

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 SWD - 1457

- SWD
- Rk I Exploration & Production
246289
- well
- LUP SWD # 1
30-015-42234
Pool
- SWD, Delaware
96100

[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.

Jody Noerdlinger

Print or Type Name

Jody Noerdlinger

Signature

Regulatory Analyst

Title

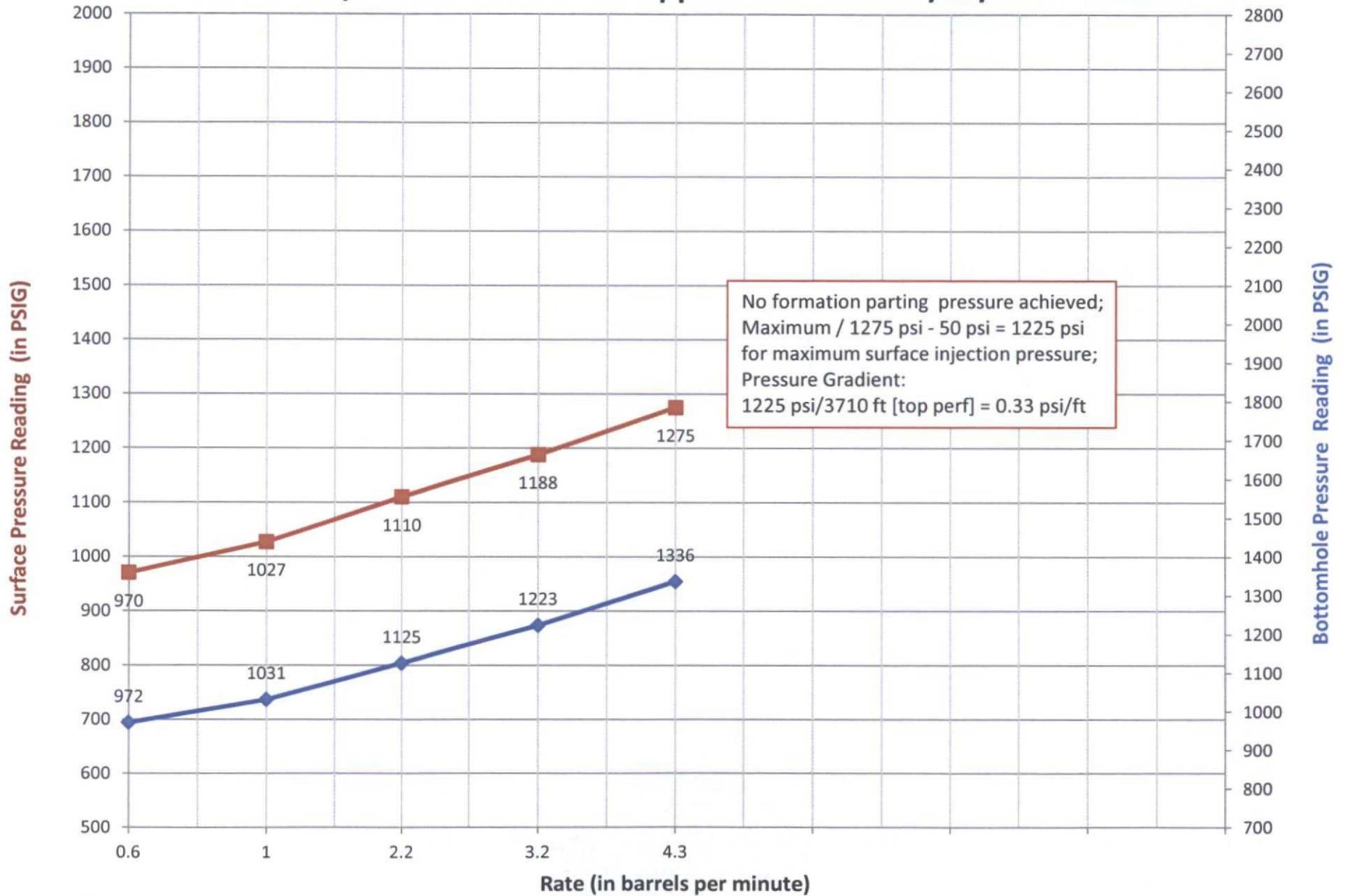
10/1/2014

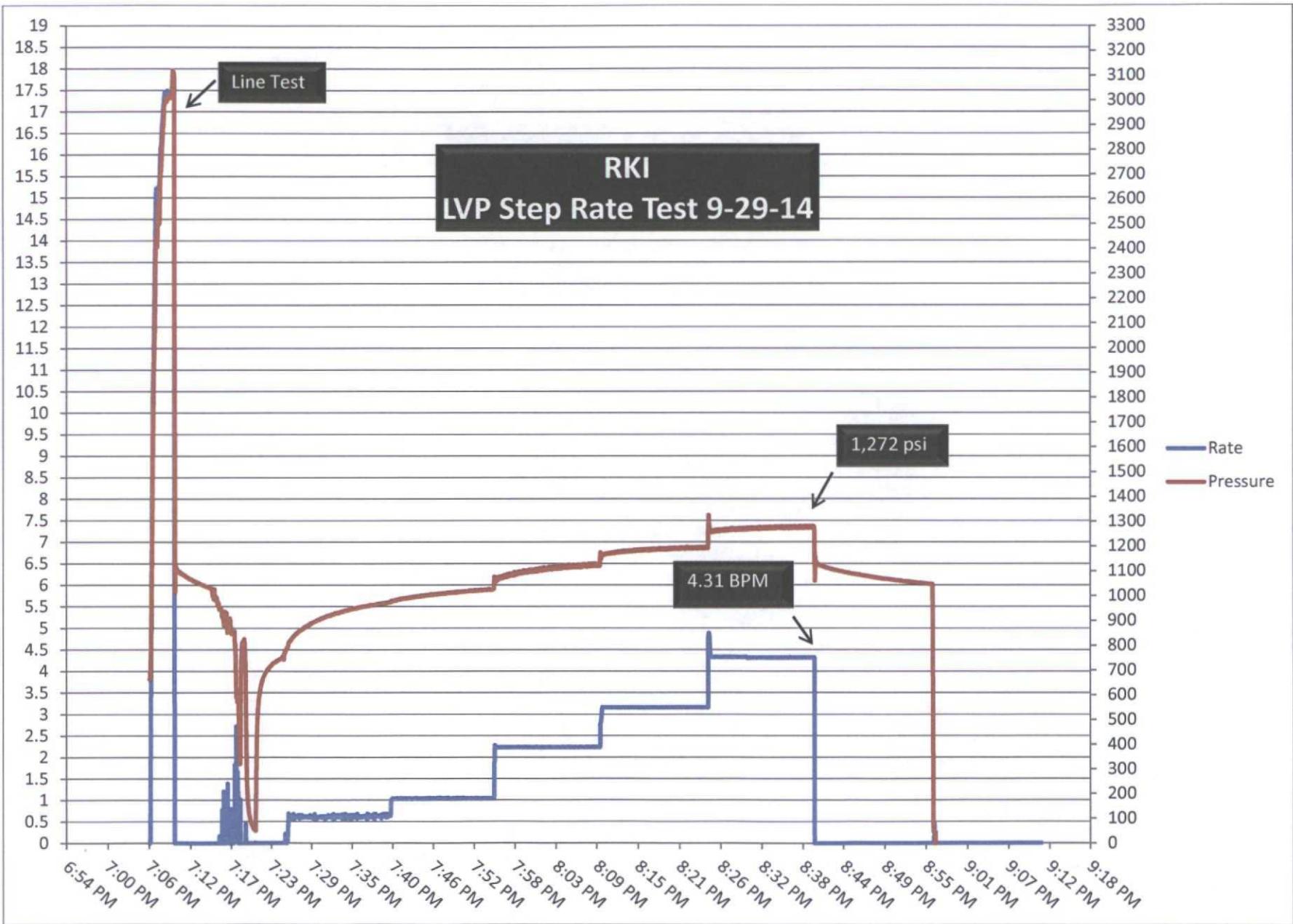
Date

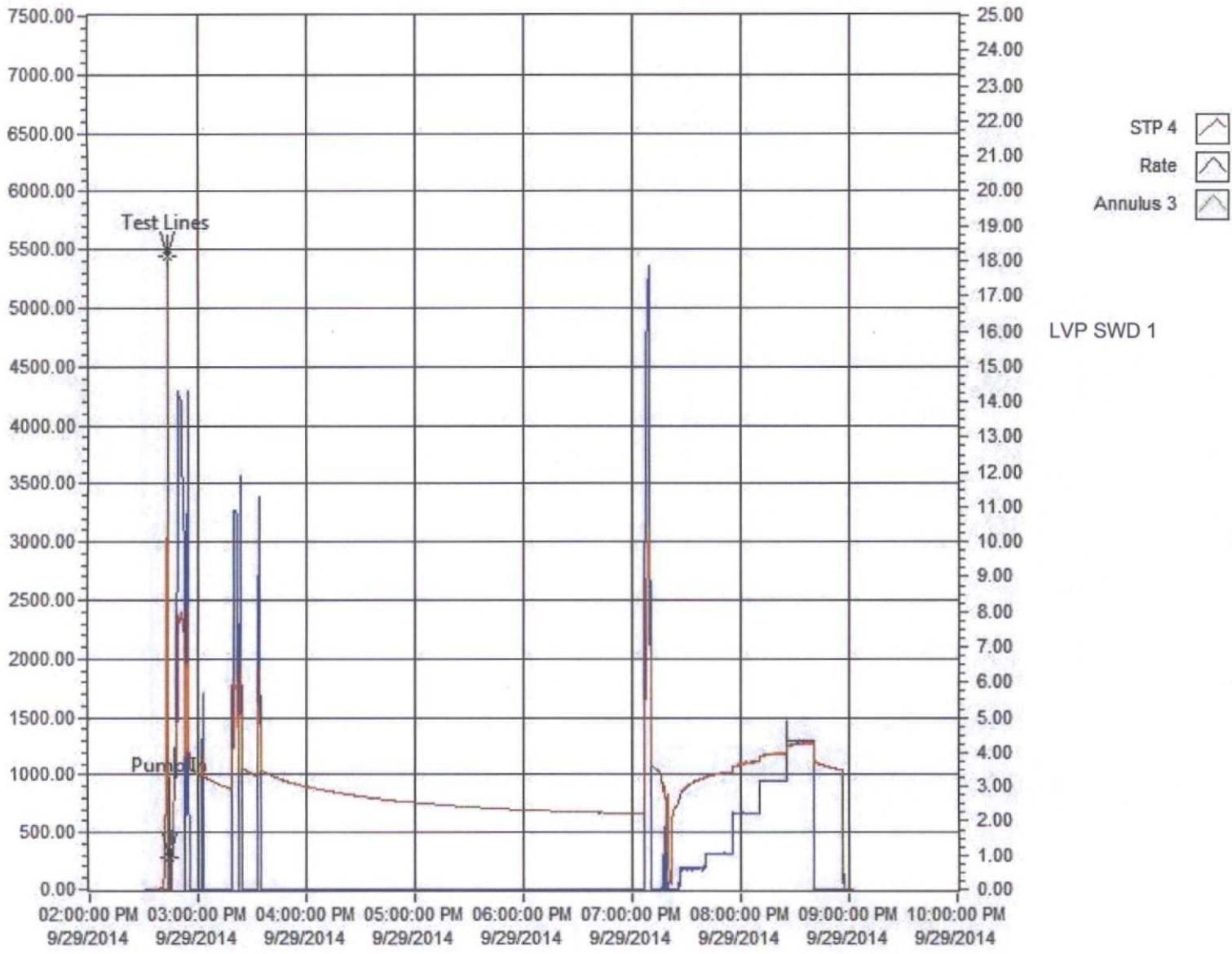
jnoerdlinger@rkixp.com

e-mail Address

SWD-1457/LVP SWD No. 1- IPI Application - SRT 09/29/2014 Results





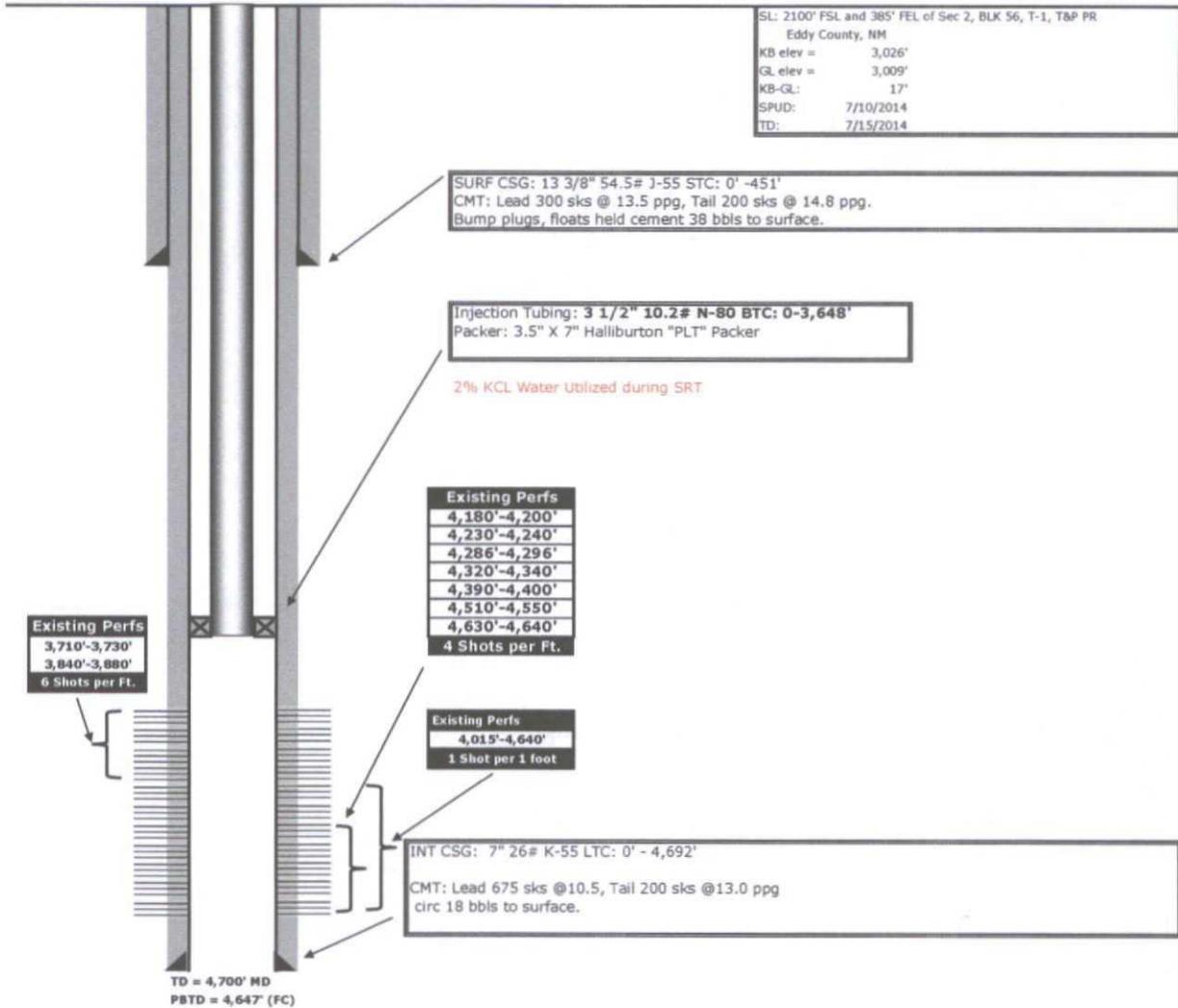


Job Event Log

Surface

Time	Stage	Rate	Pressure	Comment	Stage total	Total
1:41			5478	Test Lines		
1:45		14.3	2381	Pump		
2:20				Pump		
2:25				SD		
6:07		18	3121	Pump		
6:10			1079	ISIP		
6:15			1005	5 Min		
6:25		.6	970	1 st Rt		
6:40		1	1027	2 nd Rt		
6:55		2.2	1110	3 rd rt		
7:10		3.2	1188	4 th RT		
7:25		4.3	1275	5 th Rt		276
7:40			1139	ISIP		
7:45			1091	5 Min		
7:50			1066	10 Min		
7:55			1051	15 Min		

~~Friction loss~~Requested
- 1272 psi



RKI Exploration & Production, LLC.

October 13, 2014

Phillip Goetz
Oil Conservation Division
Engineering and Geological Services Bureau
1220 South St. Francis Drive
Santa Fe, NM 87505

Dear Mr. Goetz:

RKI Exploration and Production is requesting an increase in tubing injection pressure on the LVP SWD #1 (30-015-42234) well in Eddy County, New Mexico.

RKI has performed a step rate test, and based on the results of said test can show that the higher pressure will not result in the migration of the disposed fluid from the target formation. RKI would like to amend the tubing injection pressure to the amount of 1,272 psi, shown on the attached chart.

Please see the attachments, which include a current wellbore diagram and step rate test results, along with the original approved permit. If you have any questions or concerns, don't hesitate to contact me.

Thank you for your time, and I appreciate your consideration in this matter.

Sincerely,



Jay Brenner
Completions Engineer
RKI Exploration and Production, LLC
210 Park Ave., Suite 900
Oklahoma City, OK 73102

405-987-2137
jbrenner@rkixp.com

RECEIVED OCD
2014 OCT 14 A 11: 11

Goetze, Phillip, EMNRD

From: Jay Brenner <jbrenner@rkixp.com>
Sent: Wednesday, November 19, 2014 3:12 PM
To: Jody Noerdlinger; Paul Munding; Brent Umberham; Goetze, Phillip, EMNRD
Cc: Charles Ahn; Heather Brehm; Cody Reid; Sam McCurdy; Jim Landrigan; Jim Auld
Subject: RE: LVP SWD 1 injection pressure increase
Attachments: LVP SWD 1 WBD 11-19-14.pdf

Phillip,

I wanted to say thanks for taking the time with me on the phone today and it was a pleasure speaking with you. Per our conversation I have attached an updated wellbore diagram for LVP SWD #1 which includes and additional perf details and injection fluid type.

Additional Questions:

1. *I am assuming that the SRT was measured by surface pressure only (no BH gauge)? That is correct surface pressure only.*
2. *Was fresh water or produced water used for the SRT? 2% KCL*

Thanks again for your time Phillip.

Jay Brenner

RKI Exploration & Production
Completions Engineer
210 Park Avenue, Suite 900
Oklahoma City, OK 73102
Cell: (918) 289-9252
Direct: (405) 987-2137
Fax: (405) 996-5772
jbrenner@rkixp.com

From: Jody Noerdlinger
Sent: Wednesday, November 12, 2014 11:28 AM
To: Paul Munding; Brent Umberham; Jay Brenner
Cc: Charles Ahn; Heather Brehm; Cody Reid; Sam McCurdy
Subject: FW: LVP SWD 1 injection pressure increase

Paul , Brent, et al:

Please see Phillip Goetze's remarks below and let me know how you'd like to respond. Thanks!

Jody Noerdlinger
Senior Regulatory Analyst
RKI Exploration and Production
Oklahoma Tower
210 Park Avenue, Suite 800
Oklahoma City, OK 73102

Office: 405-996-5774
Cell: 405-414-0151
jnoerdlinger@rkixp.com

From: Goetze, Phillip, EMNRD [<mailto:Phillip.Goetze@state.nm.us>]
Sent: Wednesday, November 12, 2014 10:36 AM
To: Jody Noerdlinger
Cc: Jones, William V, EMNRD; McMillan, Michael, EMNRD
Subject: RE: LVP SWD 1 injection pressure increase

Jody:

The application is being considered, but additional information would be of assistance. I am assuming that the SRT was measured by surface pressure only (no BH gauge)? Was fresh water or produced water used for the SRT? The original well construction in the SWD order showed 4.5-inch diameter tubing and perforations from 3400 ft to 4650 ft. Is the current diagram showing 3.5-inch diameter tubing and perforations from 4025 ft to 4650 ft correct? This will be critical in calculating friction pressure for the plotting of the BH pressures as well as assessing the pressure gradient. If this information could be provided via e-mail, then the review can proceed. 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

From: Jody Noerdlinger [<mailto:JNoerdlinger@rkixp.com>]
Sent: Tuesday, November 11, 2014 2:33 PM
To: Goetze, Phillip, EMNRD
Cc: Charles Ahn; Heather Brehm; Paul Munding
Subject: FW: LVP SWD 1 injection pressure increase

Hi, Phillip. I'm just inquiring about the LVP SWD 1 pressure increase we requested back on October 14. Our production department is pretty eager to get that approved, so they asked me to check.

If you get a chance, could you please let me know where it is in your cue? Also, I wanted to be sure you'd received our application for amendment and had all the paperwork you needed.

Thanks for your help with this,

Jody Noerdlinger
Senior Regulatory Analyst
RKI Exploration and Production
Oklahoma Tower
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Office: 405-996-5774
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jnoerdlinger@rkixp.com

From: Jody Noerdlinger
Sent: Thursday, October 16, 2014 10:33 AM
To: 'phillip.goetze@state.nm.us'

Cc: Charles Ahn; Heather Brehm
Subject: LVP SWD 1 injection pressure increase

Phillip, at the behest of RKI's production engineers, I've been asked to see if there's any way we can expedite the injection pressure increase approval on the LVP SWD 1 that we recently applied for.

The application materials arrived at your office on Oct. 14 and were signed for by someone named Kiloy, but I don't know if they've made their way to your desk yet or not.

If there's anything we can do to help expedite, please let us know. And, by the way, thank you very much for approving the change on the State 16-1 SWD, which we received today from David Catanach!

Jody Noerdlinger
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