	4969.0
01:42:38	04:48:13	1920.0	4587.4	22.1	0.0	4972.6
01:42:48	04:48:23	1920.0	4590.1	22.0	0.0	4976.2

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PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
01:42:58	04:48:33	1920.0	4591.0	22.0	0.0	4980.0
01:43:08	04:48:43	1920.0	4591.9	22.0	0.0	4983.6
01:43:18	04:48:53	1920.0	4591.0	22.0	0.0	4987.2
01:43:28	04:49:03	1920.0	4589.2	22.0	0.0	4991.0
01:43:38	04:49:13	1920.0	4590.1	22.0	0.0	4994.6
01:43:48	04:49:23	1920.0	4589.2	22.0	0.0	4998.2
01:43:58	04:49:33	1920.0	4587.4	22.1	0.0	5002.0
01:44:08	04:49:43	1920.0	4590.1	22.0	0.0	5005.8
01:44:18	04:49:53	1920.0	4590.1	22.0	0.0	5009.2
01:44:28	04:50:03	1920.0	4589.2	22.0	0.0	5013.0

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PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
01:44:38	04:50:13	1920.0	4590.1	22.0	0.0	5016.8
01:44:48	04:50:23	1920.0	4590.1	22.0	0.0	5020.4
01:44:58	04:50:33	1932.0	4599.4	22.1	0.0	5024.0
01:45:08	04:50:43	1980.0	4622.6	22.6	0.0	5027.8
01:45:18	04:50:53	1982.0	4620.0	22.7	0.0	5031.6
01:45:28	04:51:03	2030.0	4652.3	23.0	0.0	5035.4
01:45:38	04:51:13	2028.0	4648.5	23.1	0.0	5039.2
01:45:48	04:51:23	2040.0	4654.9	23.2	0.0	5043.0
01:45:58	04:51:33	2046.0	4652.6	23.4	0.0	5047.0
01:46:08	04:51:43	2050.0	4656.6	23.4	0.0	5051.0
01:46:18	04:51:53	2050.0	4658.5	23.3	0.0	5054.8
01:46:28	04:52:03	2048.0	4655.5	23.4	0.0	5058.6
01:46:38	04:52:13	2050.0	4655.7	23.4	0.0	5062.4
01:46:48	04:52:23	2050.0	4657.5	23.4	0.0	5066.4
01:46:58	04:52:33	2050.0	4660.3	23.3	0.0	5070.2
01:47:08	04:52:43	2050.0	4660.3	23.3	0.0	5074.2
01:47:18	04:52:53	2046.0	4654.5	23.3	0.0	5078.2
01:47:28	04:53:03	2048.0	4657.4	23.3	0.0	5082.0
01:47:38	04:53:13	2050.0	4661.2	23.3	0.0	5086.0
01:47:48	04:53:23	2050.0	4660.3	23.3	0.0	5089.8
01:47:58	04:53:33	2050.0	4660.3	23.3	0.0	5093.6
01:48:08	04:53:43	2050.0	4660.3	23.3	0.0	5097.4
01:48:18	04:53:53	2050.0	4659.4	23.3	0.0	5101.4
01:48:28	04:54:03	2050.0	4659.4	23.3	0.0	5105.2
01:48:38	04:54:13	2050.0	4660.3	23.3	0.0	5109.2
01:48:48	04:54:23	2050.0	4658.5	23.3	0.0	5113.2
01:48:58	04:54:33	2050.0	4657.5	23.4	0.0	5117.0
01:49:08	04:54:43	2050.0	4657.5	23.4	0.0	5121.0
01:49:18	04:54:53	2050.0	4659.4	23.3	0.0	5124.6
01:49:28	04:55:03	2050.0	4659.4	23.3	0.0	5128.6
01:49:38	04:55:13	2050.0	4658.5	23.3	0.0	5132.4
01:49:48	04:55:23	2050.0	4659.4	23.3	0.0	5136.4
01:49:58	04:55:33	2052.0	4662.3	23.3	0.0	5140.2
01:50:08	04:55:43	2050.0	4661.2	23.3	0.0	5144.2
01:50:18	04:55:53	2052.0	4660.5	23.3	0.0	5148.2
01:50:28	04:56:03	2054.0	4663.4	23.3	0.0	5152.0
01:50:38	04:56:13	2050.0	4660.3	23.3	0.0	5156.0
01:50:48	04:56:23	2050.0	4660.3	23.3	0.0	5159.6
01:50:58	04:56:33	2050.0	4660.3	23.3	0.0	5163.6
01:51:08	04:56:43	2050.0	4660.3	23.3	0.0	5167.4
01:51:18	04:56:53	2052.0	4662.3	23.3	0.0	5171.4
01:51:28	04:57:03	2050.0	4660.3	23.3	0.0	5175.2

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
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01:51:38	04:57:13	2052.0	4663.2	23.3	0.0	5179.2
01:51:48	04:57:23	2052.0	4664.2	23.3	0.0	5183.2
01:51:58	04:57:33	2050.0	4662.2	23.3	0.0	5187.0
01:52:08	04:57:43	2052.0	4664.2	23.3	0.0	5191.0
01:52:18	04:57:53	2054.0	4667.1	23.2	0.0	5194.6
01:52:28	04:58:03	2052.0	4664.2	23.3	0.0	5198.6

01:52:38	04:58:13	2054.0	4664.3	23.3	0.0	5202.4
01:52:48	04:58:23	2054.0	4663.4	23.3	0.0	5206.2
01:52:58	04:58:33	2052.0	4663.2	23.3	0.0	5210.2
01:53:08	04:58:43	2058.0	4670.2	23.3	0.0	5214.2
01:53:18	04:58:53	2058.0	4668.3	23.3	0.0	5218.0
01:53:28	04:59:03	2060.0	4672.2	23.3	0.0	5222.0

01:53:38	04:59:13	2058.0	4670.2	23.3	0.0	5225.6
01:53:48	04:59:23	2060.0	4672.2	23.3	0.0	5229.6
01:53:58	04:59:33	2060.0	4671.2	23.3	0.0	5233.4
01:54:08	04:59:43	2060.0	4671.2	23.3	0.0	5237.4
01:54:18	04:59:53	2060.0	4673.1	23.2	0.0	5241.2

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
01:54:29	05:00:03	2060.0	4671.2	23.3	0.0	5245.2
01:54:38	05:00:13	2060.0	4671.2	23.3	0.0	5249.2
01:54:48	05:00:23	2066.0	4675.4	23.3	0.0	5253.0
01:54:58	05:00:33	2116.0	4703.1	23.8	0.0	5257.0
01:55:08	05:00:43	2126.0	4705.7	24.0	0.0	5261.0
01:55:18	05:00:53	2130.0	4705.0	24.1	0.0	5265.0
01:55:28	05:01:03	2130.0	4707.8	24.0	0.0	5269.0
01:55:38	05:01:13	2130.0	4707.8	24.0	0.0	5273.0
01:55:48	05:01:23	2130.0	4706.9	24.0	0.0	5277.0
01:55:58	05:01:33	2130.0	4707.8	24.0	0.0	5281.0
01:56:08	05:01:43	2130.0	4707.8	24.0	0.0	5284.8
01:56:18	05:01:53	2130.0	4707.8	24.0	0.0	5289.0
01:56:28	05:02:03	2130.0	4709.7	24.0	0.0	5293.0
01:56:38	05:02:13	2130.0	4708.8	24.0	0.0	5296.8
01:56:48	05:02:23	2130.0	4711.6	23.9	0.0	5301.0
01:56:58	05:02:33	2130.0	4710.6	23.9	0.0	5304.8
01:57:08	05:02:43	2130.0	4707.8	24.0	0.0	5308.8
01:57:18	05:02:53	2130.0	4708.8	24.0	0.0	5313.0
01:57:28	05:03:03	2130.0	4707.8	24.0	0.0	5317.0
01:57:38	05:03:13	2130.0	4706.9	24.0	0.0	5321.0
01:57:48	05:03:23	2130.0	4709.7	24.0	0.0	5325.0
01:57:58	05:03:33	2130.0	4712.5	23.9	0.0	5329.0
01:58:08	05:03:43	2136.0	4713.8	24.0	0.0	5333.0
01:58:18	05:03:53	2132.0	4711.7	24.0	0.0	5337.0
01:58:28	05:04:03	2130.0	4710.6	23.9	0.0	5341.0
01:58:38	05:04:13	2130.0	4709.7	24.0	0.0	5345.0
01:58:48	05:04:23	2134.0	4715.6	23.9	0.0	5349.0
01:58:58	05:04:33	2132.0	4714.5	23.9	0.0	5352.8
01:59:08	05:04:43	2134.0	4713.7	24.0	0.0	5356.8
01:59:18	05:04:53	2138.0	4716.8	24.0	0.0	5360.8
01:59:28	05:05:03	2134.0	4711.8	24.0	0.0	5365.0
01:59:38	05:05:13	2136.0	4712.0	24.0	0.0	5368.8
01:59:48	05:05:23	2136.0	4712.9	24.0	0.0	5372.8
01:59:58	05:05:33	2138.0	4714.9	24.0	0.0	5377.0
02:00:08	05:05:43	2138.0	4714.9	24.0	0.0	5380.8
02:00:18	05:05:53	2138.0	4714.9	24.0	0.0	5385.0
02:00:28	05:06:03	2138.0	4715.8	24.0	0.0	5389.0
02:00:38	05:06:13	2140.0	4719.7	24.0	0.0	5393.0
02:00:48	05:06:23	2140.0	4718.8	24.0	0.0	5397.0
02:00:58	05:06:33	2140.0	4721.6	23.9	0.0	5401.0
02:01:08	05:06:43	2140.0	4717.8	24.0	0.0	5404.8
02:01:18	05:06:53	2140.0	4717.8	24.0	0.0	5409.0

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PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
02:01:28	05:07:03	2140.0	4719.7	24.0	0.0	5413.0
02:01:38	05:07:13	2138.0	4716.8	24.0	0.0	5417.0
02:01:48	05:07:23	2140.0	4719.7	24.0	0.0	5421.0
02:01:58	05:07:33	2140.0	4717.8	24.0	0.0	5425.0
02:02:08	05:07:43	2140.0	4718.8	24.0	0.0	5429.0
02:02:18	05:07:53	2140.0	4718.8	24.0	0.0	5433.0
02:02:28	05:08:03	2140.0	4717.8	24.0	0.0	5437.0
02:02:38	05:08:13	2140.0	4718.8	24.0	0.0	5441.0
02:02:48	05:08:23	2140.0	4717.8	24.0	0.0	5445.0
02:02:58	05:08:33	2140.0	4717.8	24.0	0.0	5449.0
02:03:08	05:08:43	2140.0	4717.8	24.0	0.0	5453.0
02:03:18	05:08:53	2140.0	4717.8	24.0	0.0	5457.0
02:03:28	05:09:03	2140.0	4716.9	24.0	0.0	5461.0
02:03:38	05:09:13	2140.0	4718.8	24.0	0.0	5465.0
02:03:48	05:09:23	2140.0	4720.6	23.9	0.0	5469.0
02:03:58	05:09:33	2140.0	4717.8	24.0	0.0	5473.0
02:04:08	05:09:43	2140.0	4717.8	24.0	0.0	5477.0
02:04:18	05:09:53	2140.0	4719.7	24.0	0.0	5481.0

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
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02:04:28	05:10:03	2140.0	4715.0	24.1	0.0	5485.0
02:04:38	05:10:13	2140.0	4716.9	24.0	0.0	5489.0
02:04:48	05:10:23	2158.0	4730.2	24.1	0.0	5493.2
02:04:58	05:10:33	2214.0	4765.7	24.6	0.0	5497.2
02:05:08	05:10:43	2300.0	4813.2	25.4	0.0	5501.2
02:05:18	05:10:53	2262.0	4784.6	25.2	0.0	5505.2

02:05:28	05:11:03	2260.0	4784.5	25.1	0.0	5509.6
02:05:38	05:11:13	2260.0	4785.5	25.1	0.0	5513.8
02:05:48	05:11:23	2260.0	4784.5	25.1	0.0	5518.0
02:05:58	05:11:33	2260.0	4783.6	25.2	0.0	5522.2
02:06:08	05:11:43	2258.0	4785.3	25.1	0.0	5526.2
02:06:18	05:11:53	2254.0	4781.3	25.1	0.0	5530.4

02:06:28	05:12:03	2250.0	4777.3	25.1	0.0	5534.8
02:06:38	05:12:13	2252.0	4782.2	25.0	0.0	5539.0
02:06:48	05:12:23	2250.0	4781.1	25.0	0.0	5543.2
02:06:58	05:12:33	2250.0	4780.2	25.0	0.0	5547.2
02:07:08	05:12:43	2250.0	4780.2	25.0	0.0	5551.4
02:07:18	05:12:53	2250.0	4781.1	25.0	0.0	5555.4

02:07:28	05:13:03	2250.0	4783.0	25.0	0.0	5559.8
02:07:38	05:13:13	2250.0	4782.0	25.0	0.0	5564.0
02:07:48	05:13:23	2250.0	4782.0	25.0	0.0	5568.2
02:07:58	05:13:33	2250.0	4783.0	25.0	0.0	5572.2
02:08:08	05:13:43	2250.0	4783.9	24.9	0.0	5576.4
02:08:18	05:13:53	2248.0	4781.9	24.9	0.0	5580.4

02:08:28	05:14:03	2248.0	4781.9	24.9	0.0	5584.8
02:08:38	05:14:13	2250.0	4783.9	24.9	0.0	5589.0
02:08:48	05:14:23	2250.0	4783.0	25.0	0.0	5593.2
02:08:58	05:14:33	2250.0	4784.9	24.9	0.0	5597.2
02:09:08	05:14:43	2250.0	4785.8	24.9	0.0	5601.4
02:09:18	05:14:53	2250.0	4784.9	24.9	0.0	5605.4

02:09:28	05:15:03	2250.0	4783.0	25.0	0.0	5609.6
02:09:38	05:15:13	2250.0	4786.7	24.9	0.0	5613.8
02:09:48	05:15:23	2250.0	4784.9	24.9	0.0	5618.2
02:09:58	05:15:33	2250.0	4786.7	24.9	0.0	5622.2
02:10:08	05:15:43	2250.0	4785.8	24.9	0.0	5626.2
02:10:18	05:15:53	2250.0	4783.9	24.9	0.0	5630.4

02:10:28	05:16:03	2250.0	4785.8	24.9	0.0	5634.6
02:10:38	05:16:13	2250.0	4783.0	25.0	0.0	5638.8
02:10:48	05:16:23	2250.0	4786.7	24.9	0.0	5643.2
02:10:58	05:16:33	2250.0	4784.9	24.9	0.0	5647.2
02:11:08	05:16:43	2250.0	4785.8	24.9	0.0	5651.2
02:11:18	05:16:53	2250.0	4785.8	24.9	0.0	5655.2

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL	R	INSTANT	SLURRY
02:11:28	05:17:03	2250.0	4785.8	24.9	0.0	5659.6	
02:11:38	05:17:13	2250.0	4785.8	24.9	0.0	5663.8	
02:11:48	05:17:23	2250.0	4783.9	24.9	0.0	5668.0	
02:11:58	05:17:33	2250.0	4781.1	25.0	0.0	5672.2	
02:12:08	05:17:43	2252.0	4786.9	24.9	0.0	5676.2	
02:12:18	05:17:53	2250.0	4784.9	24.9	0.0	5680.2	
02:12:28	05:18:03	2250.0	4783.9	24.9	0.0	5684.4	
02:12:38	05:18:13	2250.0	4784.9	24.9	0.0	5688.6	
02:12:48	05:18:23	2250.0	4784.9	24.9	0.0	5693.0	
02:12:58	05:18:33	2250.0	4784.9	24.9	0.0	5697.2	
02:13:08	05:18:43	2252.0	4785.9	24.9	0.0	5701.2	
02:13:18	05:18:53	2250.0	4782.0	25.0	0.0	5705.2	
02:13:28	05:19:03	2252.0	4785.9	24.9	0.0	5709.4	
02:13:38	05:19:13	2250.0	4783.9	24.9	0.0	5713.6	
02:13:48	05:19:23	2250.0	4783.9	24.9	0.0	5717.8	
02:13:58	05:19:33	2250.0	4783.9	24.9	0.0	5722.2	
02:14:08	05:19:43	2252.0	4785.9	24.9	0.0	5726.2	
02:14:18	05:19:53	2250.0	4785.8	24.9	0.0	5730.2	

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME JOBTIME SURFACE CALCULA TOTAL R INSTANT SLURRY

02:14:28	05:20:03	2250.0	4785.8	24.9	0.0	5734.6
02:14:38	05:20:13	2256.0	4790.9	24.9	0.0	5738.6
02:14:48	05:20:23	2302.0	4819.9	25.3	0.0	5742.8
02:14:58	05:20:33	2352.0	4848.3	25.7	0.0	5747.2
02:15:08	05:20:43	2382.0	4850.8	26.3	0.0	5751.2
02:15:18	05:20:53	2380.0	4851.7	26.3	0.0	5756.0

02:15:28	05:21:03	2382.0	4853.7	26.3	0.0	5760.2
02:15:38	05:21:13	2386.0	4857.7	26.3	0.0	5764.6
02:15:48	05:21:23	2382.0	4852.7	26.3	0.0	5769.0
02:15:58	05:21:33	2382.0	4854.6	26.2	0.0	5773.2
02:16:08	05:21:43	2384.0	4851.9	26.3	0.0	5777.8
02:16:18	05:21:53	2380.0	4851.7	26.3	0.0	5782.2

02:16:28	05:22:03	2380.0	4851.7	26.3	0.0	5786.4
02:16:38	05:22:13	2382.0	4852.7	26.3	0.0	5791.0
02:16:48	05:22:23	2386.0	4852.9	26.4	0.0	5795.2
02:16:58	05:22:33	2390.0	4861.7	26.3	0.0	5799.6
02:17:08	05:22:43	2390.0	4858.8	26.3	0.0	5804.0
02:17:18	05:22:53	2390.0	4863.6	26.2	0.0	5808.2

02:17:28	05:23:03	2390.0	4863.6	26.2	0.0	5812.8
02:17:38	05:23:13	2390.0	4863.6	26.2	0.0	5817.2
02:17:48	05:23:23	2390.0	4859.8	26.3	0.0	5821.4
02:17:58	05:23:33	2390.0	4859.8	26.3	0.0	5826.2
02:18:08	05:23:43	2392.0	4861.8	26.3	0.0	5830.2
02:18:18	05:23:53	2390.0	4861.7	26.3	0.0	5834.8

02:18:28	05:24:03	2390.0	4857.9	26.3	0.0	5839.2
02:18:38	05:24:13	2390.0	4860.7	26.3	0.0	5843.2
02:18:48	05:24:23	2392.0	4859.9	26.3	0.0	5847.8
02:18:58	05:24:33	2390.0	4859.8	26.3	0.0	5852.2
02:19:08	05:24:43	2394.0	4864.7	26.3	0.0	5856.6
02:19:18	05:24:53	2392.0	4864.6	26.2	0.0	5861.2

02:19:28	05:25:03	2390.0	4862.6	26.2	0.0	5865.2
02:19:38	05:25:13	2392.0	4862.7	26.3	0.0	5869.8
02:19:48	05:25:23	2394.0	4866.6	26.2	0.0	5874.2
02:19:58	05:25:33	2396.0	4865.8	26.3	0.0	5878.4
02:20:08	05:25:43	2392.0	4867.5	26.2	0.0	5883.2
02:20:18	05:25:53	2392.0	4869.4	26.1	0.0	5887.2

02:20:28	05:26:03	2392.0	4864.6	26.2	0.0	5891.6
02:20:38	05:26:13	2398.0	4868.7	26.3	0.0	5896.2
02:20:48	05:26:23	2396.0	4866.7	26.3	0.0	5900.4
02:20:58	05:26:33	2390.0	4862.6	26.2	0.0	5905.0
02:21:08	05:26:43	2390.0	4865.5	26.2	0.0	5909.2
02:21:18	05:26:53	2390.0	4857.9	26.3	0.0	5913.6

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
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02:21:28	05:27:03	2390.0	4861.7	26.3	0.0	5918.2
02:21:38	05:27:13	2390.0	4857.9	26.3	0.0	5922.2
02:21:48	05:27:23	2390.0	4858.8	26.3	0.0	5926.6
02:21:58	05:27:33	2390.0	4858.8	26.3	0.0	5931.2
02:22:08	05:27:43	2390.0	4859.8	26.3	0.0	5935.4
02:22:18	05:27:53	2390.0	4859.8	26.3	0.0	5940.2

02:22:28	05:28:03	2390.0	4860.7	26.3	0.0	5944.2
02:22:38	05:28:13	2390.0	4858.8	26.3	0.0	5948.6
02:22:48	05:28:23	2396.0	4863.9	26.3	0.0	5953.2
02:22:58	05:28:33	2390.0	4857.9	26.3	0.0	5957.2
02:23:08	05:28:43	2394.0	4860.9	26.4	0.0	5961.8
02:23:18	05:28:53	2392.0	4863.7	26.3	0.0	5966.2

02:23:28	05:29:03	2390.0	4856.0	26.4	0.0	5970.4
02:23:38	05:29:13	2388.0	4850.2	26.5	0.0	5975.2
02:23:48	05:29:23	2390.0	4854.1	26.4	0.0	5979.2
02:23:58	05:29:33	2390.0	4856.0	26.4	0.0	5983.8
02:24:08	05:29:43	2394.0	4858.1	26.4	0.0	5988.2
02:24:18	05:29:53	2396.0	4862.9	26.4	0.0	5992.6

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
02:24:38	05:30:13	2398.0	4869.7	26.3	0.0	6000.6
02:24:48	05:30:23	2430.0	4891.2	26.5	0.0	6006.0
02:24:58	05:30:33	2474.0	4905.8	27.1	0.0	6010.2
02:25:08	05:30:43	2478.0	4905.9	27.2	0.0	6015.0
02:25:18	05:30:53	2480.0	4911.8	27.1	0.0	6019.2
02:25:28	05:31:03	2480.0	4911.8	27.1	0.0	6024.0
02:25:38	05:31:13	2480.0	4910.8	27.1	0.0	6028.2
02:25:48	05:31:23	2480.0	4908.9	27.2	0.0	6033.2
02:25:58	05:31:33	2480.0	4906.0	27.2	0.0	6037.2
02:26:08	05:31:43	2480.0	4909.8	27.1	0.0	6042.2
02:26:18	05:31:53	2480.0	4910.8	27.1	0.0	6046.4
02:26:28	05:32:03	2480.0	4909.8	27.1	0.0	6051.2
02:26:38	05:32:13	2480.0	4912.7	27.1	0.0	6055.4
02:26:48	05:32:23	2480.0	4909.8	27.1	0.0	6060.2
02:26:58	05:32:33	2480.0	4908.9	27.2	0.0	6064.6
02:27:08	05:32:43	2480.0	4913.7	27.1	0.0	6069.2
02:27:18	05:32:53	2480.0	4909.8	27.1	0.0	6073.6
02:27:28	05:33:03	2480.0	4911.8	27.1	0.0	6078.2
02:27:38	05:33:13	2484.0	4916.7	27.1	0.0	6082.8
02:27:48	05:33:23	2480.0	4911.8	27.1	0.0	6087.2
02:27:58	05:33:33	2484.0	4912.9	27.2	0.0	6092.0
02:28:08	05:33:43	2480.0	4909.8	27.1	0.0	6096.2
02:28:18	05:33:53	2468.0	4891.2	27.3	0.0	6101.0
02:28:28	05:34:03	2460.0	4884.1	27.3	0.0	6105.2
02:28:38	05:34:13	2460.0	4883.2	27.3	0.0	6110.0
02:28:48	05:34:23	2316.0	4792.4	26.2	0.0	6114.4
02:28:58	05:34:33	1198.0	4238.3	13.5	0.0	6117.8
02:29:08	05:34:43	1250.0	4286.2	13.6	0.0	6119.8
02:29:18	05:34:53	1280.0	4307.0	13.9	0.0	6122.4
02:29:28	05:35:03	1310.0	4334.5	13.9	0.0	6124.8
02:29:38	05:35:13	1314.0	4347.7	13.7	0.0	6126.8
02:29:48	05:35:23	1328.0	4359.2	13.8	0.0	6129.2
02:29:58	05:35:33	1008.0	4157.2	10.9	0.0	6131.4
02:30:08	05:35:43	1438.0	4499.0	13.0	0.0	6133.4
02:30:18	05:35:53	1730.0	4561.1	18.4	0.0	6135.8
02:30:28	05:36:03	1746.0	4517.5	19.8	0.0	6139.0
02:30:38	05:36:13	1880.0	4619.2	20.5	0.0	6142.4
02:30:48	05:36:23	2006.0	4672.5	22.1	0.0	6146.0
02:30:58	05:36:33	2148.0	4757.4	23.3	0.0	6149.6
02:31:08	05:36:43	2462.0	4890.9	27.2	0.0	6154.0
02:31:18	05:36:53	2472.0	4876.0	27.7	0.0	6158.2
02:31:28	05:37:03	2478.0	4884.0	27.6	0.0	6163.2

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
02:31:38	05:37:13	2480.0	4886.0	27.6	0.0	6167.8
02:31:48	05:37:23	2480.0	4886.0	27.6	0.0	6172.2
02:31:58	05:37:33	2482.0	4914.7	27.1	0.0	6177.0
02:32:08	05:37:43	2490.0	4934.1	26.8	0.0	6181.2
02:32:18	05:37:53	2492.0	4933.3	26.9	0.0	6186.0
02:32:28	05:38:03	2496.0	4937.3	26.9	0.0	6190.2
02:32:38	05:38:13	2500.0	4942.2	26.9	0.0	6195.0
02:32:48	05:38:23	2500.0	4943.2	26.9	0.0	6199.2
02:32:58	05:38:33	2500.0	4941.3	26.9	0.0	6204.0
02:33:08	05:38:43	2500.0	4942.2	26.9	0.0	6208.2
02:33:18	05:38:53	2500.0	4941.3	26.9	0.0	6212.8
02:33:28	05:39:03	2500.0	4940.3	26.9	0.0	6217.2
02:33:38	05:39:13	2500.0	4940.3	26.9	0.0	6221.8

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL	R	INSTANT	SLURRY
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02:33:48	05:39:23	2500.0	4940.3	26.9	0.0	6226.4
02:33:58	05:39:33	2584.0	5001.4	27.4	0.0	6231.0
02:34:08	05:39:43	2646.0	5026.0	28.2	0.0	6235.2
02:34:18	05:39:53	2650.0	5027.2	28.2	0.0	6240.2
02:34:28	05:40:03	2650.0	5028.1	28.2	0.0	6245.0
02:34:38	05:40:13	2650.0	5029.1	28.2	0.0	6249.4

02:34:48	05:40:23	2650.0	5029.1	28.2	0.0	6254.2
02:34:58	05:40:33	2650.0	5030.0	28.2	0.0	6259.2
02:35:08	05:40:43	2650.0	5027.2	28.2	0.0	6263.8
02:35:18	05:40:53	2650.0	5030.0	28.2	0.0	6268.2
02:35:28	05:41:03	2650.0	5031.0	28.2	0.0	6273.2
02:35:38	05:41:13	2654.0	5033.1	28.2	0.0	6278.0

02:35:48	05:41:23	2658.0	5037.1	28.2	0.0	6282.2
02:35:58	05:41:33	2658.0	5036.1	28.2	0.0	6287.2
02:36:08	05:41:43	2656.0	5034.1	28.2	0.0	6292.0
02:36:18	05:41:53	2658.0	5037.1	28.2	0.0	6296.4
02:36:28	05:42:03	2660.0	5038.1	28.2	0.0	6301.2
02:36:38	05:42:13	2660.0	5037.2	28.2	0.0	6306.2

02:36:48	05:42:23	2660.0	5038.1	28.2	0.0	6311.0
02:36:58	05:42:33	2660.0	5040.0	28.2	0.0	6315.2
02:37:08	05:42:43	2660.0	5038.1	28.2	0.0	6320.2
02:37:18	05:42:53	2660.0	5038.1	28.2	0.0	6325.0
02:37:28	05:43:03	2656.0	5034.1	28.2	0.0	6329.4
02:37:38	05:43:13	2658.0	5037.1	28.2	0.0	6334.2

02:37:48	05:43:23	2654.0	5030.2	28.3	0.0	6339.2
02:37:58	05:43:33	2656.0	5035.1	28.2	0.0	6343.8
02:38:09	05:43:43	2652.0	5029.2	28.2	0.0	6348.2

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
02:38:18	05:43:53	2652.0	5031.1	28.2	0.0	6353.2
02:38:28	05:44:03	2654.0	5032.1	28.2	0.0	6358.0
02:38:38	05:44:13	2660.0	5036.2	28.3	0.0	6362.4
02:38:48	05:44:23	2746.0	5091.4	28.9	0.0	6367.2
02:38:58	05:44:33	2776.0	5106.9	29.2	0.0	6372.2
02:39:08	05:44:43	2780.0	5108.9	29.2	0.0	6377.0
02:39:18	05:44:53	2786.0	5111.0	29.3	0.0	6382.0
02:39:28	05:45:03	2790.0	5113.1	29.4	0.0	6387.0
02:39:38	05:45:13	2790.0	5113.1	29.4	0.0	6392.0
02:39:48	05:45:23	2790.0	5116.0	29.3	0.0	6396.4
02:39:58	05:45:33	2790.0	5113.1	29.4	0.0	6401.2
02:40:08	05:45:43	2790.0	5113.1	29.4	0.0	6406.2
02:40:18	05:45:53	2790.0	5112.1	29.4	0.0	6411.2
02:40:28	05:46:03	2790.0	5114.1	29.3	0.0	6416.0
02:40:38	05:46:13	2790.0	5115.0	29.3	0.0	6421.0
02:40:48	05:46:23	2788.0	5110.1	29.4	0.0	6426.0
02:40:58	05:46:33	2790.0	5113.1	29.4	0.0	6431.0
02:41:08	05:46:43	2782.0	5103.2	29.4	0.0	6436.0
02:41:18	05:46:53	2782.0	5103.2	29.4	0.0	6441.0
02:41:28	05:47:03	2780.0	5099.2	29.4	0.0	6445.4
02:41:38	05:47:13	2780.0	5101.2	29.4	0.0	6450.2
02:41:48	05:47:23	2780.0	5101.2	29.4	0.0	6455.2
02:41:58	05:47:33	2780.0	5101.2	29.4	0.0	6460.2
02:42:08	05:47:43	2780.0	5104.1	29.3	0.0	6465.2
02:42:18	05:47:53	2780.0	5100.2	29.4	0.0	6470.0
02:42:28	05:48:03	2780.0	5102.1	29.4	0.0	6475.0
02:42:38	05:48:13	2780.0	5101.2	29.4	0.0	6480.0
02:42:48	05:48:23	2780.0	5100.2	29.4	0.0	6485.0
02:42:58	05:48:33	2780.0	5100.2	29.4	0.0	6490.0
02:43:08	05:48:43	2780.0	5100.2	29.4	0.0	6494.8

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
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02:43:18	05:48:53	2780.0	5096.3	29.5	0.0	6499.4
02:43:28	05:49:03	2798.0	5113.3	29.5	0.0	6504.2
02:43:38	05:49:13	2838.0	5132.0	30.0	0.0	6509.2
02:43:48	05:49:23	2848.0	5135.2	30.1	0.0	6514.2
02:43:58	05:49:33	2850.0	5139.1	30.1	0.0	6519.2
02:44:08	05:49:43	2852.0	5139.2	30.1	0.0	6524.2
02:44:18	05:49:53	2856.0	5140.2	30.2	0.0	6529.2
02:44:28	05:50:03	2860.0	5143.3	30.2	0.0	6534.2
02:44:38	05:50:13	2860.0	5144.2	30.2	0.0	6539.2
02:44:48	05:50:23	2860.0	5144.2	30.2	0.0	6544.6
02:44:58	05:50:33	2860.0	5144.2	30.2	0.0	6549.6
02:45:08	05:50:43	2860.0	5145.2	30.1	0.0	6554.8
02:45:18	05:50:53	2860.0	5143.3	30.2	0.0	6560.0
02:45:28	05:51:03	2860.0	5144.2	30.2	0.0	6565.0
02:45:38	05:51:13	2860.0	5146.2	30.1	0.0	6570.0
02:45:48	05:51:23	2860.0	5145.2	30.1	0.0	6575.0
02:45:58	05:51:33	2860.0	5146.2	30.1	0.0	6580.0
02:46:08	05:51:43	2860.0	5147.2	30.1	0.0	6585.0
02:46:18	05:51:53	2860.0	5146.2	30.1	0.0	6590.0
02:46:28	05:52:03	2860.0	5144.2	30.2	0.0	6595.0
02:46:38	05:52:13	2860.0	5143.3	30.2	0.0	6600.0
02:46:48	05:52:23	2860.0	5147.2	30.1	0.0	6605.0

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PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
02:47:00	05:52:35	2860.0	5146.2	30.1	0.0	6610.4
02:47:10	05:52:45	2860.0	5148.1	30.1	0.0	6616.0
02:47:20	05:52:55	2862.0	5148.2	30.1	0.0	6621.0
02:47:30	05:53:05	2234.0	4700.9	26.4	0.0	6625.8
02:47:42	05:53:17	948.0	4169.7	9.0	0.0	6628.8
02:47:52	05:53:27	904.0	4406.2	.4	0.0	6630.0
02:48:02	05:53:37	896.0	4403.9	.1	0.0	6630.0
02:49:53	05:55:27	840.0	4348.6	0.0	0.0	6630.0
02:50:03	05:55:37	840.0	4348.6	0.0	0.0	6630.0
02:50:13	05:55:47	840.0	4348.2	0.0	0.0	6630.0
02:50:23	05:55:57	838.0	4346.6	0.0	0.0	6630.0
02:50:33	05:56:07	832.0	4340.2	0.0	0.0	6630.0
02:50:43	05:56:17	830.0	4338.6	0.0	0.0	6630.0
02:50:53	05:56:27	830.0	4338.2	0.0	0.0	6630.0
02:51:03	05:56:37	830.0	4338.4	0.0	0.0	6630.0
02:51:13	05:56:47	830.0	4338.4	0.0	0.0	6630.0
02:51:23	05:56:57	830.0	4338.4	0.0	0.0	6630.0
02:51:33	05:57:07	828.0	4336.4	0.0	0.0	6630.0
02:51:43	05:57:17	824.0	4332.6	0.0	0.0	6630.0
02:51:53	05:57:27	820.0	4328.2	0.0	0.0	6630.0
02:52:03	05:57:37	820.0	4328.4	0.0	0.0	6630.0
02:52:13	05:57:47	820.0	4328.6	0.0	0.0	6630.0
02:52:23	05:57:57	820.0	4328.4	0.0	0.0	6630.0
02:52:33	05:58:07	820.0	4328.4	0.0	0.0	6630.0
02:52:43	05:58:17	820.0	4328.6	0.0	0.0	6630.0
02:52:53	05:58:27	820.0	4328.6	0.0	0.0	6630.0
02:53:03	05:58:37	818.0	4326.6	0.0	0.0	6630.0
02:53:13	05:58:47	820.0	4328.2	0.0	0.0	6630.0
02:53:23	05:58:57	814.0	4322.4	0.0	0.0	6630.0
02:53:33	05:59:07	812.0	4320.6	0.0	0.0	6630.0
02:53:43	05:59:17	812.0	4320.4	0.0	0.0	6630.0
02:53:53	05:59:27	810.0	4318.6	0.0	0.0	6630.0
02:54:03	05:59:37	810.0	4317.9	.1	0.0	6630.0
02:54:13	05:59:47	810.0	4318.6	0.0	0.0	6630.0
02:54:23	05:59:57	810.0	4318.6	0.0	0.0	6630.0
02:54:33	06:00:07	810.0	4318.6	0.0	0.0	6630.0
02:54:43	06:00:17	810.0	4318.6	0.0	0.0	6630.0
02:54:53	06:00:27	810.0	4318.4	0.0	0.0	6630.0
02:55:03	06:00:37	810.0	4318.2	0.0	0.0	6630.0
02:55:13	06:00:47	810.0	4318.6	0.0	0.0	6630.0
02:55:23	06:00:57	810.0	4318.6	0.0	0.0	6630.0
02:55:33	06:01:07	808.0	4316.4	0.0	0.0	6630.0

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
02:55:43	06:01:17	808.0	4315.9	.1	0.0	6630.0
02:55:53	06:01:27	802.0	4310.6	0.0	0.0	6630.0
02:56:03	06:01:37	804.0	4312.6	0.0	0.0	6630.0
02:56:13	06:01:47	802.0	4310.4	0.0	0.0	6630.0
02:56:23	06:01:57	800.0	4308.6	0.0	0.0	6630.0
02:56:33	06:02:07	804.0	4312.4	0.0	0.0	6630.0
02:56:43	06:02:17	800.0	4308.4	0.0	0.0	6630.0
02:56:53	06:02:27	800.0	4308.4	0.0	0.0	6630.0
02:57:03	06:02:37	800.0	4308.4	0.0	0.0	6630.0
02:57:13	06:02:47	800.0	4308.6	0.0	0.0	6630.0
02:57:23	06:02:57	800.0	4308.4	0.0	0.0	6630.0
02:57:33	06:03:07	800.0	4308.6	0.0	0.0	6630.0
02:57:43	06:03:17	800.0	4308.6	0.0	0.0	6630.0
02:57:53	06:03:27	800.0	4308.4	0.0	0.0	6630.0
02:58:03	06:03:37	800.0	4308.6	0.0	0.0	6630.0
02:58:13	06:03:47	800.0	4308.6	0.0	0.0	6630.0
02:58:23	06:03:57	800.0	4308.4	0.0	0.0	6630.0
02:58:33	06:04:07	800.0	4308.4	0.0	0.0	6630.0
02:58:43	06:04:17	800.0	4308.6	0.0	0.0	6630.0
02:58:53	06:04:27	800.0	4308.4	0.0	0.0	6630.0
02:59:03	06:04:37	796.0	4304.6	0.0	0.0	6630.0
02:59:13	06:04:47	800.0	4308.4	0.0	0.0	6630.0
02:59:23	06:04:57	800.0	4308.4	0.0	0.0	6630.0
02:59:33	06:05:07	800.0	4308.2	0.0	0.0	6630.0
02:59:43	06:05:17	800.0	4308.4	0.0	0.0	6630.0
02:59:53	06:05:27	800.0	4308.6	0.0	0.0	6630.0
03:00:03	06:05:37	798.0	4306.4	0.0	0.0	6630.0
03:00:13	06:05:47	796.0	4304.2	0.0	0.0	6630.0
03:00:23	06:05:57	794.0	4302.6	0.0	0.0	6630.0
03:00:33	06:06:07	796.0	4304.6	0.0	0.0	6630.0
03:00:43	06:06:17	794.0	4302.4	0.0	0.0	6630.0
03:00:53	06:06:27	790.0	4298.6	0.0	0.0	6630.0
03:01:03	06:06:37	794.0	4302.4	0.0	0.0	6630.0
03:01:13	06:06:47	790.0	4298.4	0.0	0.0	6630.0
03:01:23	06:06:57	790.0	4298.6	0.0	0.0	6630.0
03:01:33	06:07:07	790.0	4298.6	0.0	0.0	6630.0
03:01:43	06:07:17	792.0	4300.2	0.0	0.0	6630.0
03:01:53	06:07:27	790.0	4298.2	0.0	0.0	6630.0
03:02:03	06:07:37	790.0	4298.6	0.0	0.0	6630.0
03:02:13	06:07:47	790.0	4298.6	0.0	0.0	6630.0
03:02:23	06:07:57	790.0	4298.4	0.0	0.0	6630.0
03:02:33	06:08:07	790.0	4297.9	.1	0.0	6630.0

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MERIDIAN OIL CO.

PUMP CANYON SWD #1 (STEP RATE TEST)

CLOCKTIME	JOBTIME	SURFACE	CALCULA	TOTAL R	INSTANT	SLURRY
03:02:43	06:08:17	790.0	4298.2	0.0	0.0	6630.0
03:02:53	06:08:27	790.0	4298.6	0.0	0.0	6630.0
03:03:03	06:08:37	790.0	4298.2	0.0	0.0	6630.0
03:03:13	06:08:47	790.0	4298.4	0.0	0.0	6630.0
03:03:23	06:08:57	790.0	4297.9	.1	0.0	6630.0

Press P1 = 450	BPM P5 = .0	CO2_1 P10 .0	Scft P14 = 00
Press P2 = 0	BPM P6 = .3	CO2_2 P11 .0	PSA P15 = .0
Press P3 = 10000	BPM P7 = .0	IRS P12 .2	PSA P16 = .0
Press P4 = 10000	GPM P8 = .00	Gbb1s P13 .0	
	BPMtotP9 = .3		

Totb P19 = 2320
Tots P20 = 203300

TEMP P17 = 0
TEMP P18 = 0

Totg P21 = 579
Totf P22 = 64

DAY TIME
09:05:01

JOB TIME
00:10:36

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAUXITE
ICHANGE DISC

IWEST PROP
IEND MONITORING

all zones

Surface Press (psi) = 448
Actual Press (psi) = 0
Bottom Press (psi) = 3947
Closure Press (psi) = 3630
Fractur Press (psi) = 317
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 70
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 8
Fric Slurry (psi) = 8
Average Counter = 2
BHP Tool (psi) = 0

Blender Rate (BPM) = .5
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 16
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 128

DAY TIME
09:15:52

JOB TIME
00:21:27

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAuxITE IWest Prop
Ichange Disc Iend Monitoring

Surface Press (psi) = 460
Actual Press (psi) = 0
Bottom Press (psi) = 3947
Closure Press (psi) = 3630
Fractur Press (psi) = 317
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 70
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 21
Fric Slurry (psi) = 21
Average Counter = 3
BHP Tool (psi) = 0

Blender Rate (BPM) = 1.02
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 18
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 186

DAY TIME
09:25:34

JOB TIME
00:31:09

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAuxITE IWEST PROP
ICHANGE DISC IEND MONITORING

Surface Press (psi) = 470
Actual Press (psi) = 0
Bottom Press (psi) = 3936
Closure Press (psi) = 3630
Fractur Press (psi) = 306
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 70
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 42
Fric Slurry (psi) = 42
Average Counter = 1
BHP Tool (psi) = 0

Blender Rate (BPM) = 1.82
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 19
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 243

DAY TIME
09:35:32

JOB TIME
00:41:07

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAuxITE IWest Prop
IChange Disc IEnd Monitoring

Surface Press (psi) = 480
Actual Press (psi) = 0
Bottom Press (psi) = 3988
Closure Press (psi) = 3630
Fractur Press (psi) = 358
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 0
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 0
Fric Slurry (psi) = 0
Average Counter = 3
BHP Tool (psi) = 0

Blender Rate (BPM) = 2.6
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 19
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 299

DAY TIME
09:45:29

JOB TIME
00:51:03

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAuxITE IWest Prop
IChange Disc IEnd Monitoring

Surface Press (psi) = 490
Actual Press (psi) = 0
Bottom Press (psi) = 3992
Closure Press (psi) = 3630
Fractur Press (psi) = 362
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 5
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 5
Fric Slurry (psi) = 5
Average Counter = 4
BHP Tool (psi) = 0

Blender Rate (BPM) = 3.08
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 19
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 355

DAY TIME
09:55:17

JOB TIME
01:00:52

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAuxITE IWest Prop
Ichange Disc Iend Monitoring

Surface Press (psi) = 500
Actual Press (psi) = 0
Bottom Press (psi) = 4001
Closure Press (psi) = 3630
Fractur Press (psi) = 371
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 5.5
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 7
Fric Slurry (psi) = 7
Average Counter = 1
BHP Tool (psi) = 0

Blender Rate (BPM) = 3.62
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 14
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 406

DAY TIME
10:04:14

JOB TIME
01:09:49

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAUXITE IWEST PROP
ICHANGE DISC IEND MONITORING

Surface Press (psi) = 530
Actual Press (psi) = 0
Bottom Press (psi) = 4028
Closure Press (psi) = 3630
Fractur Press (psi) = 398
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 7
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 10
Fric Slurry (psi) = 10
Average Counter = 3
BHP Tool (psi) = 0

Blender Rate (BPM) = 3.86
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 34
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 538

DAY TIME
10:27:33

JOB TIME
01:33:07

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAuxITE IWest Prop
IChange Disc IEnd Monitoring

Surface Press (psi) = 552
Actual Press (psi) = 0
Bottom Press (psi) = 4045
Closure Press (psi) = 3630
Fractur Press (psi) = 415
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 8.5
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 14
Fric Slurry (psi) = 14
Average Counter = 1
BHP Tool (psi) = 0

Blender Rate (BPM) = 4.46
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 24
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 584

DAY TIME
10:35:52

JOB TIME
01:41:27

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAuxITE IWEST PROP
ICHANGE DISC IEND MONITORING

Surface Press (psi) = 580
Actual Press (psi) = 0
Bottom Press (psi) = 4068
Closure Press (psi) = 3630
Fractur Press (psi) = 438
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 9.7
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 19
Fric Slurry (psi) = 19
Average Counter = 2
BHP Tool (psi) = 0

Blender Rate (BPM) = 5.04
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 24
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 640

DAY TIME
10:46:40

JOB TIME
01:52:14

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAuxITE IWest Prop
IChange Disc IEnd Monitoring

Surface Press (psi) = 620
Actual Press (psi) = 0
Bottom Press (psi) = 4102
Closure Press (psi) = 3630
Fractur Press (psi) = 472
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 11.3
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 25
Fric Slurry (psi) = 25
Average Counter = 2
BHP Tool (psi) = 0

Blender Rate (BPM) = 5.54
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 10
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 682

DAY TIME
10:55:16

JOB TIME
02:00:51

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAuxITE IWEST PROP
ICHANGE DISC IEND MONITORING

Surface Press (psi) = 650
Actual Press (psi) = 0
Bottom Press (psi) = 4125
Closure Press (psi) = 3630
Fractur Press (psi) = 495
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 13
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 33
Fric Slurry (psi) = 33
Average Counter = 3
BHP Tool (psi) = 0

Blender Rate (BPM) = 6.06
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 13
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 741

DAY TIME
11:05:59

JOB TIME
02:11:34

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAUXITE IWEST PROP
ICHANGE DISC IEND MONITORING

Surface Press (psi) = 710
Actual Press (psi) = 0
Bottom Press (psi) = 4164
Closure Press (psi) = 3630
Fractur Press (psi) = 534
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 18
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 53
Fric Slurry (psi) = 53
Average Counter = 4
BHP Tool (psi) = 0

Blender Rate (BPM) = 6.9
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 19
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 803

DAY TIME
11:17:13

JOB TIME
02:22:47

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAuxITE IWest Prop
IChange Disc IEnd Monitoring

Surface Press (psi) = 770
Actual Press (psi) = 0
Bottom Press (psi) = 4196
Closure Press (psi) = 3630
Fractur Press (psi) = 566
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 23
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 81
Fric Slurry (psi) = 81
Average Counter = 3
BHP Tool (psi) = 0

Blender Rate (BPM) = 8
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 4
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 844

DAY TIME
11:24:52

JOB TIME
02:30:26

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAuxITE IWest Prop
IChange Disc IEnd Monitoring

Surface Press (psi) = 850
Actual Press (psi) = 0
Bottom Press (psi) = 4176
Closure Press (psi) = 3630
Fractur Press (psi) = 546
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 44
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 181
Fric Slurry (psi) = 181
Average Counter = 2
BHP Tool (psi) = 0

Blender Rate (BPM) = 9.06
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 3
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 899

DAY TIME
11:34:55

JOB TIME
02:40:30

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAuxITE IWest Prop
Ichange Disc Iend Monitoring

Surface Press (psi) = 900
Actual Press (psi) = 0
Bottom Press (psi) = 4250
Closure Press (psi) = 3630
Fractur Press (psi) = 620
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 34
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 158
Fric Slurry (psi) = 158
Average Counter = 1
BHP Tool (psi) = 0

Blender Rate (BPM) = 10
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 6
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 958

DAY TIME
11:45:37

JOB TIME
02:51:11

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAuxITE IWest Prop
Ichange Disc Iend Monitoring

Surface Press (psi) = 980
Actual Press (psi) = 0
Bottom Press (psi) = 4272
Closure Press (psi) = 3630
Fractur Press (psi) = 642
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 41
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 216
Fric Slurry (psi) = 216
Average Counter = 2
BHP Tool (psi) = 0

Blender Rate (BPM) = 11.1
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 54
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 1006

DAY TIME
11:54:37

JOB TIME
03:00:11

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAXITE IWEST PROP
ICHANGE DISC IEND MONITORING

Surface Press (psi) = 1050
Actual Press (psi) = 0
Bottom Press (psi) = 4278
Closure Press (psi) = 3630
Fractur Press (psi) = 648
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 48
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 279
Fric Slurry (psi) = 280
Average Counter = 2
BHP Tool (psi) = 0

Blender Rate (BPM) = 12.1
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 52
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 1060

DAY TIME
12:04:40

JOB TIME
03:10:14

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAUXITE IWEST PROP
ICHANGE DISC IEND MONITORING

Surface Press (psi) = 1120
Actual Press (psi) = 0
Bottom Press (psi) = 4281
Closure Press (psi) = 3630
Fractur Press (psi) = 651
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 54
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 347
Fric Slurry (psi) = 347
Average Counter = 3
BHP Tool (psi) = 0

Blender Rate (BPM) = 13.1
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 47
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 1111

DAY TIME
12:14:14

JOB TIME
03:19:49

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAUXITE IWEST PROP
ICHANGE DISC IEND MONITORING

Surface Press (psi) = 1200
Actual Press (psi) = 0
Bottom Press (psi) = 4270
Closure Press (psi) = 3630
Fractur Press (psi) = 640
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 62
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 437
Fric Slurry (psi) = 437
Average Counter = 2
BHP Tool (psi) = 0

Blender Rate (BPM) = 14.2
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 41
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 1161

DAY TIME
12:24:37

JOB TIME
03:30:12

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAuxITE IWest Prop
Ichange Disc Iend Monitoring

Surface Press (psi) = 1262
Actual Press (psi) = 0
Bottom Press (psi) = 4238
Closure Press (psi) = 3630
Fractur Press (psi) = 608
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 70
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 531
Fric Slurry (psi) = 532
Average Counter = 3
BHP Tool (psi) = 0

Blender Rate (BPM) = 15.1
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 38
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 1214

DAY TIME
12:34:38

JOB TIME
03:40:13

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAuxITE IWest Prop
IChange Disc IEnd Monitoring

Surface Press (psi) = 1330
Actual Press (psi) = 0
Bottom Press (psi) = 4263
Closure Press (psi) = 3630
Fractur Press (psi) = 633
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 70
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 574
Fric Slurry (psi) = 574
Average Counter = 3
BHP Tool (psi) = 0

Blender Rate (BPM) = 16.1
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 43
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 1275

DAY TIME
12:44:48

JOB TIME
03:50:23

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAuxITE IWest Prop
IChange Disc IEnd Monitoring

Surface Press (psi) = 1400
Actual Press (psi) = 0
Bottom Press (psi) = 4293
Closure Press (psi) = 3630
Fractur Press (psi) = 663
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 70
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 614
Fric Slurry (psi) = 615
Average Counter = 4
BHP Tool (psi) = 0

Blender Rate (BPM) = 17
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 44
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 1332

DAY TIME
12:54:20

JOB TIME
03:59:55

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAUXITE IWEST PROP
ICHANGE DISC IEND MONITORING

Surface Press (psi) = 1490
Actual Press (psi) = 0
Bottom Press (psi) = 4340
Closure Press (psi) = 3630
Fractur Press (psi) = 710
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 70
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 657
Fric Slurry (psi) = 658
Average Counter = 1
BHP Tool (psi) = 0

Blender Rate (BPM) = 18
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 49
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 1393

DAY TIME
01:04:25

JOB TIME
04:10:00

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAUXITE ICHANGE DISC IWEST PROP
IEND MONITORING

Surface Press (psi) = 1560
Actual Press (psi) = 0
Bottom Press (psi) = 4360
Closure Press (psi) = 3630
Fractur Press (psi) = 730
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 70
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 707
Fric Slurry (psi) = 707
Average Counter = 2
BHP Tool (psi) = 0

Blender Rate (BPM) = 19.1
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 53
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 1453

DAY TIME
01:14:27

JOB TIME
04:20:01

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAUXITE IWEST PROP
ICHANGE DISC IEND MONITORING

Surface Press (psi) = 1680
Actual Press (psi) = 0
Bottom Press (psi) = 4429
Closure Press (psi) = 3630
Fractur Press (psi) = 799
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 70
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 758
Fric Slurry (psi) = 758
Average Counter = 1
BHP Tool (psi) = 0

Blender Rate (BPM) = 20.2
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 50
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 1506

DAY TIME
01:24:34

JOB TIME
04:30:09

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAUXITE IWEST PROP
ICHANGE DISC IEND MONITORING

Surface Press (psi) = 1770
Actual Press (psi) = 0
Bottom Press (psi) = 4479
Closure Press (psi) = 3630
Fractur Press (psi) = 849
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 70
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 798
Fric Slurry (psi) = 799
Average Counter = 2
BHP Tool (psi) = 0

Blender Rate (BPM) = 21.1
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 53
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 1565

DAY TIME
01:34:28

JOB TIME
04:40:03

STEP-RATE IDIAGONISTICS ISAND +
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAuxITE IWest Prop
Ichange Disc Iend Monitoring

Surface Press (psi) = 1920
Actual Press (psi) = 0
Bottom Press (psi) = 4589
Closure Press (psi) = 3630
Fractur Press (psi) = 959
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 70
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 838
Fric Slurry (psi) = 839
Average Counter = 2
BHP Tool (psi) = 0

Blender Rate (BPM) = 22
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 49
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 1617

DAY TIME
01:44:33

JOB TIME
04:50:08

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAUXITE IWEST PROP
ICHANGE DISC IEND MONITORING

Surface Press (psi) = 2060
Actual Press (psi) = 0
Bottom Press (psi) = 4673
Closure Press (psi) = 3630
Fractur Press (psi) = 1043
Sand (Instnt) (PPG) = 0
Sand (Resant) (PPG) = 0
Fric Grad (psi/Kft) = 70
Hydrosto Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 894
Fric Slurry (psi) = 895
Average Counter = 4
BHP Tool (psi) = 0

Blender Rate (BPM) = 23.2
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 52
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 1676

DAY TIME
01:54:27

JOB TIME
05:00:02

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAUXITE IWEST PROP
ICHANGE DISC IEND MONITORING

Surface Press (psi) = 2140
Actual Press (psi) = 0
Bottom Press (psi) = 4719
Closure Press (psi) = 3630
Fractur Press (psi) = 1089
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 70
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 928
Fric Slurry (psi) = 928
Average Counter = 2
BHP Tool (psi) = 0

Blender Rate (BPM) = 24
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 0
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 1736

DAY TIME
02:04:23

JOB TIME
05:09:58

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAuxITE IWest Prop
Ichange Disc Iend Monitoring

Surface Press (psi) = 2250
Actual Press (psi) = 0
Bottom Press (psi) = 4785
Closure Press (psi) = 3630
Fractur Press (psi) = 1155
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 70
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 972
Fric Slurry (psi) = 972
Average Counter = 3
BHP Tool (psi) = 0

Blender Rate (BPM) = 24.9
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 4
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 1796

DAY TIME
02:14:25

JOB TIME
05:19:59

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAuxITE IWest Prop
IChange Disc IEnd Monitoring

Surface Press (psi) = 2396
Actual Press (psi) = 0
Bottom Press (psi) = 4862
Closure Press (psi) = 3530
Fractur Press (psi) = 1232
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 70
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 1040
Fric Slurry (psi) = 1041
Average Counter = 2
BHP Tool (psi) = 0

Blender Rate (BPM) = 26.4
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 8
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 1856

DAY TIME
02:24:33

JOB TIME
05:30:08

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAuxITE IWest Prop
IChange Disc IEnd Monitoring

Surface Press (psi) = 2500
Actual Press (psi) = 0
Bottom Press (psi) = 4940
Closure Press (psi) = 3630
Fractur Press (psi) = 1310
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 70
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 1067
Fric Slurry (psi) = 1068
Average Counter = 2
BHP Tool (psi) = 0

Blender Rate (BPM) = 26.9
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 7
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 1911

DAY TIME
02:33:43

JOB TIME
05:39:18

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAUXITE IWEST PROP
ICHANGE DISC IEND MONITORING

Surface Press (psi) = 2652
Actual Press (psi) = 0
Bottom Press (psi) = 5029
Closure Press (psi) = 3630
Fractur Press (psi) = 1399
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 70
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 1130
Fric Slurry (psi) = 1131
Average Counter = 1
BHP Tool (psi) = 0

Blender Rate (BPM) = 28.2
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 34
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 1938

DAY TIME
02:38:12

JOB TIME
05:43:46

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAUXITE IWEST PROP
ICHANGE DISC IEND MONITORING

Surface Press (psi) = 2780
Actual Press (psi) = 0
Bottom Press (psi) = 5100
Closure Press (psi) = 3630
Fractur Press (psi) = 1470
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 70
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 1187
Fric Slurry (psi) = 1188
Average Counter = 4
BHP Tool (psi) = 0

Blender Rate (BPM) = 29.4
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 8
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 1968

DAY TIME
02:43:16

JOB TIME
05:48:51

STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAuxITE IWEST PROP
ICHANGE DISC IEND MONITORING

Surface Press (psi) = 2860
Actual Press (psi) = 0
Bottom Press (psi) = 5147
Closure Press (psi) = 3630
Fractur Press (psi) = 1517
Sand (Instnt) (PPG) = 0
Sand (Resdnt) (PPG) = 0
Fric Grad (psi/Kft) = 70
Hydrostc Head (psi) = 3508
Fric Perfs (psi) = 0
Fric Conductr (psi) = 1220
Fric Slurry (psi) = 1221
Average Counter = 4
BHP Tool (psi) = 0

Blender Rate (BPM) = 30.1
Viscosity (cp) = 0
N prime = 0
K prime = 0
Elements = 9
Residence Index = 30
Sand Density (PPG) = 22.05
Hydro H G (psi/Kft) = 433
Vfrac = 0
Rel Viscosity (cp) = 1
Rel Density (PPG) = 1
Correction Factor = 1
Store Counter = 1990

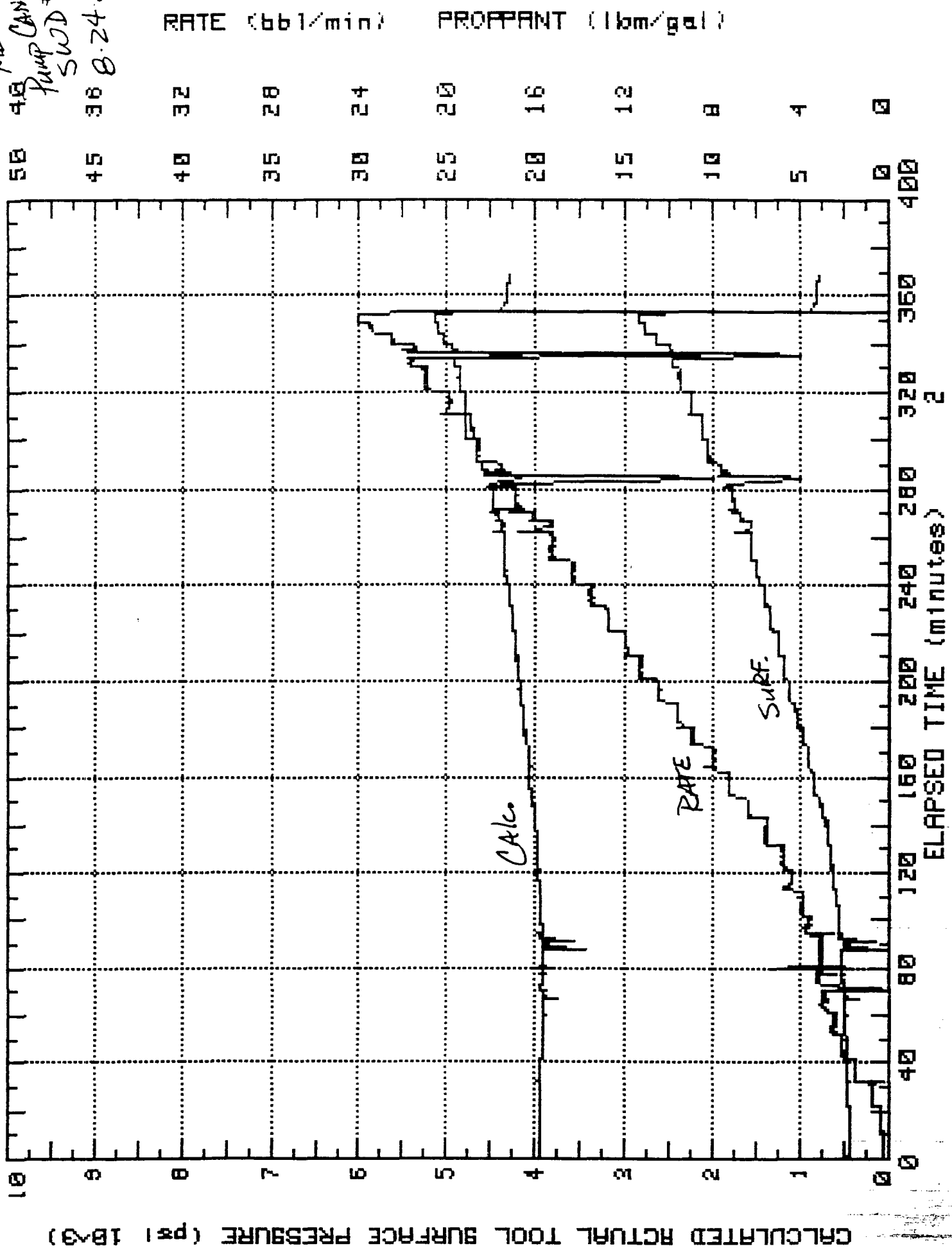
DAY TIME
02:46:59

JOB TIME
05:52:33

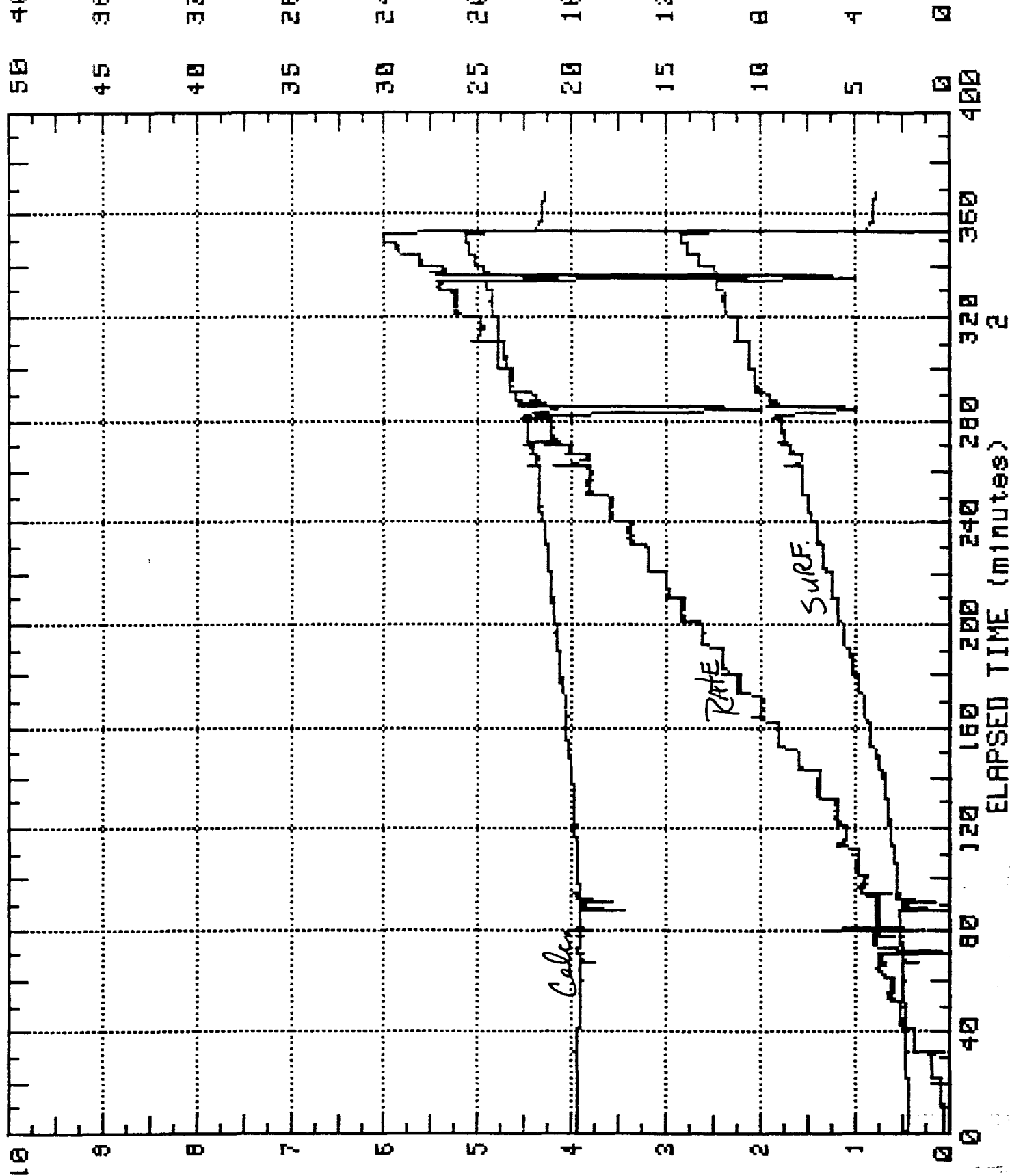
STEP-RATE IDIAGONISTICS ISAND *
RESCALE IDUMP GRAPHICS ICOMMENTS

IBAUXITE IWEST PROP
ICHANGE DISC IEND MONITORING

MERIDIAN
 Pump Canyon
 SWD #1
 8-24-89



CALCULATED ACTUAL TOOL SURFACE PRESSURE (psi 10³)



RATE (bbl/min)

PROPPANT (lbm/gal)

MERIDIA
PUMP CAV
SUD #1
8-24-83

SURF P
 VS
 RATE
 MERIDIAN
 Pump Canyon
 SWD #1
 8.24.89

