

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]

[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]

[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]

[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]

[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]

[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication

☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement

☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☒ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☒ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☐ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Shelly Bilberry
Print or Type Name

Shelly Bilberry
Signature

Regulation Specialist
Title

8/12/14
Date

sbilberry@jcleo.com
e-mail Address

RECEIVED OOD
 2014 AUG 15 P 2:55
 11181
 IPI
 - J. Cleo Thompson
 225631
 WEL
 - JCT Federal #1
 30-025-38569
 Pool
 - SWD, SAN Andres -
 Gloria Pad Blinberry
 96123

J CLEO THOMPSON

JCT FEDERAL "24" #1
LEA COUNTY, NEW MEXICO

TEST DATE
7/23/2014

STEP RATE TEST

Ran step rate test with electric surface readout unit, 1 electronic pressure instrument @ run depth of 5,375' and surface pressure transducer.

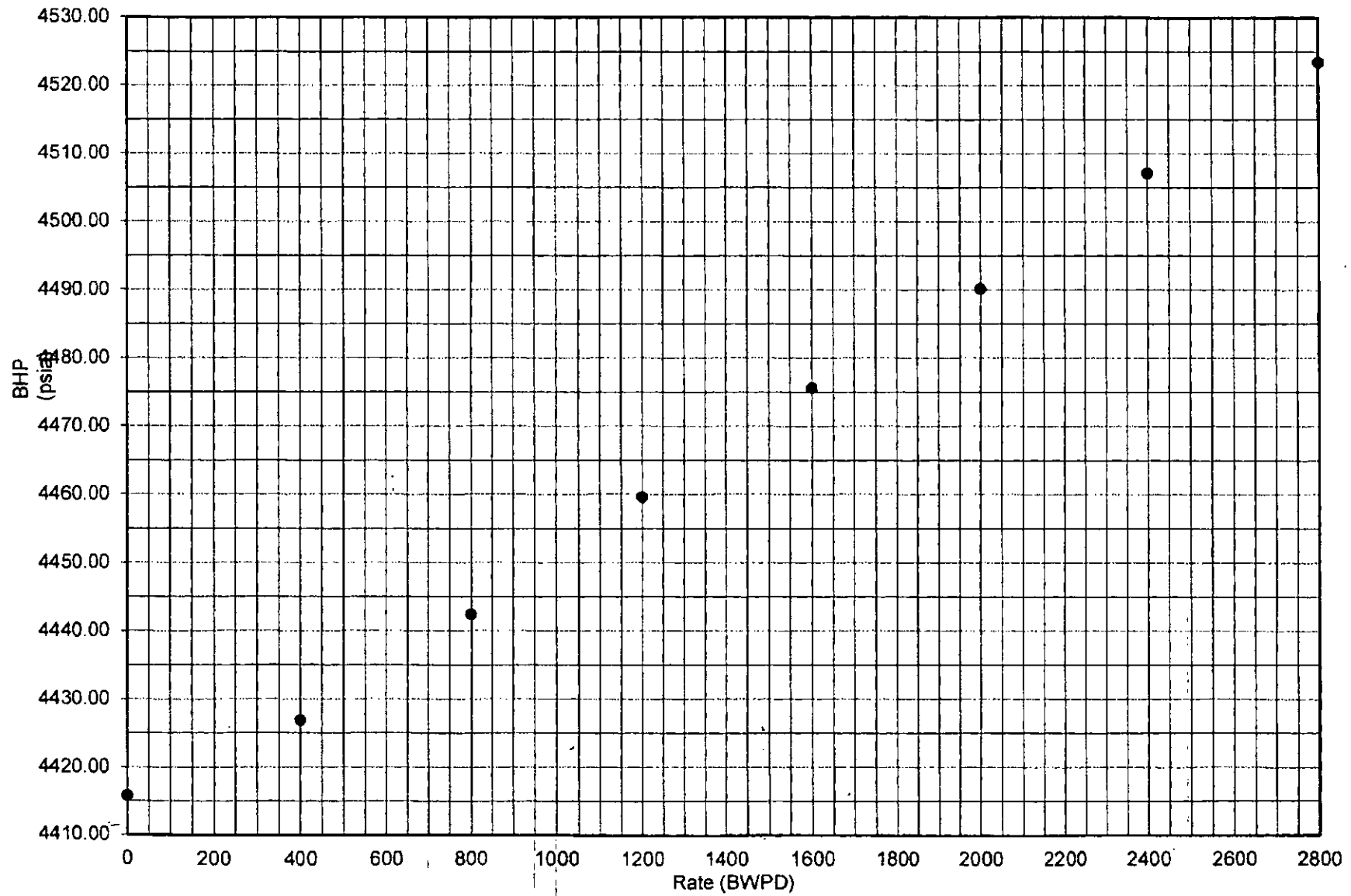
J Cleo Thompson
JCT Federal "24" #1
TEST DATE 7/23/2014

40
30
30
75
30
30
30

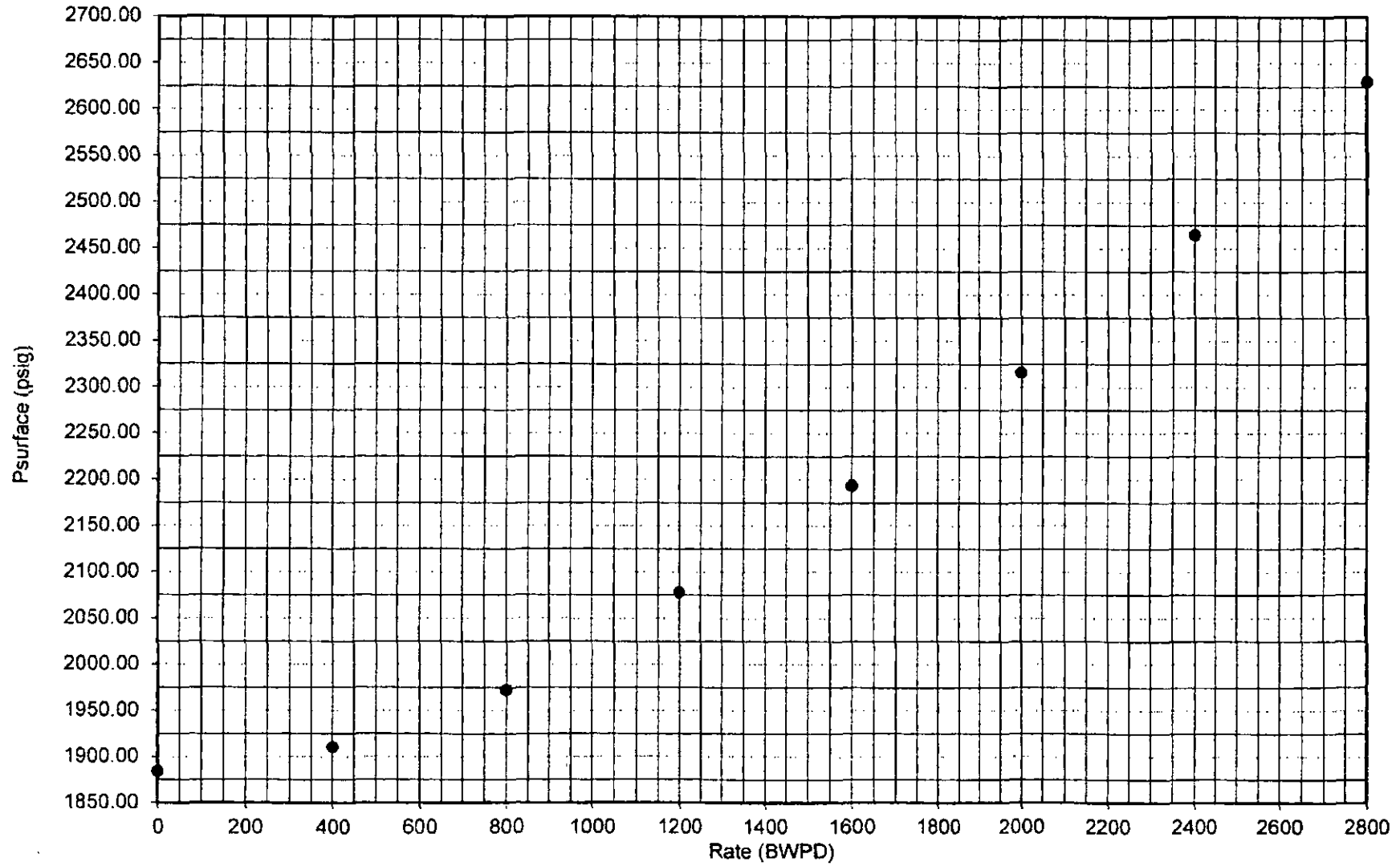
Instrument #: 77844

PRECISION PRESSURE DATA, INC. • P.O. BOX 8571 • MIDLAND, TEXAS 79708-8571 • (432) 580-8200

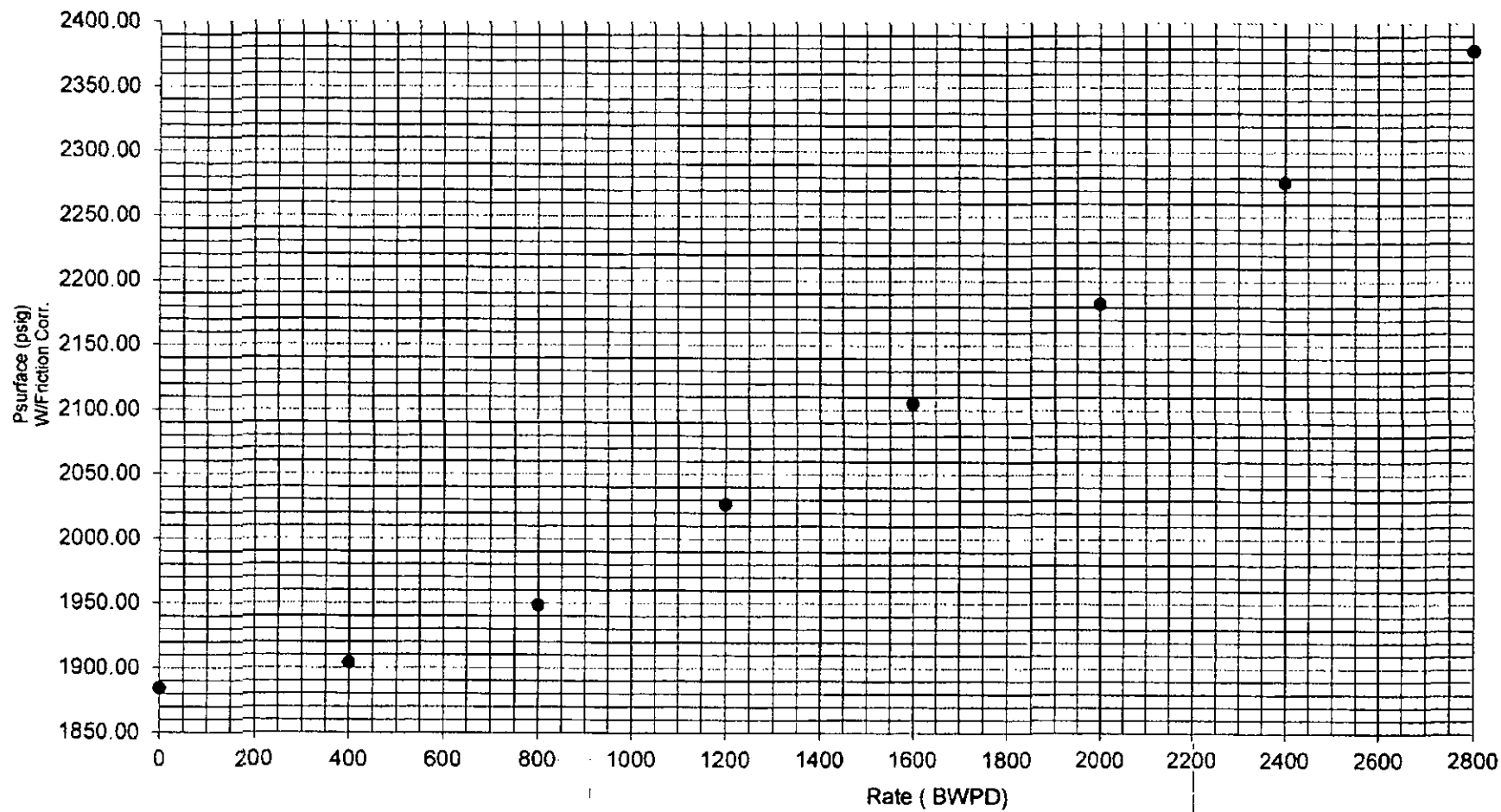
Step Rate Test
J Cleo Thompson
JCT Federal "24" #1
7/23/2014



Step Rate Test
J Cleo Thompson
JCT Federal "24" #1
7/23/2014



Step Rate Test
J Cleo Thompson
JCT Federal "24" #1
7/23/2014



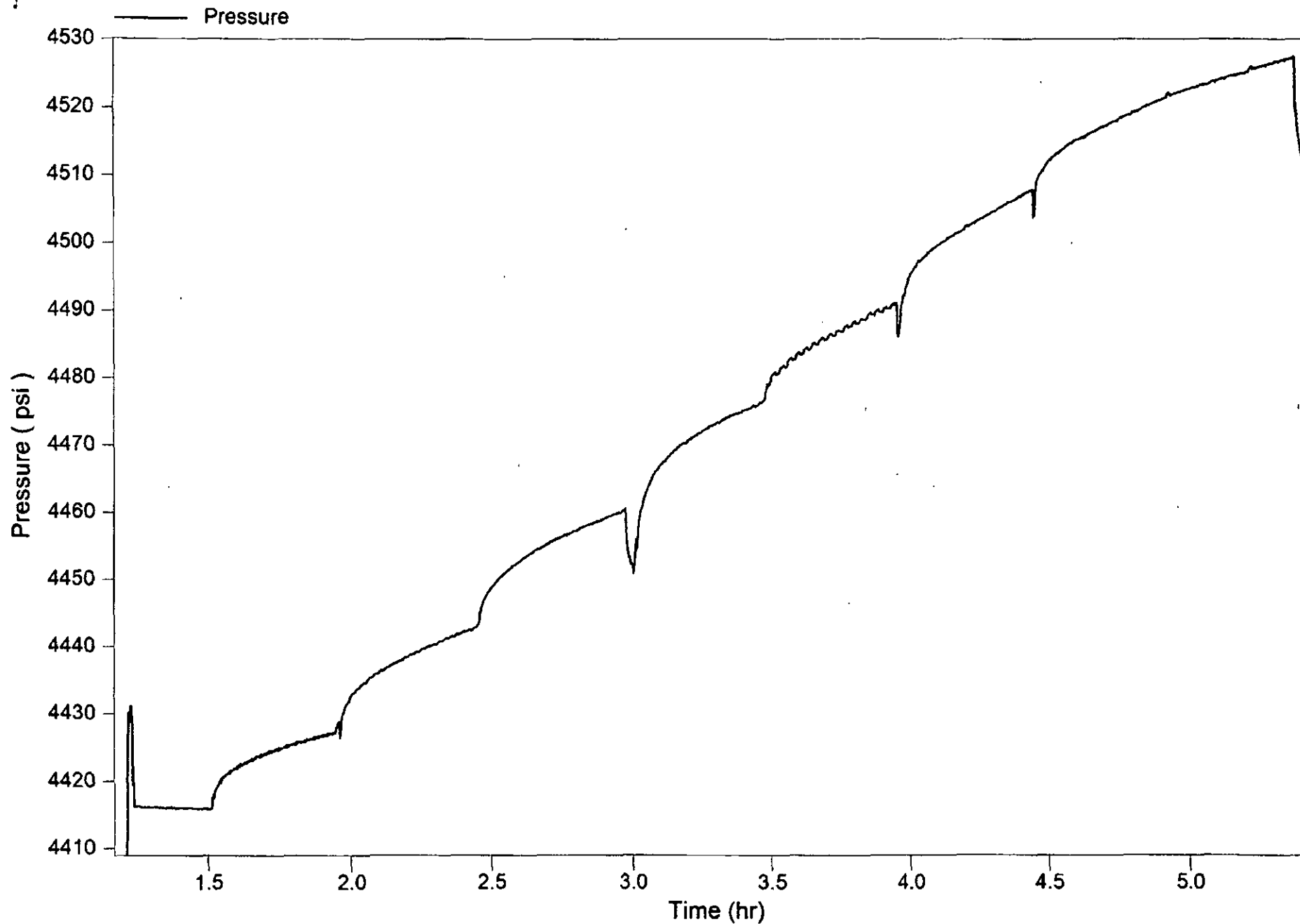
J CLEO THOMPSON - JCT FEDERAL "24" #1

Step Rate Test

7/23/2014

Bottom Hole Pressure Data @ 5,375'

Gauge #77844



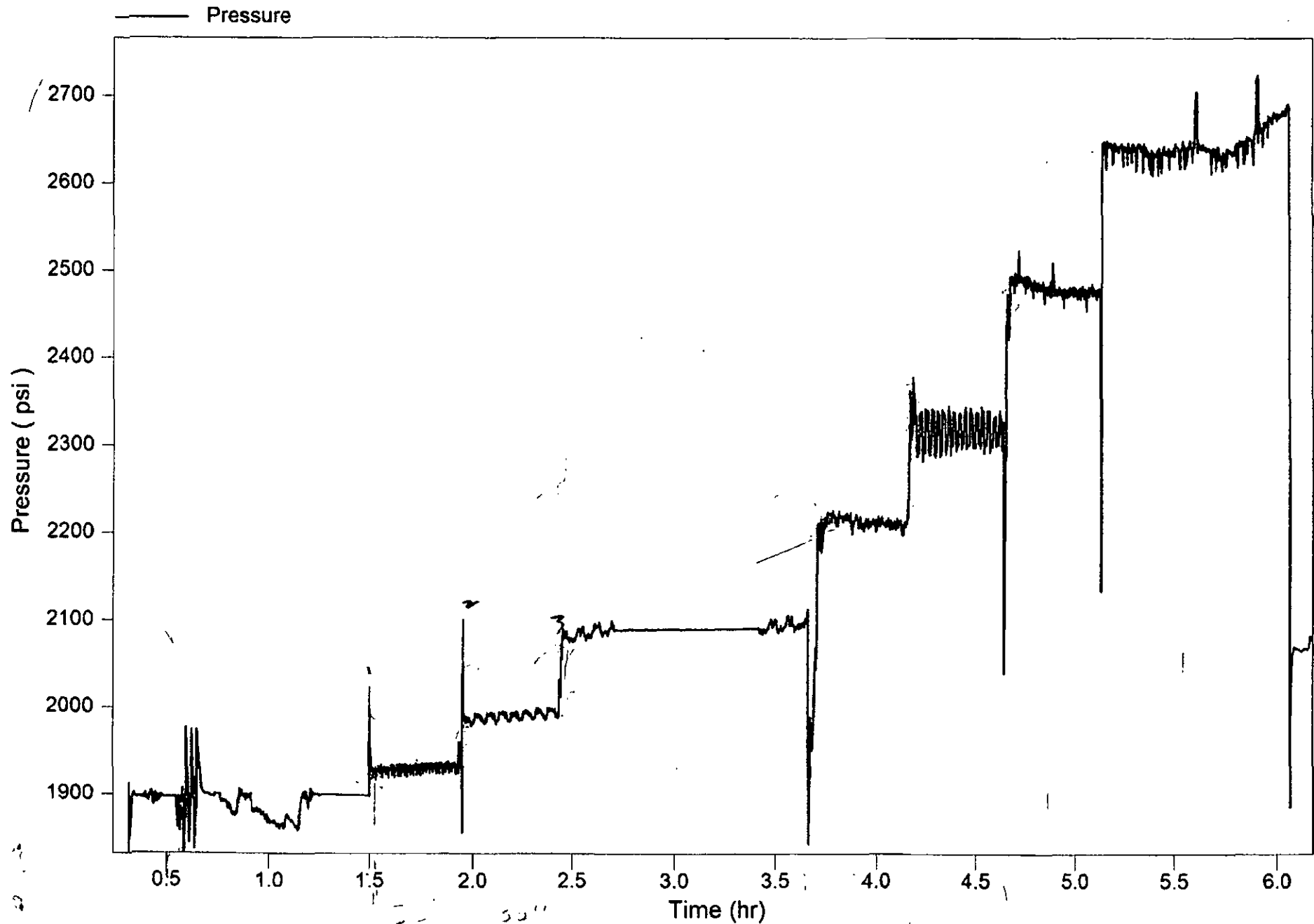
J CLEO THOMPSON - JCT FEDERAL "24" #1

Step Rate Test

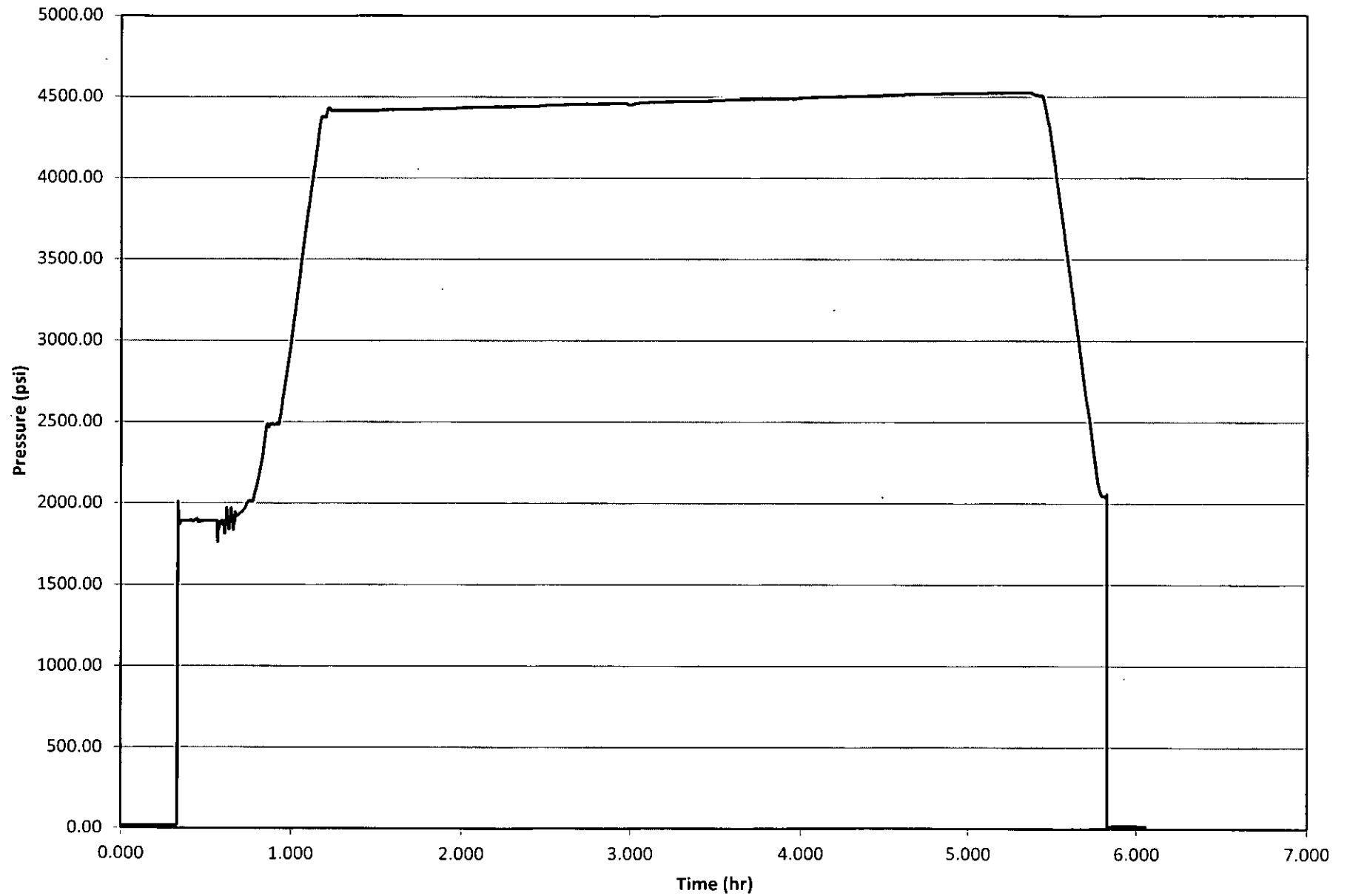
7/23/2014

Surface Pressure Data

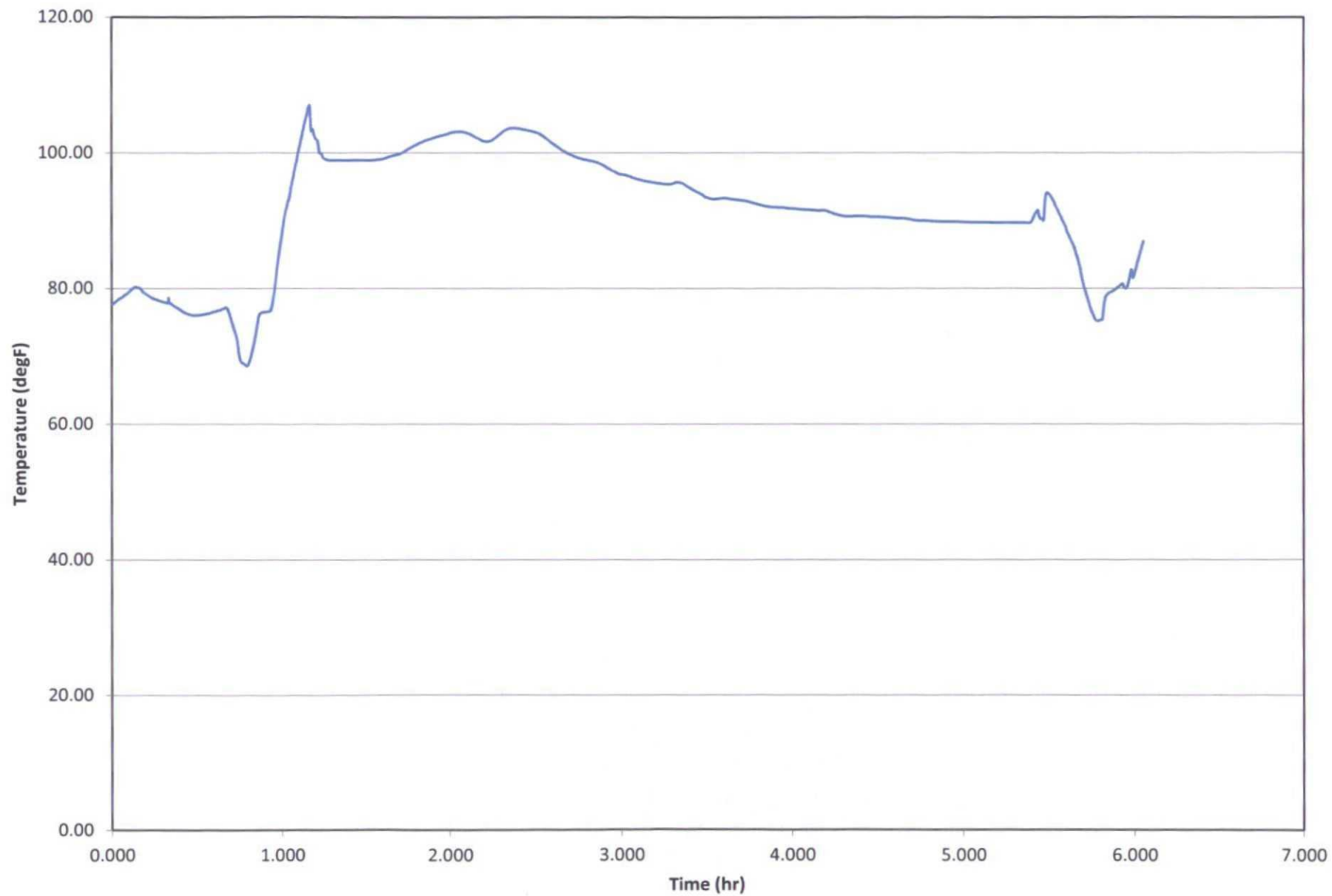
Gauge #10220



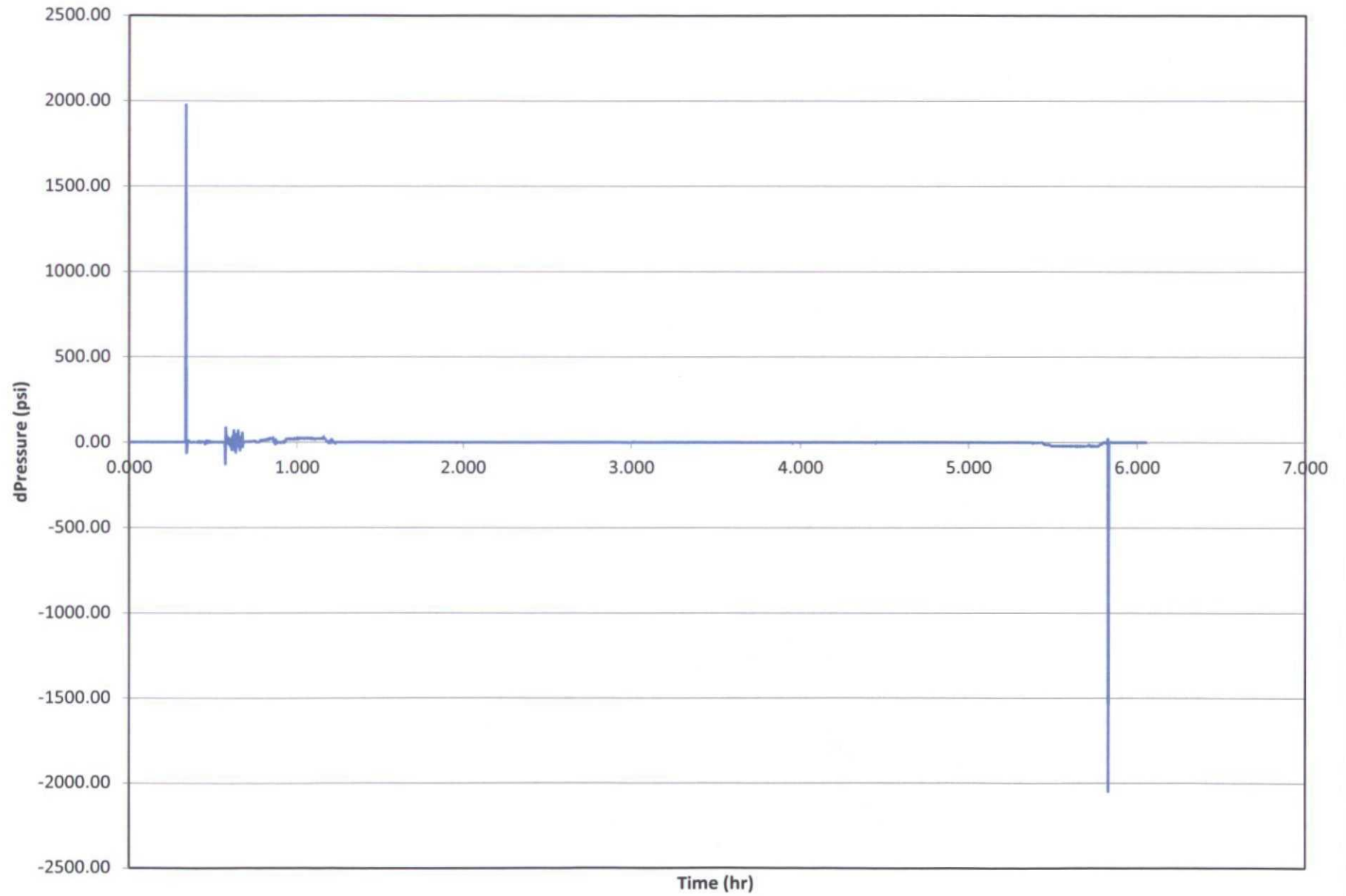
Pressure Graph



Temperature Graph



dPressure Graph



J. Cleo Thompson & James Cleo Thompson, JR., L.P.
P.O. Box 12577
Odessa, Texas 79768
(432)550-8887

August 12, 2014

Phillip R. Goetze
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, N.M. 87504

Re: Application of J. Cleo Thompson (11181) to increase injection pressure to the JCT FEDERAL 24 #1 (03-025-38569); salt water disposal well in the SAN ANDRES-GLOR-PAD-BLINEBRY Field, Lea County, New Mexico.

Dear Mr. Goetze,

The following items are being submitted for your consideration:

1. Step Rate Test
2. Wellbore Diagram

J. Cleo Thompson hereby files this application for increase to injection pressure for its JCT FEDERAL 24 #1 well.

This application should be complete. However, should you feel that you need further information or should have any questions, please do not hesitate to contact me at the letterhead telephone number or by email: sbilberry@jcleo.com

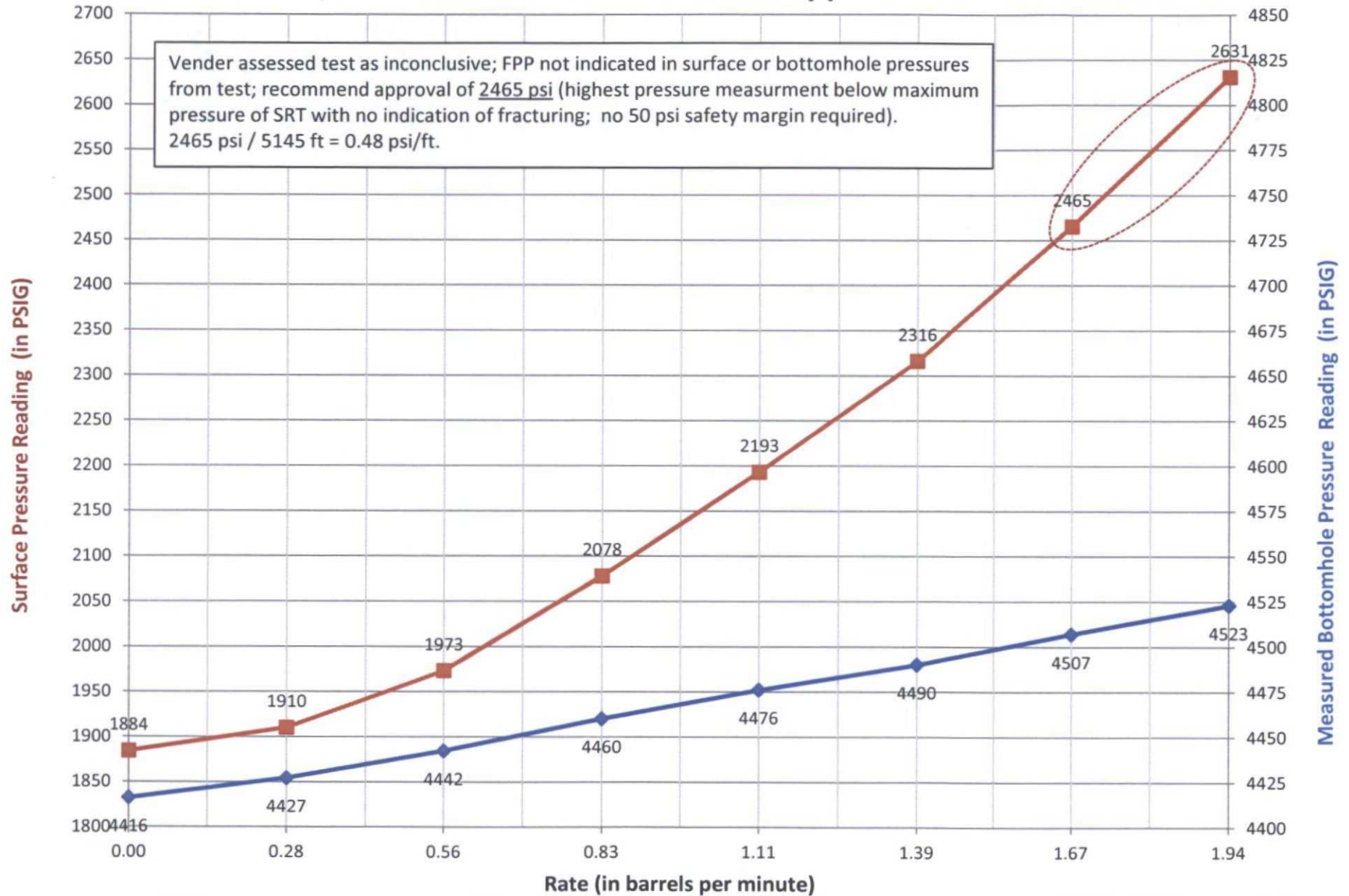
I request that all correspondence concerning this application, including the issued permit, be emailed to me at sbilberry@jcleo.com

Respectfully submitted,



Shelly Bilberry
Regulatory Specialist for J. Cleo Thompson

SWD-1215 / JCT Federal 24 Well No. 1 - IPI Application - SRT 2014 Results



Goetze, Phillip, EMNRD

From: Goetze, Phillip, EMNRD
Sent: Monday, February 23, 2015 12:00 PM
To: 'Shelly Bilberry'
Cc: McMillan, Michael, EMNRD; Jones, William V, EMNRD
Subject: IPI Application for the JCT Federal No.1

RE: JCT Federal No. 1 (30-025-38569) SWD-1215

Ms. Bilberry:

OCD received an application in August 2014 for an injection pressure increase for the JCT Federal No. 1. Review of the well file, SWD administrative order and application has found several issues. 1. The well completion/construction information presented in the application is not consistent with the information in the sundry notices (this well injects through both perforations and open-hole). Please provide an accurate well completion diagram for inclusion with the application. 2. The SWD order required an injection survey within the first year of commencing disposal and prior to any increase in pressure above the administratively approved value. Please provide a copy of the results of the survey to the Santa Fe office. 3. The C-115 submittals for this well show no pressure values except 0 psi. Please provide a list of the recorded injection pressures for each month of 2015.

Each of the three data requests must be addressed for the application to move forward. Please contact me either by phone or e-mail with any questions regarding these requests. Thank you. PRG

Phillip R. Goetze, P.G.
Engineering and Geological Services Bureau, Oil Conservation Division
1220 South St. Francis Drive, Santa Fe, NM 87505
O: 505.476.3466 F: 505.476.3462
phillip.goetze@state.nm.us

J. CLEO THOMPSON
JCT FEDERAL 24 SWD

February 2015

	<u>PRODUCED</u>
JCT FEDERAL #7	0 BBLS
JCT FEDERAL #13	3,708 BBLS
JCT FEDERAL #18	2,478 BBLS
	6,186 BBLS

	<u>INJECTED</u>
JCT FEDERAL 24 SWD #1	5,894 BBLS
Injection Pressure	2,000 PSI

J. CLEO THOMPSON
JCT FEDERAL 24 SWD
January 2015

	<u>PRODUCED</u>
JCT FEDERAL #7	0 BBLS
JCT FEDERAL #13	3,522 BBLS
JCT FEDERAL #18	2,570 BBLS
	6,092 BBLS

	<u>INJECTED</u>
JCT FEDERAL 24 SWD #1	6,037 BBLS
Injection Pressure	2,000 PSI

INJECTION PROFILE

State	New Mexico	Other: ☐
		State ☐
		Country ☐
		Other: ☐

and we cannot and do not guarantee the accuracy or correctness of our part, be liable or responsible for any loss, costs, damages, or of our officers, agents or employees. These interpretations are also in our current Price Schedule.

Certificates

LOG WAS SET TO PACKER DEPTH TALLY PER COMPANY MAN (JOHN HUGHES).

PERFORATIONS

OPEN HOLE: 5145' - 6500'

INJECTION WELL:

SHUT-IN DATE 3-17-2015 HOUR 3:30 P.M. TOTAL SI TIME 1 HOUR SI PRESS 2050 - PSI
METERED INJ. RATE 1130 B/D PRESSURE 2100-PSI TEMP 104.6 FLUID TYPE WATER
TOTAL VOLUME TO DATE FLUID LEVEL TUBING FULL

PRODUCER:

FLOWING	PUMPING	CHOKES SETTING	HOURS PROD
FLUID LEVEL CSO.	TBG.	RATE	BAW
FLUID TYPE WATER			B/O

FRAC OR ACID WELLS:

TIME FINISHED FRAC OR ACID	ACID %	FLUID - GALS	SAND #
RATE - BPM	PRESSURE		

CONCLUSIONS

THIS SURVEY WAS RUN TO DETERMINE THE ZONES OF INJECTION, THERE WAS NO INDICATION OF A PACKER LEAK OR AN UPWARD CHANNEL FROM THE CASING SHOE.

100% CASING RATE -1129 - B/D
100% TUBING RATE -1128 - B/D

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	WT (lb)
			1.58CHD 1.38 Cable Head	1.00	1.58	2.00

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			1.38CHD 1.38 Cable Head	1.00	1.38	2.00
			SBAR-1.375" (000) 7' 1.375" Tungsten Sinter Bar	7.00	1.38	81.00
			DUMJECT PROBE (DUMPROBE)	2.17	1.38	10.00
CCL	8.94		CCL-Probe (Probe_1)	1.42	1.38	
			DUMDET-SIE (KCPOS) 1.375" SIE G/R	3.46	1.38	10.00
			DUMCAL-PROBE (PROBE01) PROBE XY CALIPER	3.43	1.38	20.00
TEMP	0.00		TEMP.Probe (P01) Probe 1 3/8" Temp	1.55	1.38	4.00
Dataset: jcfed.db: FED/1/DEPTH/pase8 Total Length: 20.02 ft Total Weight: 107.00 lb O.D.: 1.38 in						

Company:
Well:
File: C:\Warrior\Data\jcfed.db
Dataset: FED/1/TRACER/_tracer/_f_shottabl_1
Reference Rate: 1119.9 b/d

TRACER RESULTS

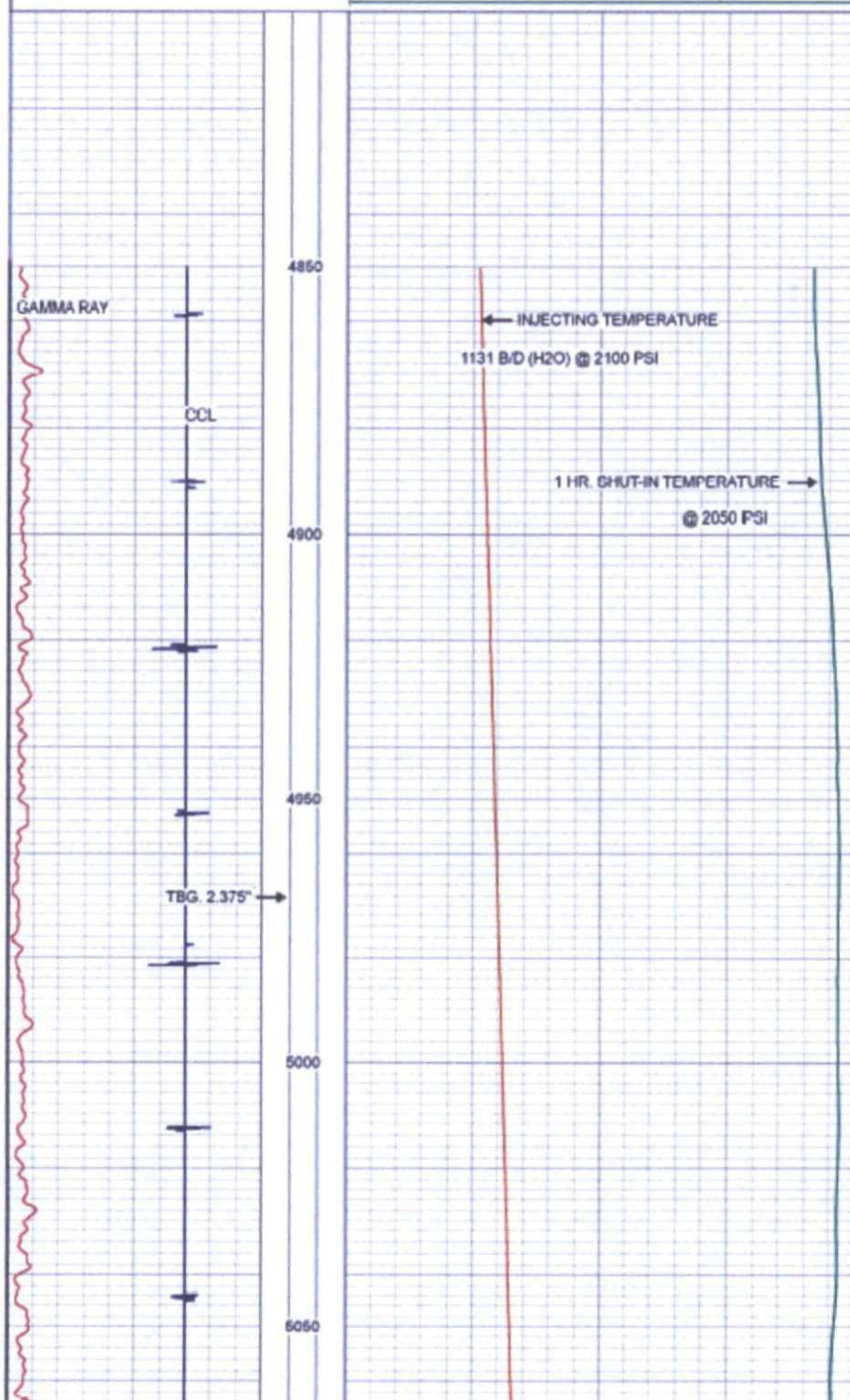
#	Depth (ft)	Time	Integration	Flow (%)	Delta (%)	Comment
2	4802.00	09:40:14	191855.00	100.00		
3	4960.00	09:40:50	191855.00	100.00	0.00	
4	5113.00	09:41:20	191855.00	100.00	0.00	
5	5132.00	09:42:23	191855.00	100.00	0.00	
6	5153.00	09:43:53	171358.00	89.32	10.68	
7	5171.00	09:45:28	171358.00	89.32	0.00	
8	5193.00	09:47:16	171358.00	89.32	0.00	
9	5212.00	09:49:06	171358.00	89.32	0.00	
10	5240.00	09:51:13	171358.00	89.32	0.00	
11	5270.00	09:53:01	171358.00	89.32	0.00	
12	5307.00	09:55:52	171358.00	89.32	0.00	

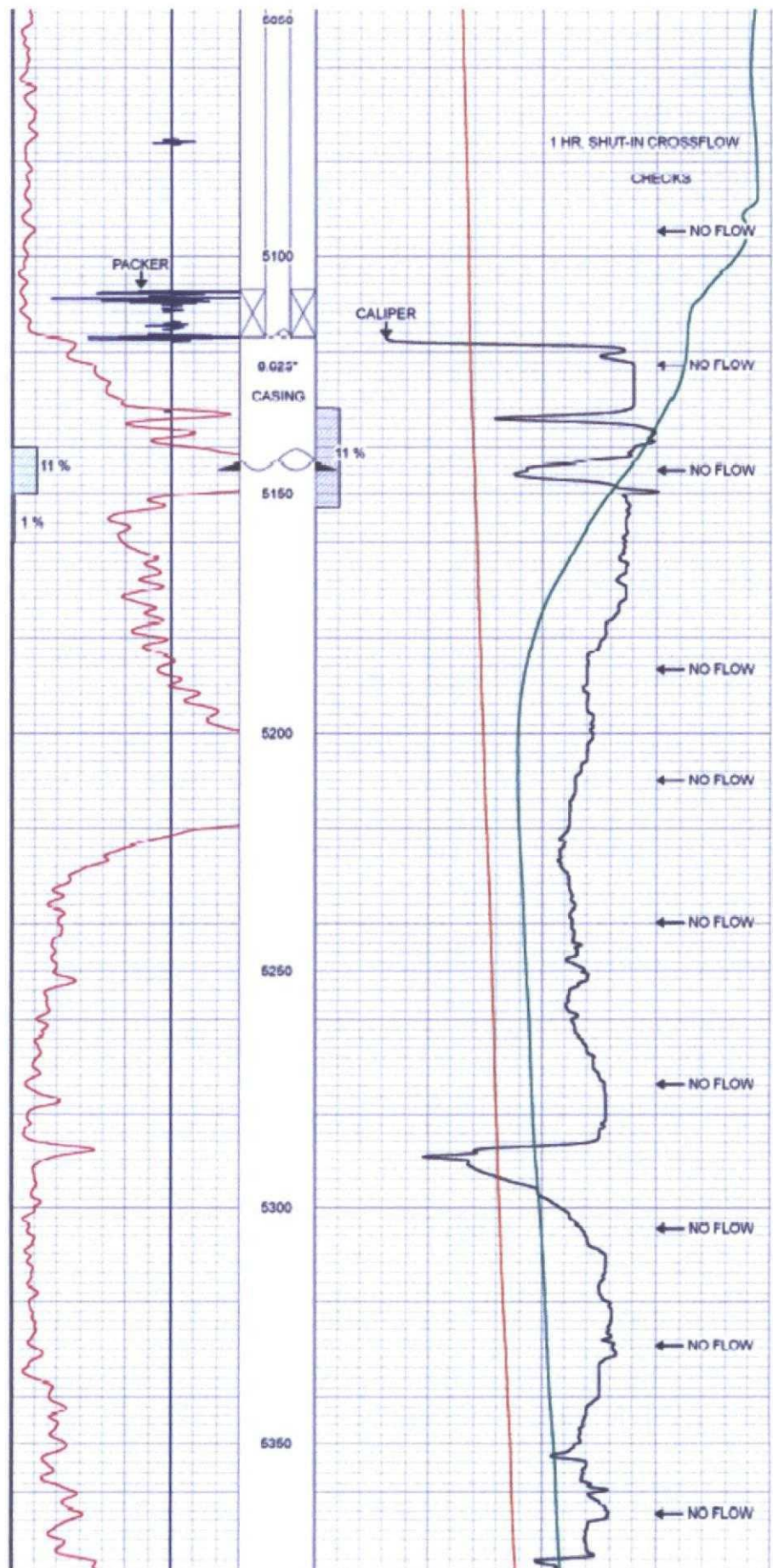


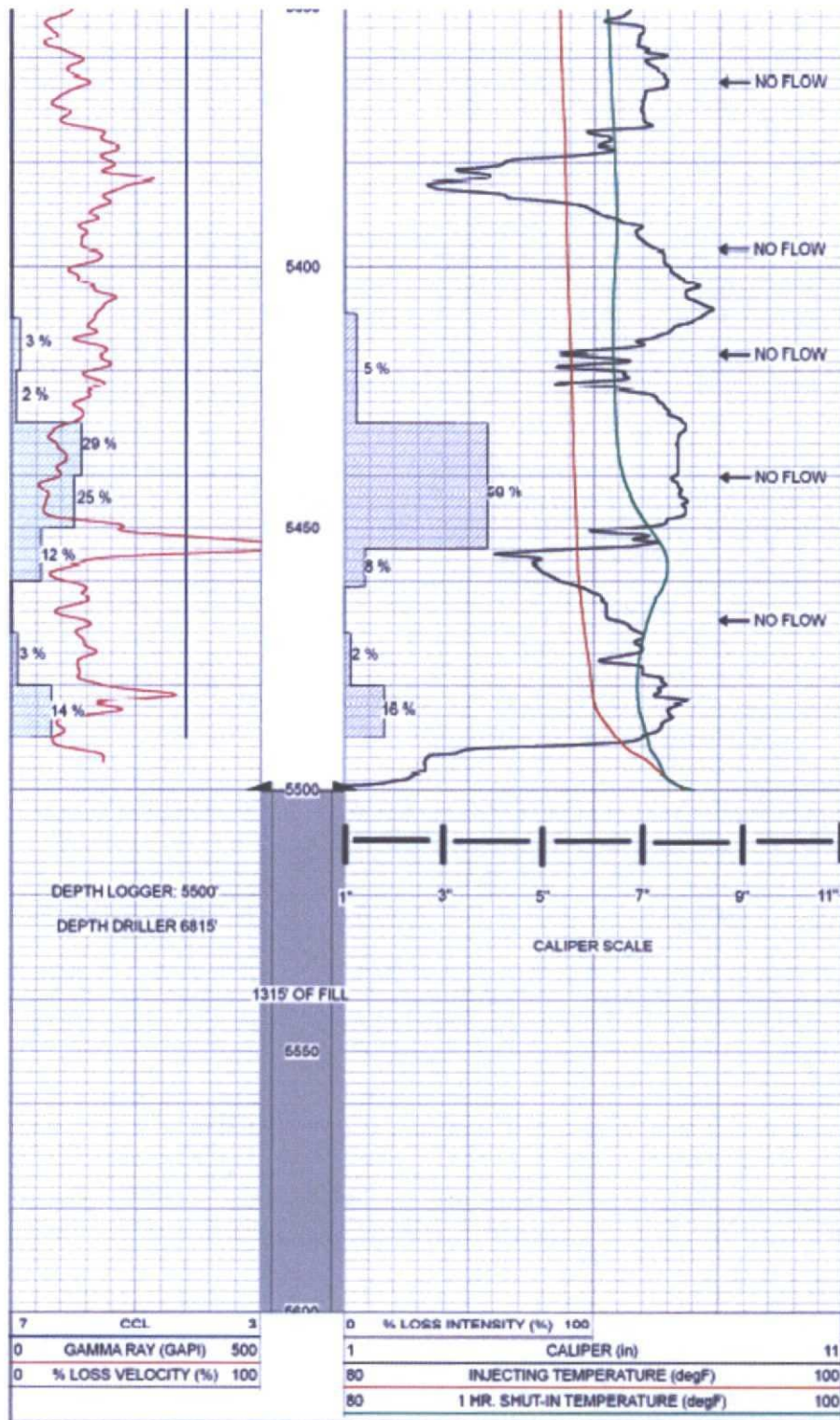
H2O Injection Composite

Database File: jufed.db
Dataset Pathname: FED/1/VEL/_composMER
Presentation Format: trcomp
Dataset Creation: Tue Mar 17 13:57:13 2015
Charted by: Depth in Feet scaled 1.240

-7	CCL	3	0	% LOGG INTENSITY (%)	100
0	GAMMA RAY (GAPI)	500	1	CALIPER (in)	11
0	% LOSS VELOCITY (%)	100	80	INJECTING TEMPERATURE (degF)	100
			80	1 HR. SHUT-IN TEMPERATURE (degF)	100







H2O Tracer Profile

Database File: jcfed.db
Dataset Pathname: FED\1\TRACER_profile3_
Presentation Format: trznmf

TRACER RESULTS

#	Depth (ft)	Time	Integration	Flow (%)	Delta (%)	Comment
2	4802.00	09:40:14	191855.00	100.00		
3	4960.00	09:40:50	191855.00	100.00	0.00	
4	5113.00	09:41:20	191855.00	100.00	0.00	
5	5132.00	09:42:23	191855.00	100.00	0.00	
6	5153.00	09:43:53	171358.00	89.32	10.68	
7	5171.00	09:45:28	171358.00	89.32	0.00	
8	5193.00	09:47:16	171358.00	89.32	0.00	
9	5212.00	09:49:06	171358.00	89.32	0.00	
10	5240.00	09:51:13	171358.00	89.32	0.00	
11	5270.00	09:53:01	171358.00	89.32	0.00	
12	5307.00	09:55:52	171358.00	89.32	0.00	
13	5332.00	09:58:02	171358.00	89.32	0.00	
14	5360.00	10:00:07	171358.00	89.32	0.00	
15	5386.00	10:01:57	171358.00	89.32	0.00	
16	5409.00	10:03:42	171358.00	89.32	0.00	
17	5430.00	10:05:37	161980.00	84.43	4.89	
19	5454.00	10:08:48	51995.70	27.10	57.33	
20	5461.00	10:10:43	35995.70	18.76	8.34	
21	5470.00	10:12:54	35995.70	18.76	0.00	
22	5480.00	10:16:59	30995.70	16.16	2.61	
18	5490.00	10:07:21	0.00	0.00	16.16	

VELOCITY FROM TRACER

#	Depth (ft)	Time	D Space (ft)	D Time (sec)	Flow (b/d)	Flow (%)	Delta (b/d)	Delta (%)
23	4960	09:40:50	158.00	35.00	1129.11	100.00		
24	5113	09:41:20	150.00	33.50	1119.94	100.00	9.17	0.00
25	5132	09:42:23	16.50	57.08	1125.79	100.00	-5.85	0.00
26	5153	09:43:53	23.00	85.00	994.64	88.81	131.15	11.19
27	5171	09:45:28	18.00	90.88	992.11	88.59	2.53	0.23
28	5193	09:47:16	22.00	108.00	994.32	88.78	-2.21	-0.20
29	5214	09:49:06	23.50	105.00	938.04	83.76	56.28	5.03
30	5240	09:51:13	29.00	121.55	994.21	88.77	-56.16	-5.01
31	5270	09:53:01	28.75	111.44	989.71	88.37	4.50	0.40
32	5307	09:55:52	37.00	163.93	890.75	79.54	98.96	8.84
33	5332	09:58:02	26.00	137.88	884.00	78.93	6.75	0.60
34	5360	10:00:07	28.00	118.39	987.03	88.13	-103.04	-9.20
35	5386	10:01:57	26.00	107.00	989.28	88.33	-2.25	-0.20
36	5409	10:03:42	23.00	111.00	989.97	88.40	-0.69	-0.06
37	5430	10:05:37	21.00	111.52	931.45	83.17	58.52	5.23
38	5454	10:08:48	24.00	203.48	297.70	26.58	633.75	56.59
39	5461	10:10:43	7.50	112.02	205.33	18.33	92.36	8.25
40	5470	10:12:54	8.00	146.76	202.86	18.11	2.48	0.22
41	5480	10:16:59	10.00	250.45	178.08	15.90	24.78	2.21
42	5490	10:07:21	0.00	300.00	0.01	0.00	178.07	15.90

Company:
Well:
File: C:\WarriorData\jcfed.db
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Reference Rate: 1124.2 b/d

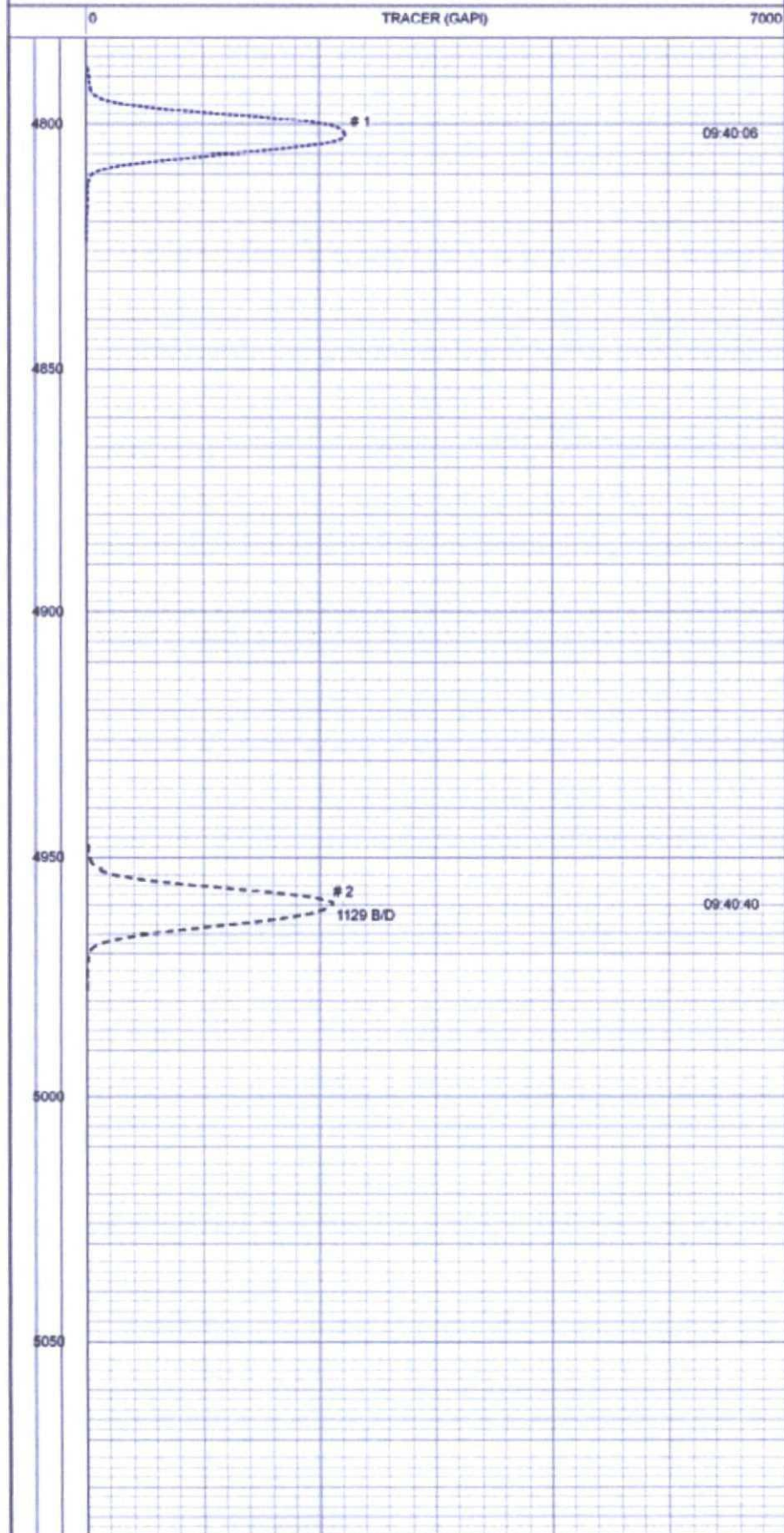
VELOCITY RESULTS

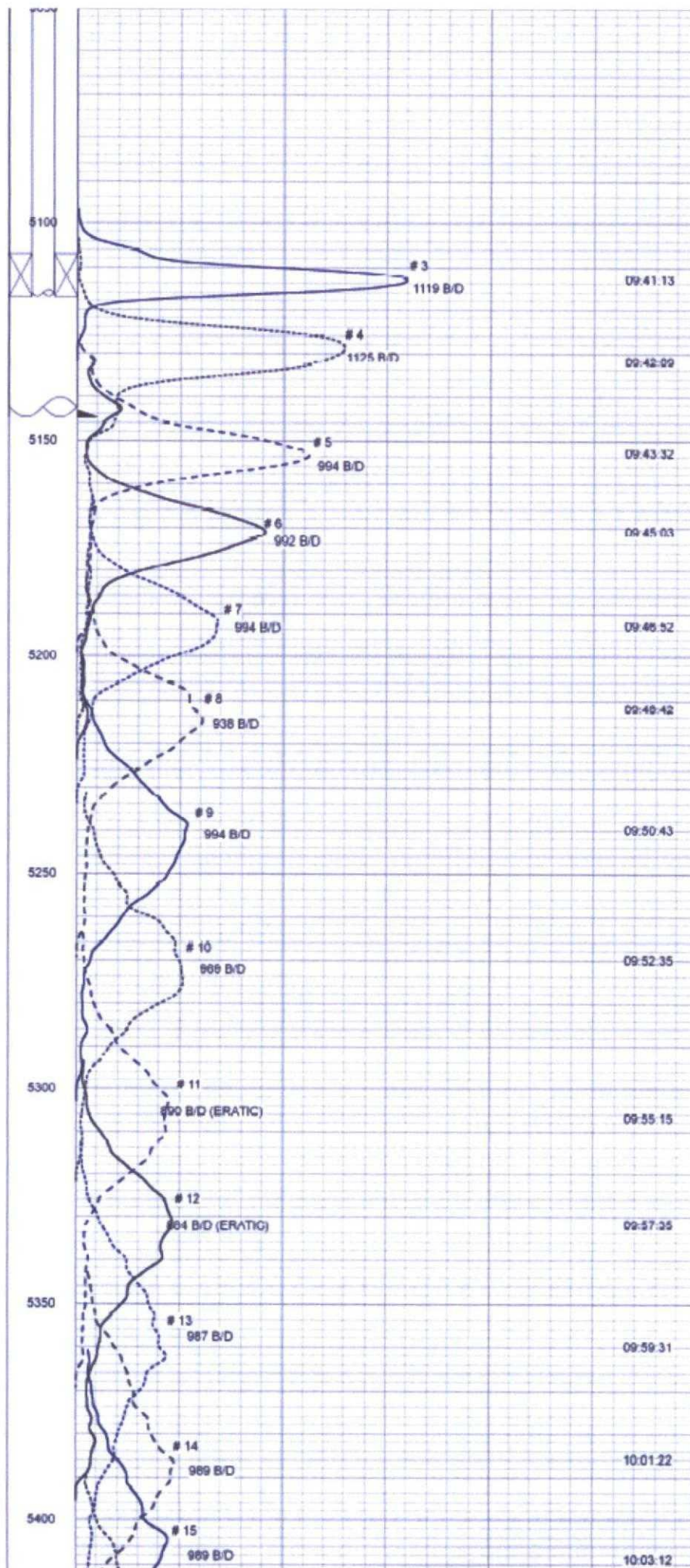
#	Depth (ft)	Time	D Space (ft)	D Time (sec)	Csg ID (in)	Flow (b/d)	Flow (%)	Delta (%)	Comment
22	4849.05	10:44:43	200.00	44.20	1.80	1131.76	100.00		DROP CHE
20	5109.00	10:12:35	5.00	9.00	1.80				PACKER CI
19	5140.00	10:36:37	4.81	17.74	8.23	1124.18	100.00	0.00	
21	5150.00	10:43:17	4.81	18.00	7.84	1002.21	89.15	10.85	
18	5160.00	10:35:37	4.81	18.15	7.84	993.09	88.34	0.81	
11	5400.00	10:29:47	4.81	15.71	7.30	990.07	88.07	0.27	
10	5410.00	10:29:04	4.81	19.00	8.00	990.03	88.07	0.00	
9	5420.00	10:27:45	4.81	8.40	5.33	954.20	84.88	3.19	
8	5430.00	10:26:44	4.81	14.40	6.80	932.76	82.97	1.91	
7	5440.00	10:26:10	4.81	28.00	7.69	619.16	55.08	27.90	
6	5450.00	10:25:17	4.81	50.00	7.59	337.47	30.02	25.06	
5	5460.00	10:23:35	4.81	47.00	5.80	204.59	18.20	11.82	
4	5470.00	10:21:58	4.81	60.10	6.51	204.36	18.18	0.02	
3	5480.00	10:20:16	4.81	79.00	6.97	179.22	15.94	2.24	
2	5490.00	10:18:07	0.00	300.00	7.35	0.01	0.00	15.94	

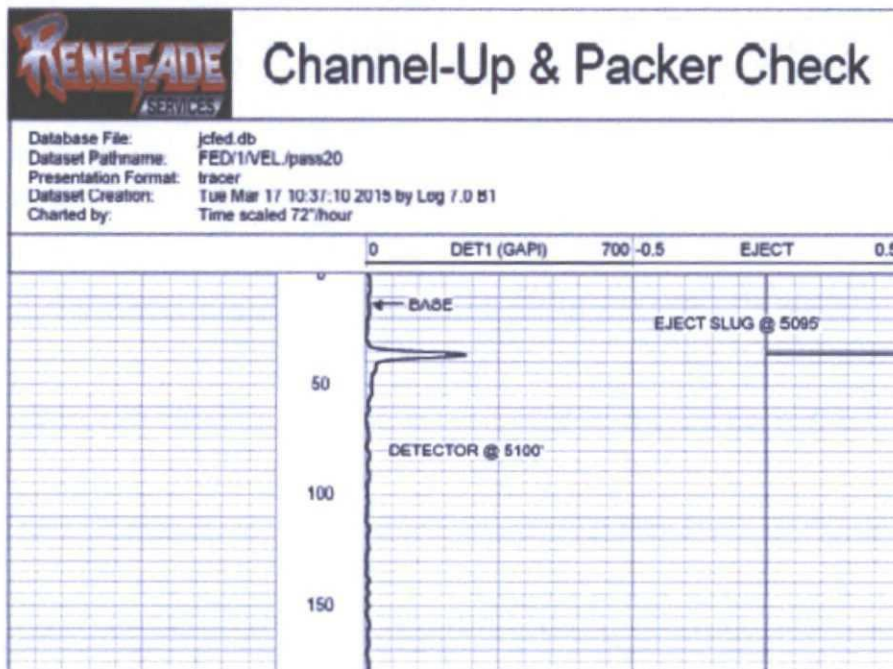
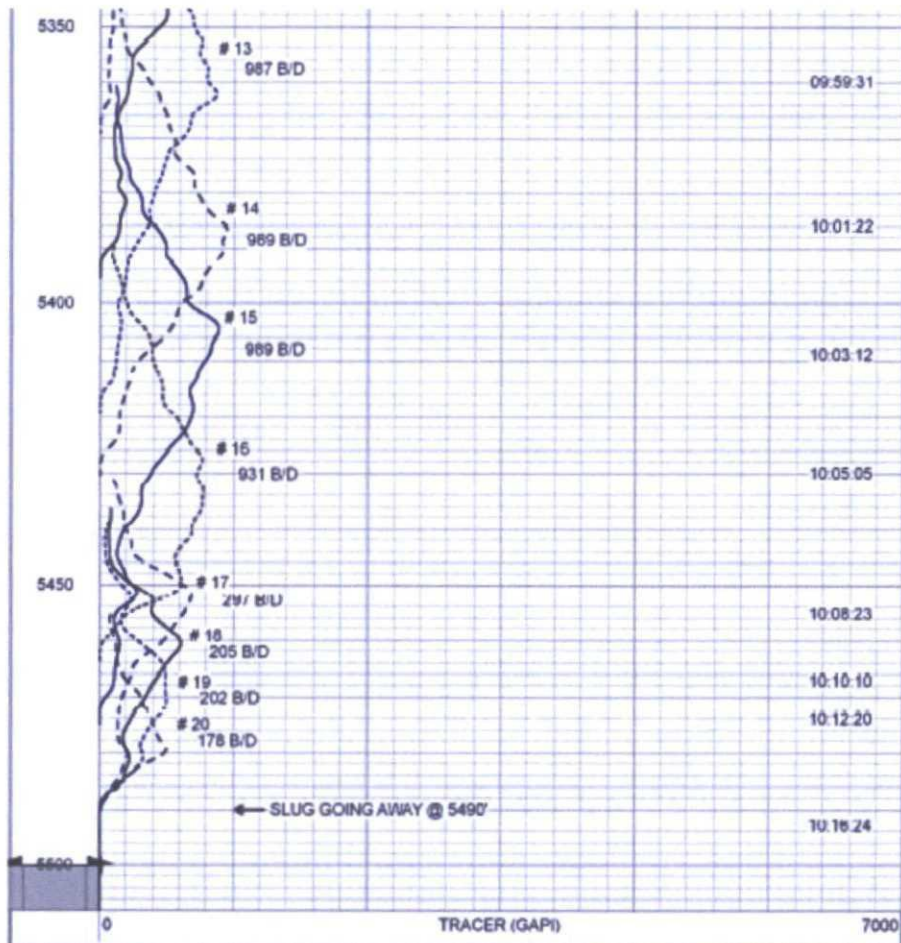


H2O Tracer Profile

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Presentation Format: trcprof
Dataset Creation: Tue Mar 17 11:27:52 2015
Charted by: Depth in Feet scaled 1.240



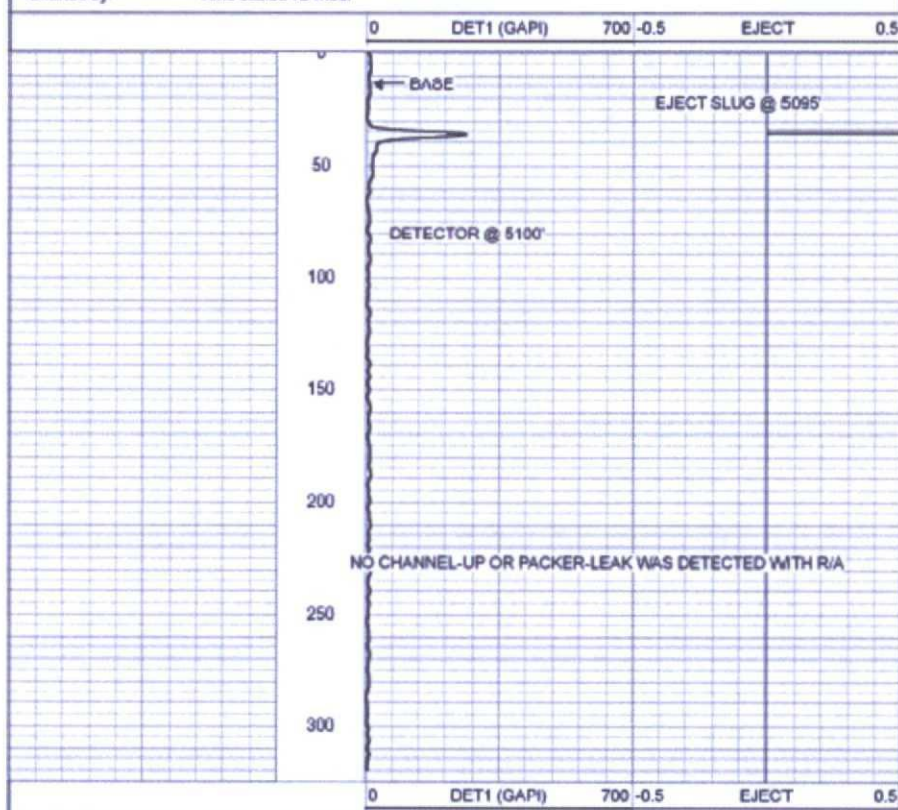






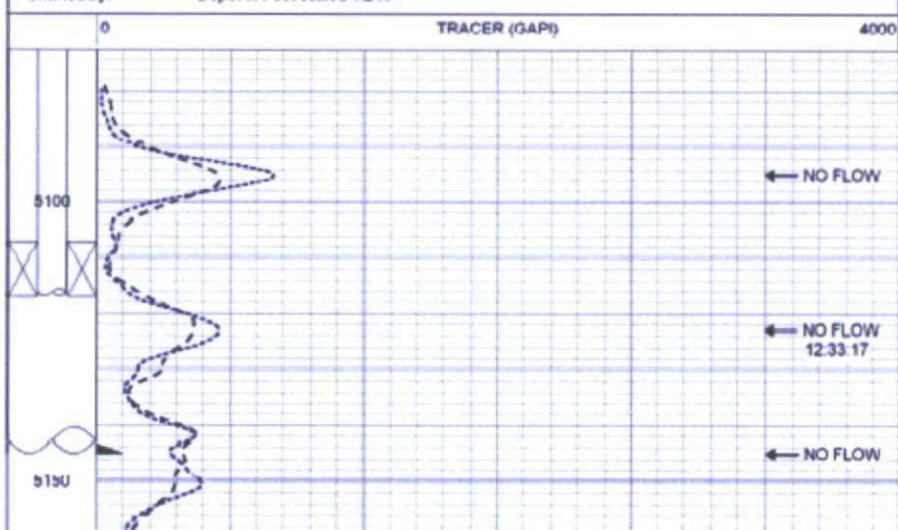
Channel-Up & Packer Check

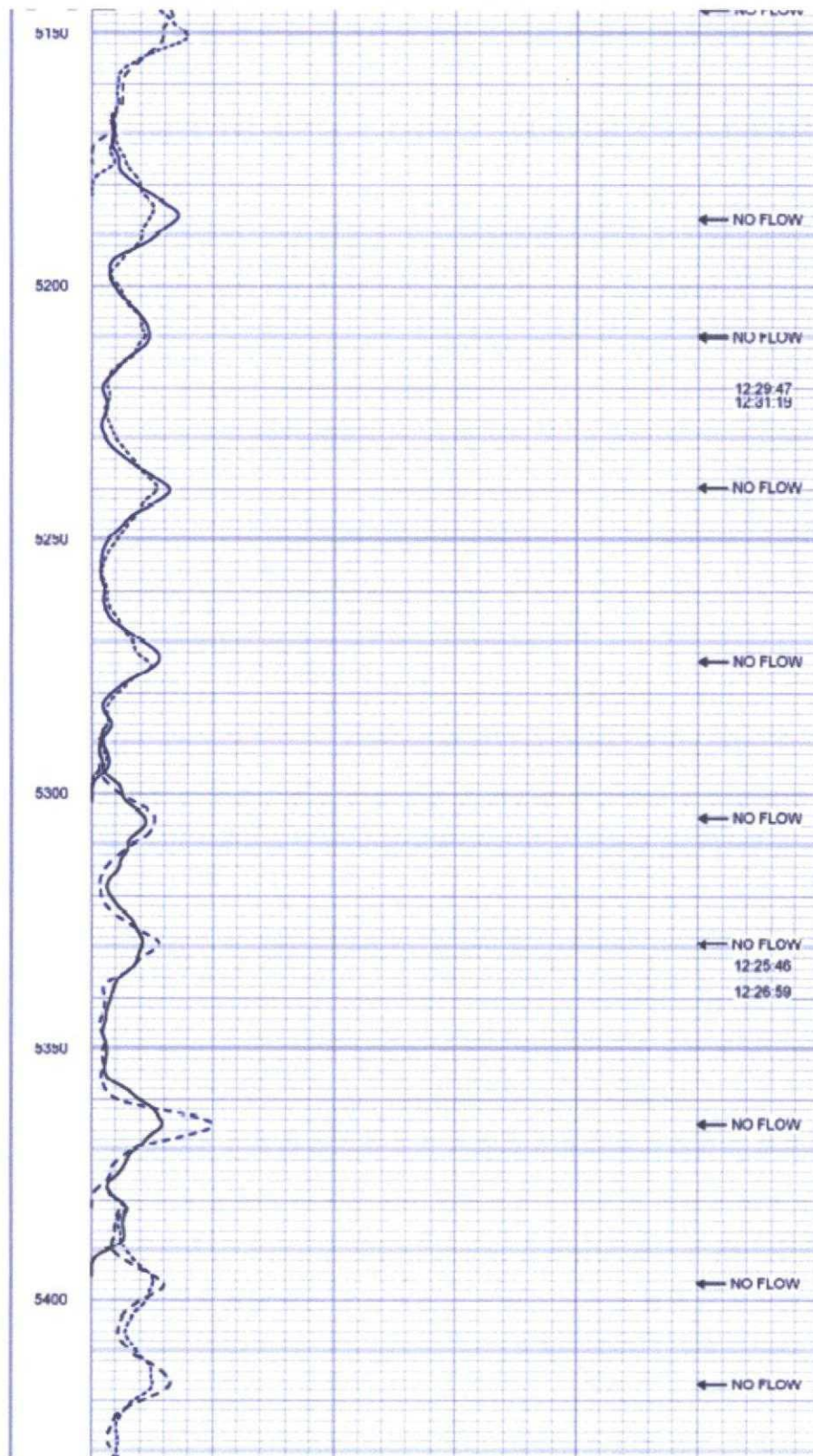
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Dataset Creation: Tue Mar 17 10:37:10 2015 by Log 7.0 B1
Charted by: Time scaled 72"/hour

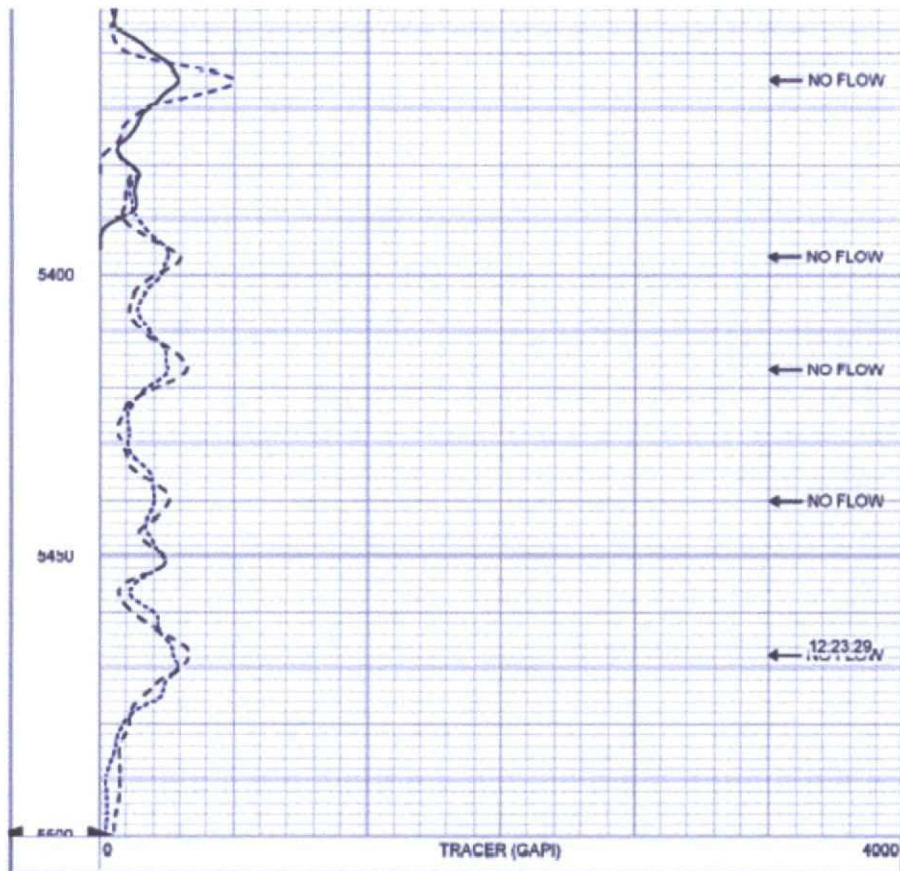


1 Hr. Shut-In Crossflows

Database File: jcfed.db
Dataset Pathname: FED/1/XFLOWS/_profile2_
Presentation Format: trcprof
Dataset Creation: Tue Mar 17 12:35:23 2015
Charted by: Depth in Feet scaled 1:240







	Company	J. Cleo Thompson
	Well	J.C.T. 24- #1
	Field	Federal
	County	Lea
	State	New Mexico