

06/14/12 DATE IN	SUSPENSE	Ezeanyim ENGINEER	06/15/12 LOGGED IN	PI TYPE	0500 1216757061 APP NO.
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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.

Janes B. Campanella
Print or Type Name

Signature

Member/Manager
Title

6/12/2012
Date

jbc@judahoil.com
e-mail Address

JUDAH OIL, LLC

Oil and Gas Operating

RECEIVED OCD

June 12-, 2012

2012 JUN 14 P 12:41

New Mexico Oil Conservation Division
1220 South Francis Drive
Santa Fe, NM 87505

Attn: Richard Ezeanyim

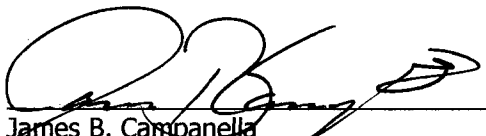
Certified Mail Receipt No. 7011 2000 0001 8867 8373

**Reference: Step-Rate-Test on Jamoca Federal SWD No. 1 (A-29-T17S-R31E)
API # 30-015-32265, Date September 26, 2011**

Dear Mr. Ezeanyim,

Please find the certified report on the subject Step-Rate Test report and prepared by Van S. Welch II, PE State of Texas # 66291. As presented in this report, the subject well did not fracture up to a surface pressure of 2970 psi and 6053 psi bottom-hole pressure. On November 9, 2011, I requested a pressure increase from 1780 psi to 2500 psi. This request was granted on 12/11/2011, IPI#409. I respectfully request the limiting surface pressure be increased from 2500 psi to 2900 psi based on the enclosed Step-Rate Test.

Respectfully,



James B. Campanella
Judah Oil, LLC

(Encl)

JUDAH OIL

Review of Step-Rate Test Dated Sept 26, 2011

Jamoca Federal SWD Well No. 1

API # 30-015-32265

A-29-T17S-R31E

Date : October 2011

DISCLAIMER - THIS REVIEW IS BASED ON THE INFORMATION COLLECTED ON LOCATION BY VAN WELCH, PE, OF V&C PROPERTIES, LLC (V&C) DURING A STEP-RATE-TEST ON THE JAMOCA FEDERAL SWD WELL NO. 1. THE INFORMATION COLLECTED WAS FROM RISING STAR SERVICES (SURFACE RATES AND PRESSURES) AND KELTIC SERVICES (BHP DATA). ALL DATA WAS ACCEPTED AS TRUE AND VALID. V&C DOES NOT GUARANTEE THE RESULTS OF ANY ACTIONS TAKEN BASED ON THIS REVIEW NOR DOES V&C ACCEPT ANY RESPONSIBILITY FOR ANY DECISIONS OR ACTIONS TAKEN BY JUDAH OIL, ANY PARTNERS TO JUDAH OIL, ANY ASSOCIATES OF JUDAH OIL AND/OR OTHER THIRD PARTIES OR AGENCIES (PRIVATE OR GOVERNMENTAL) WITH WHOM JUDAH OIL MAY SHARE THIS REVIEW.

Prepared by:

Van S. Welch II, PE # 66291 State of Texas

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Technical Review

Preface

This is a review prepared by V&C Properties, LLC. (V&C) of Duncan, Oklahoma. Mr. Van Welch, Professional Engineer (No. 66291 State of Texas) has performed the "Technical Review" of the Step-Rate-Test (SRT) conducted on the Jamoca Federal SWD Well No. 1, Eddy Co. New Mexico on September 26, 2011. Mr. Welch was physically present to collect all necessary data and assure that the Step-Rate-Test was properly performed in accordance with industry standards. The SRT program and pressure data collection met industry standards.

Disclaimer - V&C does not accept any responsibility for any decisions or actions taken by Judah Oil (its Partners, any associates of Judah Oil, third-parties or governmental agencies) relative to this "Technical Review". Due to the many uncertainties relative to individual wells and reservoirs, V&C cannot make any guarantees as to the best practices for future reservoir performance on the Jamoca Federal SWD Well No. 1 as presented in this document.

Summary Result

As discussed in the review, the surface and bottom-hole pressure (BHP) data establish that the well has not fractured up to a surface pressure of 2970 psi or 6053 psi bottom-hole.

Discussion

Mr., Welch collected surface and BHP data from a SRT conducted on September 26, 2011. The OCD in Artesia NM was contacted as to when the SRT was to be conducted but the OCD was not able to physically witness the test. The SRT program was emailed to both OCD offices in Santa Fe (Mr. Warnell) and Artesia (Mr. Dade). The surface data set on the SRT are included as **Appendix I**, a copy of Rising Star Services, surface pressure and rates report, and **Appendix II**, is copy of Keltic Services BHP report which only reported BHP on 1 to 5 minute intervals. (Note: Keltic accidentally used the facility name in its report and not the well name).

The procedures used in the SRT were as follows:

1. Run Bottom-Hole Gauge to 9250 ft Mid-Point Perfs
2. Load Annulus
3. Start Rate 1 BPM constant for 30 Minutes and Record Pressures
4. Increase Rate to 2 BPM for 30 Minutes and Record Pressures
5. Increase Rate to 3 BPM for 30 Minutes and Record Pressures
6. Increase Rate to 4 BPM for 30 Minutes and Record Pressures
7. Increase Rate to 5 BPM for 30 Minutes and Record Pressures
8. 20 Hour Shut-in Bottom-Hole Pressure Fall-Off-Test (FOT)
9. At SI Record Surface ISIP, 5, 10 and 15-Minute SIP's

Figure 1 illustrates the wellbore at the time of the SRT.

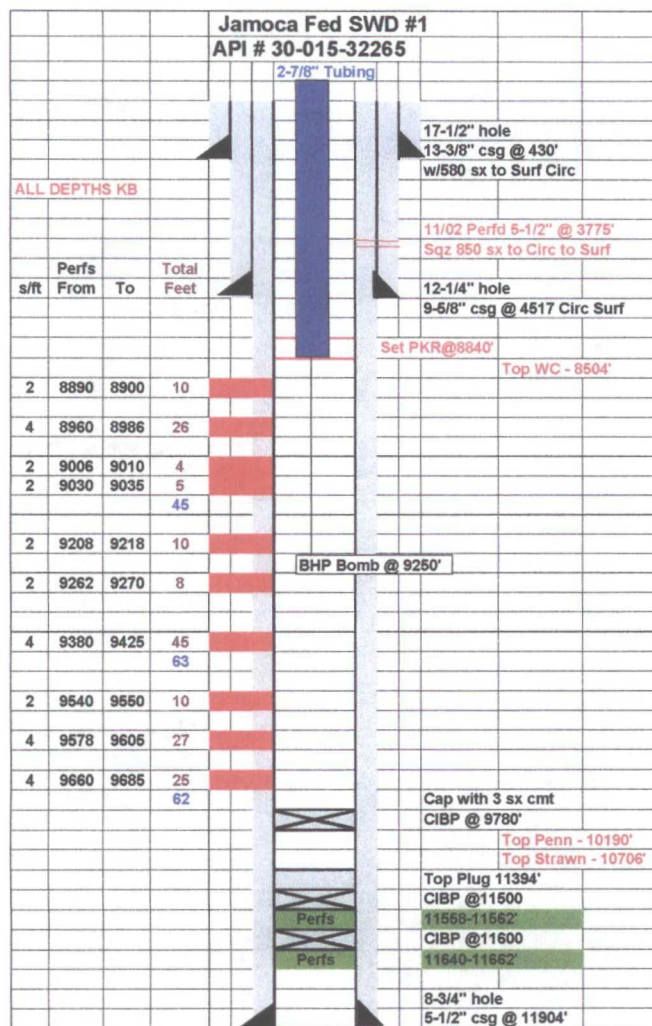


Figure 1 Wellbore Diagram

This review included graphing the data collected by Mr. Welch in a standard SRT format of plotting the surface and BHP at the end of each 30 minute (approx) injection period as a function of injection rate. Data used for these plots are shown in Table 1.

Table 1: SRT Pressure Data

JAMOCA FED SWD # 1			
Ending Time	Rate BPM	Surf PSI	BHP PSI
10:12	0	80	4435
10:44	1	520	4673
11:14	2	1030	4964
11:44	3	1630	5303
12:14	4	2210	5631
12:43	5	2970	6053

The surface and bottom-hole graphs of this data are shown in **Figure 2**, surface pressure, and **Figure 3**, bottom-hole pressure. Please note that the tabulated surface pressure data on the first page of Rising Star's report *are starting pressures* at the beginning of each injection period and *are not ending pressures* as collected by Mr. Welch. Also the last pressure of the 5 BPM period is 2790 psi (as shown on their chart) and not the 1540 psi shown on their table.

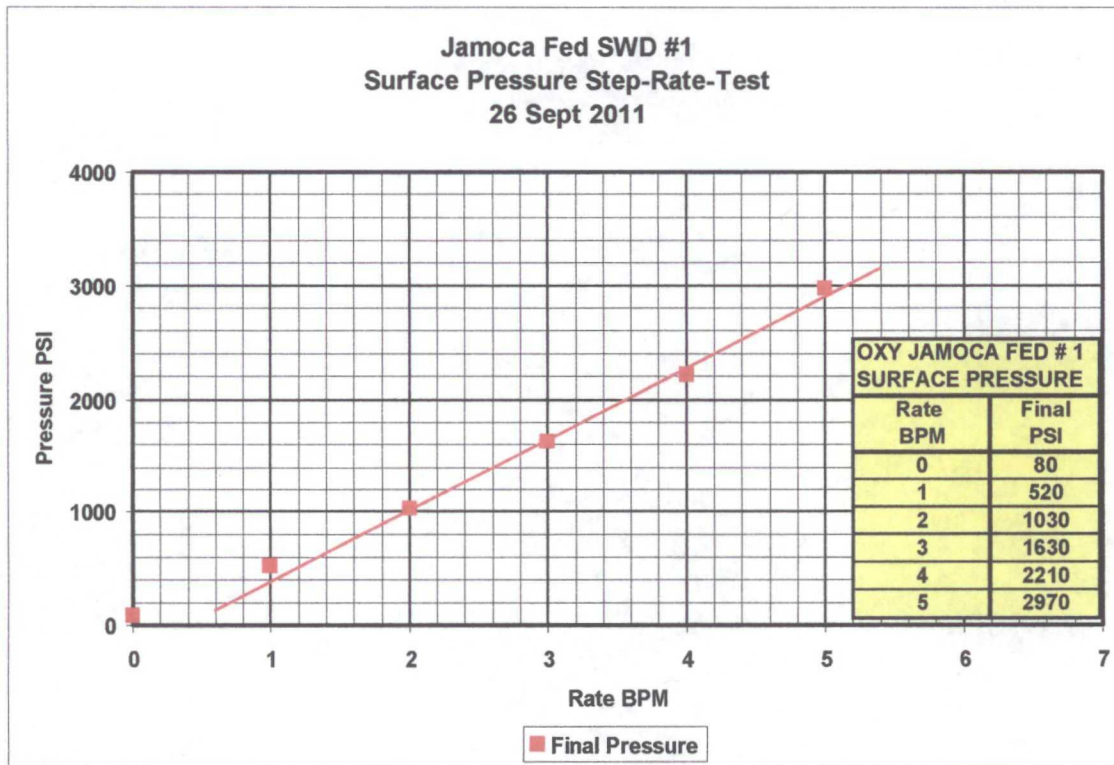


Figure 2: Surface Pressure SRT

Mr. Welch received the complete BHP data file from Keltic which had pressures on 15 second readings. The report attached from Keltic only has limited data attached and ranges from 1 minute to 5 minute readings. Therefore, there are some minor discrepancies between the data Mr. Welch graphed and the data attached to this report. Also, for reasons not known, Mr. Welch found a 14 psi difference from the detailed computer file and the written report. However this difference is not significant to this review and it doesn't impact any limiting surface pressure that may be allowed for this well.

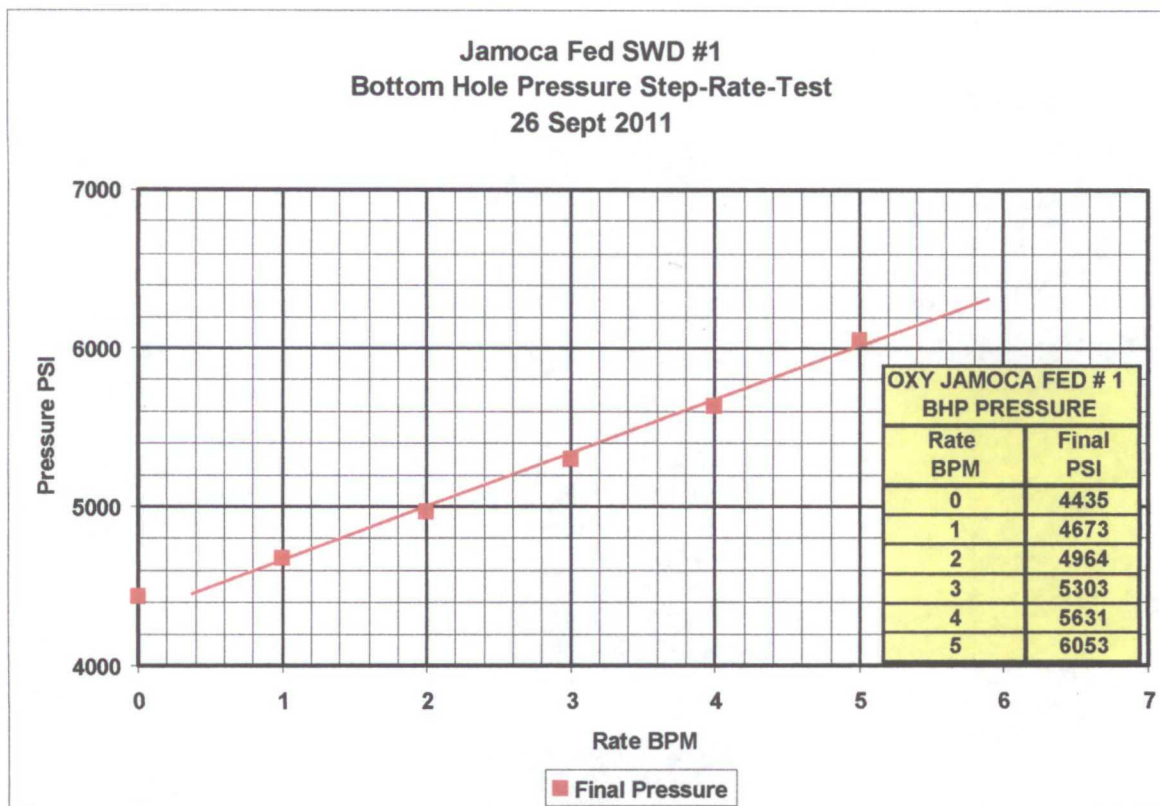
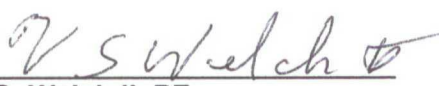


Figure 3: Bottm-Hole Pressure SRT

Both pressure graphs are representative of a typical SRT illustrating a continued increased pressure with each rate increase. Neither graph illustrates the characteristic break associate with fracturing the reservoir in which the pressure increase is significantly reduced with each incremental increase in rate. Please note that the final FOT pressure after 20 hrs from the detailed computer file was the same (4435 psi) as the initial BHP prior to the SRT, showing complete fall-off. Although the analysis is not included here, analysis of the FOT shows no fracturing and reaching radial flow. ✓


Van S. Welch II, PE
V&C Properties, LLC.
President
Professional Engineer State of Texas (PE No. 66291)

Seal

Appendix :1 Rising Star Surface Rate and Pressure Report



Date: 26-Sep-11 Time: 5:00AM
 Truck Called: 26-Sep-11 7:00AM
 Arrived at job: 26-Sep-11 8:45AM
 Start Job: 26-Sep-11 12:58PM
 Finish Job: 26-Sep-11 1:30PM
 Leave Location: 26-Sep-11

Job Log

RISING STAR SERVICES LP.		Customer Name: Judah Oil Company		Ticket Number: H2011-1042	
P.O. BOX 61193		Lease Name: Oxy Jamoca Fed			
MIDLAND, TEXAS 79711		Well #: 1		Supervisor: Noel Jimenez	
OFFICE # 432-617-0114		Type of Job: Step Rate		County: Eddy	
FAX #432-339-0140		Date: 9/26/2011		CUSTOMER REPRESENTATIVE: Blaise Campanella	
Tubing Size:	N/A	Casing size:	N/A	Packer:	N/A
Tubing weight:	N/A	Casing weight:	N/A	Top Perf:	N/A
Tubing bbl/inf:	N/A	Total Depth:	N/A	Bottom Perf:	N/A
Rotafiner depth:	N/A	Total Pipe:	N/A	Annular Volume:	N/A
Packer depth:	N/A	Open Hole:	N/A	BHST:	N/A
End of tubing:	N/A	Shoe Joint:	N/A	BHCT:	N/A
Perfs:	N/A	Displacement:	N/A bbls	Average Pressure:	N/A Lbs.
Holes in casing:	N/A	Pre-Flush:	N/A bbls	Average rate:	N/A Bpm
Max Pressure:	N/A Lbs.	Max Rate:	N/A Bpm	Total Load to Recover:	
Min Pressure:	N/A Lbs.	Min. Rate:	N/A Bpm	450.00 :Bbls	

Acid Systems					
Acid System:	N/A	Gallons	N/A		
Diverter:	N/A	Balls	N/A	Coarse Rock Salt	N/A
Injection Rate:		Job Pressures		Job Log Remarks:	
Time	Rate:	Bbls in	Tbg psi		
7:00AM					ARRIVE ON LOCATION
7:05AM					SPOT EQUIPMENT & RIG UP
8:20AM					SAFETY MEETING & JSA
8:45AM	2.5				START ON WATER TO LOAD THE BACKSIDE TO 1000 PSI
8:48AM	1	11	20		LOADED UP WITH 11BBLs.
8:50AM		11.5	1120		SHUT DOWN
10:09AM			5300		TEST LINES
10:12AM	1		200	860	START ON WATER HOLD RATE AT 1.0 BPM
10:14AM			300	840	SHUT DOWN WELL HEAD IS LINKING
10:18AM	1		280	820	START ON WATER HOLD RATE AT 1.0 BPM
10:44AM	2	30	720	590	WALK UP RATE TO 2.0 BPM
11:14AM	3	90	1340	400	WALK UP RATE TO 3.0 BPM
11:44AM	4	180	1920	340	WALK UP RATE TO 4.0 BPM
12:14PM	5	300	2640	320	WALK UP RATE TO 5.0 BPM
12:43PM		450	1540	220	SHUT DOWN
12:43PM			1750		ISIP
12:48PM			1150		5 MIN.
12:53PM			880		10 MIN.
12:58PM			720		15 MIN.
Error Should Be 2970 psi Chart Is Correct					
SERVICE REPRESENTATIVE: Signature Please		CUSTOMER REPRESENTATIVE: Signature Please			
Noel Jimenez		X			

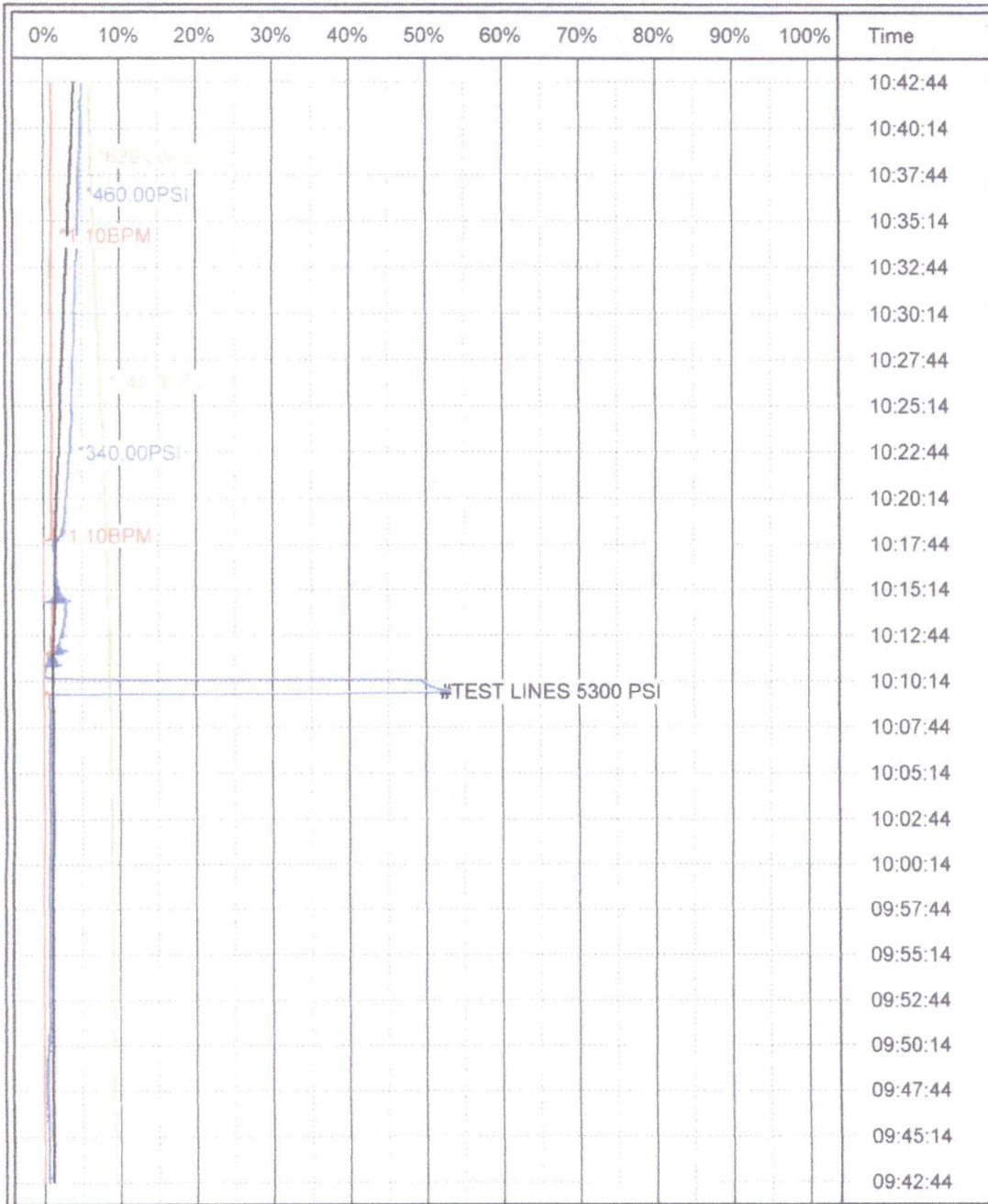
2207 Fairway Dr, Duncan OK, 73533 Cell 281.635.1718 Fax 509.562.9684

File Name	20110926-1.CSV	Memo.	Sep.26.11
	0.00	Press A (DownHole)	10000.00 PSI
		Press B (Backside)	10000.00 PSI
	0.00	Rate A	100.00 BPM
	0.00	Total A+B	1000.00 Brls



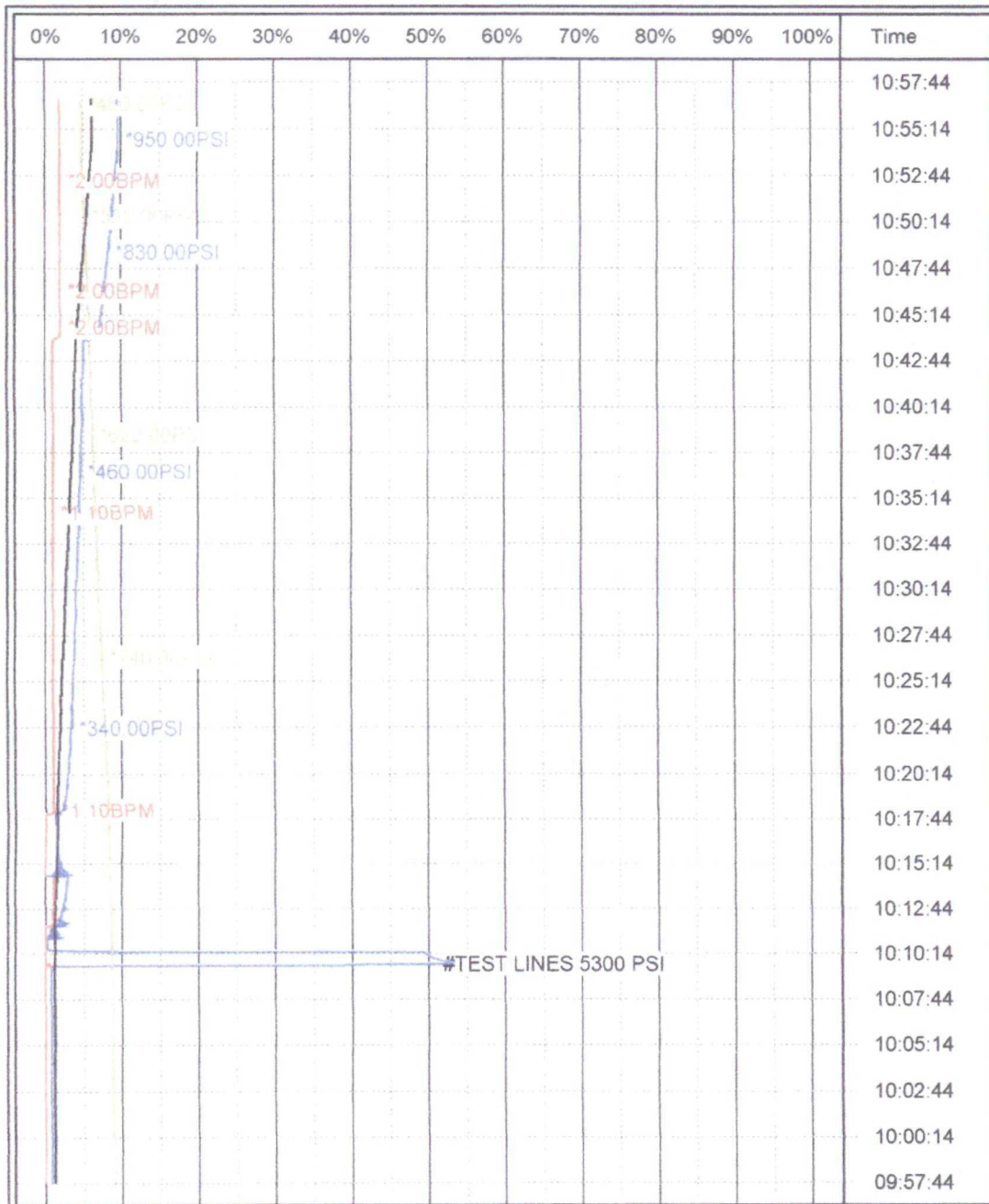
2207 Fairway Dr, Duncan OK, 73533 Cell 281.635.1718 Fax 509.562.9684

File Name	20110926-1.CSV	Memo.	Sep.26.11
0.00	Press A (DownHole)	10000.00	PSI
0.00	Rate A	100.00	BPM
0.00	Total A+B	1000.00	Brls

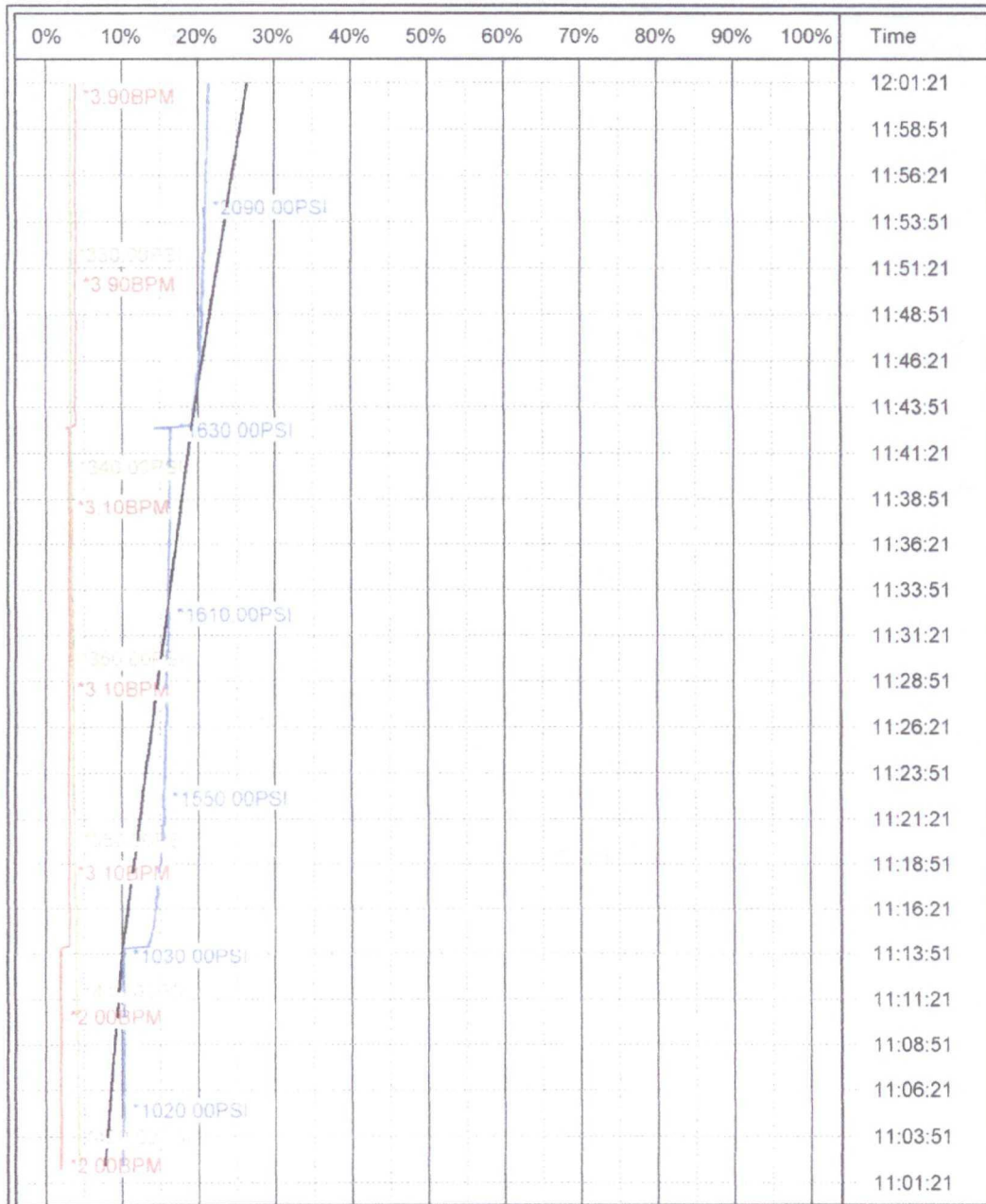


2207 Fairway Dr, Duncan OK, 73533 Cell 281.635.1718 Fax 509.562.9684

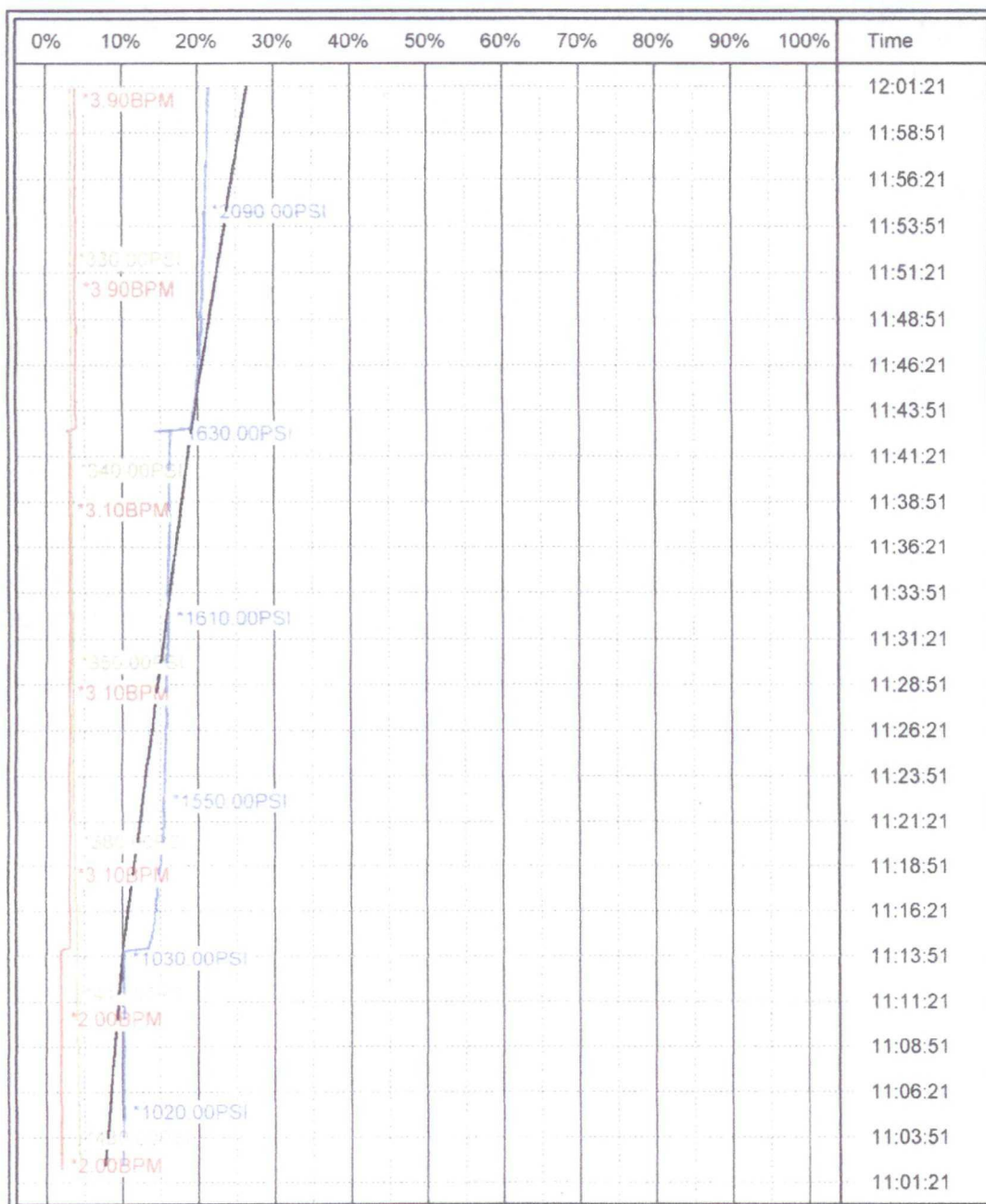
File Name	20110926-1.CSV	Memo.	Sep.26.11
0.00	Press A (DownHole)	10000.00	PSI
0.00	Rate A	100.00	BPM
0.00	Total A+B	1000.00	Brls



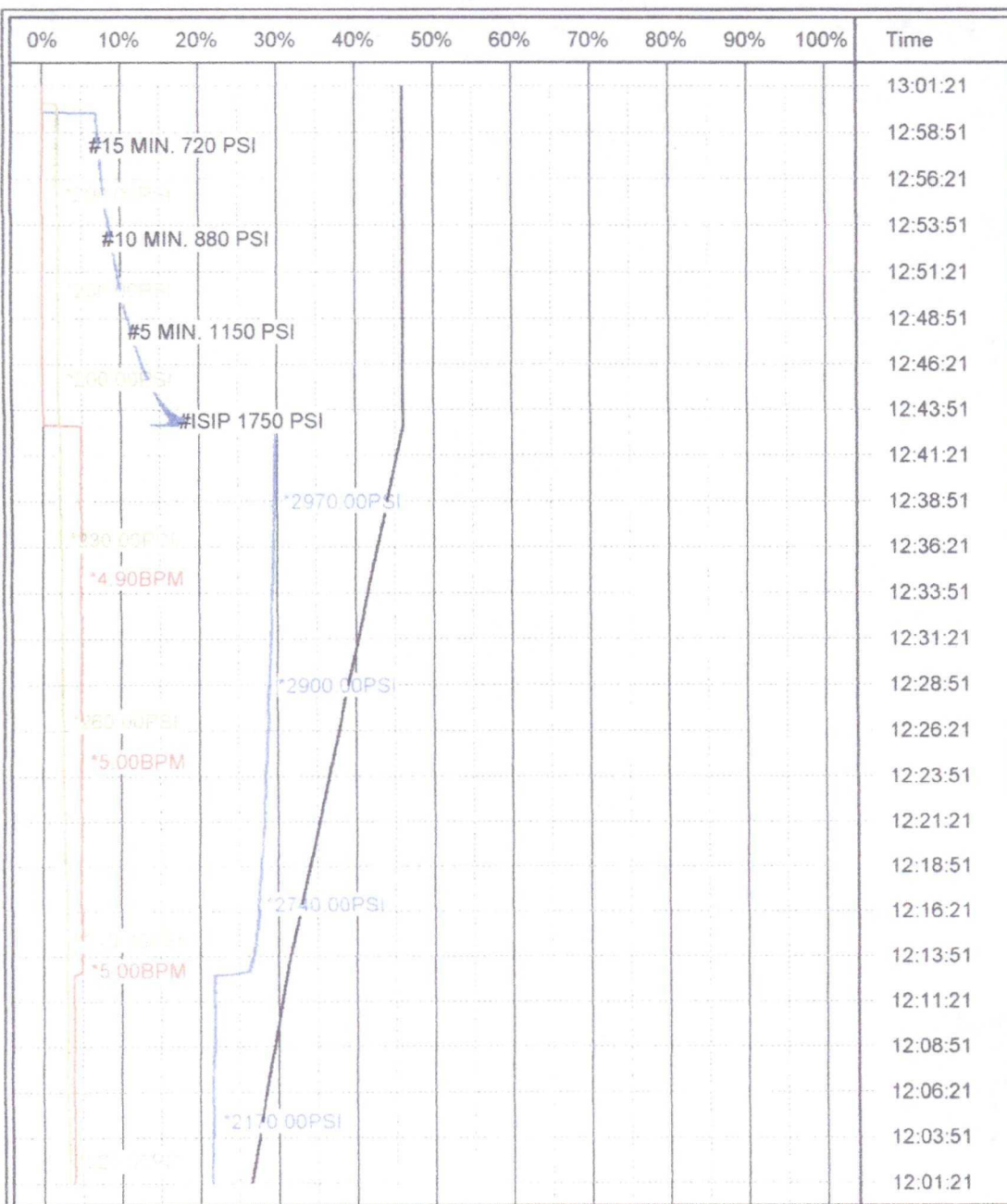
File Name	CURRENT.CSV	Memo.	Sep.26.11
0.00	Press A (Down Hole)	10000.00	PSI
0.00	Rate A	100.00	BPM
0.00	Total A+B	1000.00	Bris



File Name	CURRENT.CSV	Memo.	Sep.26.11
	0.00	Press A (DownHole)	10000.00 PSI
	0.00	Rate A (BackSiph)	2000.00 BPM
	0.00	Rate A	100.00 BPM
	0.00	Total A+B	1000.00 Brls



File Name	CURRENT.CSV	Memo.	Sep.26.11
	0.00	Press A (DownHole)	10000.00 PSI
	0.00	Rate A	100.00 BPM
	0.00	Total A+B	1000.00 Brts



2207 Fairway Dr, Duncan OK, 73533 Cell 281.635.1718 Fax 509.562.9684

Appendix :2 Keltic Services Bottom-Hole Pressure Report**Pressure Test Report****COMPANY INFORMATION**

Company Name
Representative
Phone
Fax
Address

JUDA OIL
BLAZE CAMPANELLA

E-Mail Address
Service Company

KELTIC SERVICES

WELL INFORMATION

Well Name
Well Location
Field and Pool
Status (Oil, Gas, Water, Injection)
Perforated Intervals
Mid-point of Perforated Intervals (MPP)
Drilling Rig Number
Elevations
 Kelly Bushing (KB)
 Casing Flange (CF)
 KB-CF
 Ground Level
Plug Back Total Depth
Total Depth
Production Casing
Production Tubing

CEDAR LAKE SWD STATION

JAMOCA FED SWD #1

INJECTION

TEST INFORMATION

Type of Test
Date(s) of Test
Dead-weight Gauge Tubing Pressure
Dead-weight Gauge Casing Pressure
Shut-in Date (Duration)
Date / Time on Bottom
Date / Time off Bottom

STEP RATE TEST
09-26-2011

10:00 AM 9-26-2011
0830 AM 09-27-2011

Probe Serial Number
Probe Offset from: End of Tool String
Run Depth at Probe Pressure Port

9250 FT

PRESSURE TEST RESULTS

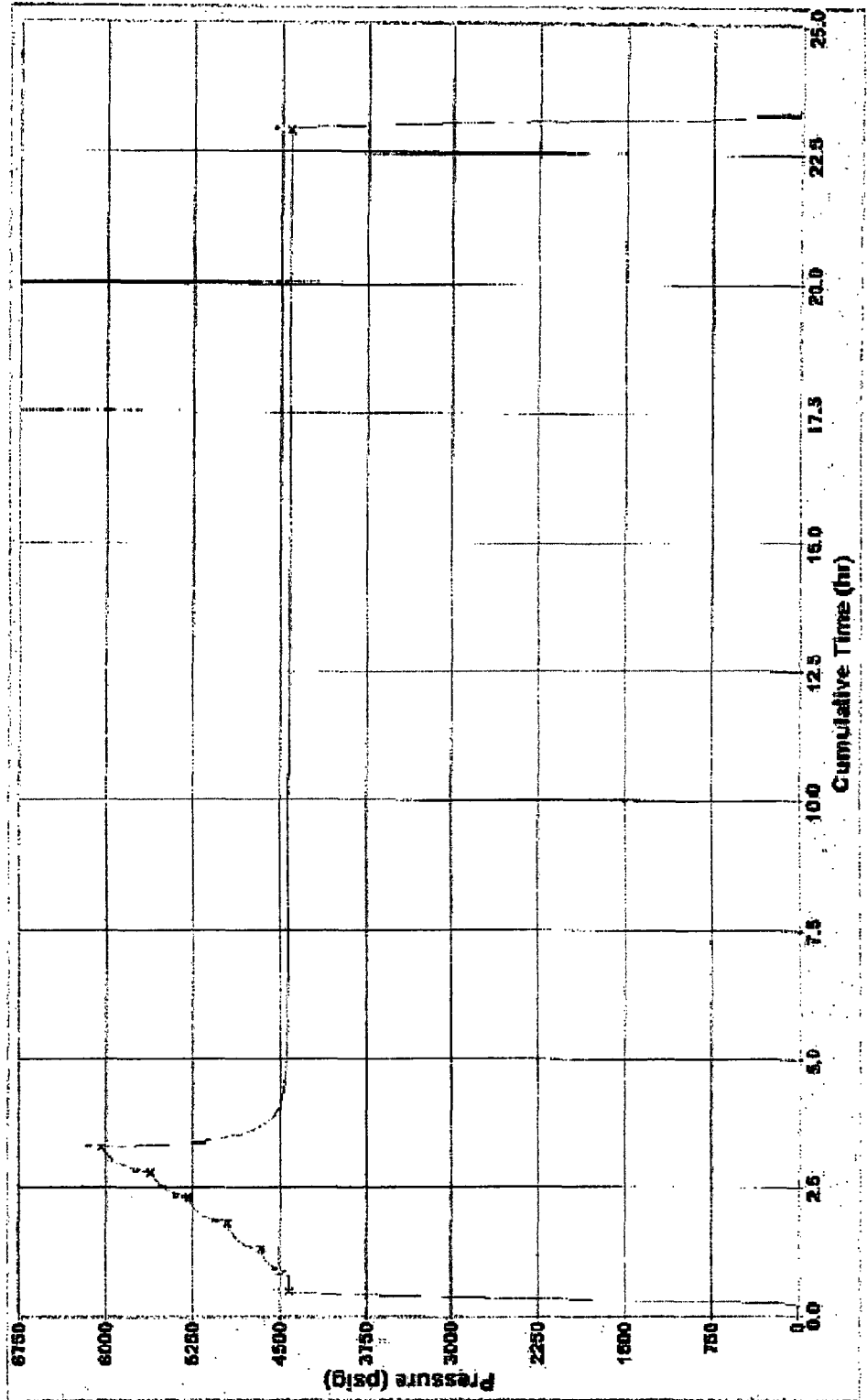
Maximum Recorded Probe Pressure
Maximum Recorded Probe Temperature
Final Buildup Pressure
Gradient Survey Information
 Extrapolated Pressure to MPP
 Final Gradient at Depth
Job Number

6039.7 psig
123.3 deg F

Company Name: JUDA OIL
Well Name: CEDAR LAKE SWD STATION
Type of Test: STEP RATE TEST
Date(s) of Test: 09-26-2011



CEDAR LAKE SWD STATION



2207 Fairway Dr, Duncan OK, 73533 Cell 281.635.1718 Fax 509.562.9684



Company Name JUDA OIL
Well Name CEDAR LAKE SAND STATION
Type of Test STEP RATE TEST
Date(s) of Test 09-20-2011

Date	Time	Cum. Time BH1	BH Pres 1 psi	BH Temp 1 deg F
2011/09/20	09:30:00	0.0000	0.000	86.263
2011/09/20	09:35:00	0.0819	0.000	84.389
2011/09/20	09:39:00	0.1486	0.000	87.561
2011/09/20	09:44:00	0.2319	240.488	72.253
2011/09/20	09:48:30	0.3069	1882.175	86.887
2011/09/20	09:52:30	0.3738	3348.200	105.046
2011/09/20	09:57:00	0.4486	4417.750	123.037
Initial Flow				
2011/09/20	09:58:00	0.4653	4419.379	123.030
2011/09/20	10:02:00	0.5319	4421.648	123.055
2011/09/20	10:06:30	0.6069	4421.221	123.058
2011/09/20	10:10:30	0.6738	4421.274	123.088
2011/09/20	10:15:30	0.7569	4421.250	123.092
2011/09/20	10:20:00	0.8319	4488.329	123.088
2011/09/20	10:24:30	0.9089	4520.482	122.742
2011/09/20	10:28:30	0.9738	4585.144	121.514
2011/09/20	10:33:30	1.0589	4618.389	119.363
2011/09/20	10:38:00	1.1319	4638.048	117.633
2011/09/20	10:42:00	1.1886	4647.108	116.483
2011/09/20	10:46:30	1.2738	4656.155	115.403
Initial Flow				
2011/09/20	10:47:30	1.2903	4657.732	115.189
2011/09/20	10:51:30	1.3669	4775.197	113.797
2011/09/20	10:56:00	1.4319	4847.849	111.682
2011/09/20	11:00:00	1.4986	4884.630	109.728
2011/09/20	11:05:00	1.5819	4913.060	108.046
2011/09/20	11:09:30	1.6669	4932.333	106.891
2011/09/20	11:14:00	1.7319	4944.215	105.384
Initial Flow				
2011/09/20	11:17:00	1.7819	4949.115	104.504
2011/09/20	11:18:00	1.7986	4950.209	104.225
2011/09/20	11:23:00	1.8819	5120.214	101.977
2011/09/20	11:27:30	1.9569	5187.101	99.977
2011/09/20	11:31:30	2.0236	5222.485	97.903
2011/09/20	11:36:00	2.0986	5249.285	96.389
2011/09/20	11:41:00	2.1819	5267.452	95.070
2011/09/20	11:46:30	2.2589	5281.152	94.088
Initial Flow				
2011/09/20	11:47:00	2.2619	5287.030	93.803
2011/09/20	11:48:30	2.3236	5389.852	93.265
2011/09/20	11:54:30	2.4069	5465.351	91.782
2011/09/20	11:59:00	2.4819	5502.370	90.857
2011/09/20	12:03:30	2.5569	5537.510	90.483
2011/09/20	12:07:30	2.6236	5584.430	90.172
2011/09/20	12:12:30	2.7089	5583.636	89.776
2011/09/20	12:17:00	2.7819	5615.450	89.506
Initial Flow				
2011/09/20	12:17:30	2.7923	5617.833	89.487
2011/09/20	12:21:00	2.8486	5784.684	91.224
2011/09/20	12:25:30	2.9236	5851.876	91.445
2011/09/20	12:30:30	3.0089	5916.585	90.577
2011/09/20	12:35:00	3.0919	5861.033	90.701
2011/09/20	12:39:00	3.1486	5894.173	90.444
2011/09/20	12:44:00	3.2319	6023.706	90.669



Company Name JUDA OIL
Well Name CEDAR LAKE BWD STATION
Type of Test STEP RATE TEST
Date(s) of Test 09-26-2011

Date	Time	Cum Time 8:11	BH Pres 1 psig	BH Temp 1 deg F
Final Flow				
2011/09/26	12:47:30	3.2933	6039.888	90.351
2011/09/26	12:48:30	3.3069	6789.844	97.469
2011/09/26	12:53:00	3.3819	5255.131	88.648
2011/09/26	12:57:00	3.4486	5027.792	91.306
2011/09/26	13:02:00	3.5019	4845.579	97.699
2011/09/26	13:06:30	3.6009	4737.030	101.251
2011/09/26	13:10:30	3.6736	4609.351	103.294
2011/09/26	13:16:00	3.7488	4613.717	104.943
2011/09/26	13:20:00	3.8319	4570.099	106.264
2011/09/26	13:24:30	3.8888	4541.941	107.222
2011/09/26	13:28:30	3.9736	4523.114	107.877
2011/09/26	13:33:30	4.0569	4505.241	108.568
2011/09/26	13:38:00	4.1318	4483.098	108.921
2011/09/26	13:42:30	4.2068	4483.676	108.236
2011/09/26	13:46:30	4.2738	4476.784	109.517
2011/09/26	13:51:30	4.3569	4489.999	108.778
2011/09/26	13:56:00	4.4319	4464.987	109.971
2011/09/26	14:00:00	4.4886	4461.232	110.196
2011/09/26	14:04:30	4.5736	4457.714	110.412
2011/09/26	14:09:30	4.6569	4454.338	110.570
2011/09/26	14:14:00	4.7318	4451.879	110.781
2011/09/26	14:18:00	4.7988	4449.875	110.872
2011/09/26	14:23:00	4.8819	4447.789	111.108
2011/09/26	14:27:30	4.9569	4445.070	111.207
2011/09/26	14:32:00	5.0319	4444.826	111.382
2011/09/26	14:36:00	5.0988	4443.321	111.429
2011/09/26	14:41:00	5.1819	4442.036	111.583
2011/09/26	14:45:30	5.2569	4441.000	111.610
2011/09/26	14:49:30	5.3238	4440.137	111.718
2011/09/26	14:54:00	5.3988	4439.231	111.801
2011/09/26	14:58:00	5.4819	4438.430	111.852
2011/09/26	15:03:30	5.5569	4437.705	112.048
2011/09/26	15:07:30	5.6236	4437.085	112.055
2011/09/26	15:12:30	5.7069	4436.373	112.154
2011/09/26	15:17:00	5.7818	4435.731	112.347
2011/09/26	15:21:00	5.8488	4435.385	112.318
2011/09/26	15:26:00	5.9319	4434.763	112.478
2011/09/26	15:30:30	6.0069	4434.320	112.577
2011/09/26	15:34:30	6.0736	4434.030	112.728
2011/09/26	15:39:30	6.1569	4433.469	112.861
2011/09/26	15:44:00	6.2319	4433.098	112.989
2011/09/26	15:48:30	6.3069	4432.762	112.988
2011/09/26	15:52:30	6.3736	4432.410	113.058
2011/09/26	15:57:30	6.4569	4432.124	113.193
2011/09/26	16:02:00	6.5318	4431.790	113.302
2011/09/26	16:06:00	6.5988	4431.603	113.378
2011/09/26	16:10:30	6.6736	4431.286	113.463
2011/09/26	16:15:30	6.7569	4430.888	113.572
2011/09/26	16:20:00	6.8319	4430.623	113.659
2011/09/26	16:24:00	6.8988	4430.549	113.727
2011/09/26	16:29:00	6.9819	4430.365	113.848
2011/09/26	16:33:30	7.0569	4430.160	113.885
2011/09/26	16:38:00	7.1318	4429.985	113.986

2207 Fairway Dr, Duncan OK, 73533 Cell 281.635.1718 Fax 509.562.9684



Company Name JUCA OIL
Well Name CEDAR LAKE SWD STATION
Type of Test STEP RATE TEST
Date(s) of Test 09-20-2011

Date	Time	Cum. Time BH-1	BH Pres 1 psig	BH Temp 1 deg F
		hr		
2011/09/26	16:42:00	7.1886	4429.705	114.084
2011/09/26	16:47:00	7.2819	4429.543	114.217
2011/09/26	16:51:30	7.3569	4429.484	114.286
2011/09/26	16:55:30	7.4236	4429.283	114.386
2011/09/26	17:00:00	7.4886	4429.045	114.587
2011/09/26	17:05:00	7.5910	4428.960	114.691
2011/09/26	17:09:30	7.6560	4428.760	114.658
2011/09/26	17:13:30	7.7236	4428.606	114.795
2011/09/26	17:18:30	7.8069	4428.470	114.831
2011/09/26	17:23:00	7.8819	4428.387	114.928
2011/09/26	17:27:30	7.9589	4428.271	114.889
2011/09/26	17:31:30	8.0236	4428.124	115.063
2011/09/26	17:36:30	8.1069	4428.005	115.133
2011/09/26	17:41:00	8.1619	4427.887	115.232
2011/09/26	17:45:00	8.2486	4427.797	115.248
2011/09/26	17:49:30	8.3236	4427.646	115.328
2011/09/26	17:54:30	8.4069	4427.558	115.378
2011/09/26	17:59:00	8.4819	4427.505	115.547
2011/09/26	18:03:00	8.5486	4427.387	115.536
2011/09/26	18:08:00	8.6319	4427.192	115.497
2011/09/26	18:12:30	8.7069	4427.352	115.583
2011/09/26	18:17:30	8.7819	4427.088	115.707
2011/09/26	18:21:00	8.8486	4426.866	115.606
2011/09/26	18:26:00	8.9319	4426.832	115.679
2011/09/26	18:30:30	9.0069	4426.932	115.878
2011/09/26	18:34:30	9.0726	4426.762	116.884
2011/09/26	18:39:00	9.1486	4426.608	116.853
2011/09/26	18:44:00	9.2310	4426.596	116.975
2011/09/26	18:48:30	9.3069	4426.519	116.806
2011/09/26	18:52:30	9.3736	4426.473	116.885
2011/09/26	18:57:30	9.4569	4426.426	116.038
2011/09/26	19:02:00	9.5319	4426.286	116.061
2011/09/26	19:06:30	9.6069	4426.254	116.096
2011/09/26	19:10:30	9.6736	4426.236	116.136
2011/09/26	19:15:30	9.7569	4426.142	116.280
2011/09/26	19:20:00	9.8319	4426.031	116.208
2011/09/26	19:24:00	9.8986	4425.989	116.181
2011/09/26	19:28:30	9.9736	4426.020	116.341
2011/09/26	19:33:30	10.0569	4425.892	116.379
2011/09/26	19:38:00	10.1319	4425.798	116.406
2011/09/26	19:42:00	10.1986	4425.776	116.386
2011/09/26	19:47:00	10.2819	4425.786	116.392
2011/09/26	19:51:30	10.3569	4425.728	116.452
2011/09/26	19:56:00	10.4319	4425.587	116.708
2011/09/26	20:00:00	10.4986	4425.582	116.569
2011/09/26	20:05:00	10.5819	4425.500	116.524
2011/09/26	20:09:30	10.6569	4425.410	116.470
2011/09/26	20:13:30	10.7236	4425.398	116.480
2011/09/26	20:18:00	10.7886	4425.299	116.407
2011/09/26	20:23:00	10.8819	4425.293	116.393
2011/09/26	20:27:30	10.9569	4425.288	116.373
2011/09/26	20:31:30	11.0236	4425.266	116.358
2011/09/26	20:36:30	11.1069	4425.256	116.384
2011/09/26	20:41:00	11.1819	4425.098	116.368