

-410- PTGW

DATE IN 2.14.12	SUSPENSE	ENGINEER TW	LOGGED IN 2.14.12	TYPE IPI	APP NO. 1204556279
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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



Read Stevens  
Brandt State #/SWD

**ADMINISTRATIVE APPLICATION CHECKLIST**

30-015-21071

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

F-10-235-26E

960 or 910

SWD-930

3140 - 3590

950 psi = .31

[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.

Print or Type Name

Signature

Title

Date

e-mail Address

February 13, 2012

Terry Wamell

Engineering Bureau

Oil Conservation Division

1220 S. Saint Francis Drive

Santa Fe, NM 87505

RE: Request for Injection Pressure Increase on Bandit State #1 SWD

Dear Mr. Wamell,

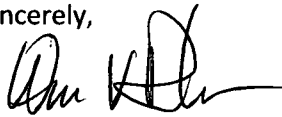
The Bandit State #1 SWD well located 1980' FNL & 2021' FWL in Section 10 Twp 23S Rge 26E in Eddy County, NM has been disposing of water into the Delaware formation under Administrative Order SWD-930. Wellhead pressure has been limited to no more than 628#.

On February 7, 2012, Cardinal Surveys was rigged up to run a step-rate test. Results show no fracture initiation up 2500 BPD with 960# surface pressure. Data from the step-rate test is attached.

Read & Stevens, Inc., therefore, requests an increase in the pressure allowable on the subject well to 960#.

Thank you for your consideration of this matter. Please feel free to call me if further explanation is needed. My cellular phone number is 575.390.2424

Sincerely,



William Palmer

Manager, Production & Completions

575-396-5391

RECEIVED OOD  
2012 FEB 14 P 1:52

# Step Rate Test



Cardinal Surveys Company

7-Feb-12

Read & Stevens

Well: Bandit State No. 1

Field;

County: Eddy County, New Mexico

SC 60008

File No. 20678

No Parting Pressure Calculated ✓

Downhole PSI Tool Ser. No. CSC2601

Surface PSI Gauge Ser. No. 10213

Tool @ 3,250'

	Start	End	Rate
1	9:03 AM	9:45 AM	0 3,250'
2	9:45 AM	10:15 AM	100
3	10:15 AM	10:45 AM	200
4	10:45 AM	11:15 AM	300
5	11:15 AM	11:45 AM	500
6	11:45 AM	12:15 PM	700
7	12:15 PM	12:45 PM	900
8	12:45 PM	1:15 PM	1300
9	1:15 PM	1:45 PM	1700
10	1:45 PM	2:15 PM	2100
11	2:15 PM	2:45 PM	2500
12	2:45 PM	3:00 PM	0 15 Min Fall Off
13			
14			
15			
16			
17			
18			

*30 minute step*

Step Rate Test  
7-Feb-12



Read & Stevens  
Well: Bandit No. 1  
Field:  
Location: Eddy County, New Mexico

	S Time	E Time	D Time Min	Last Rate BPD	Step BPD	BHP PSIA	Surf PSIA	Cum BBL	Delta BBL	Avg. BPD	Lower Trend	Upper Trend
1	9:03 AM	9:45 AM	42	0	0	1996.7	605.1	0	0	0		
2	9:45 AM	10:15 AM	30	100	100	1999.4	642.5	2.9	2.9	139		
3	10:15 AM	10:45 AM	30	200	100	2000.6	685.7	7	4.1	197		
4	10:45 AM	11:15 AM	30	300	100	2000	723.4	13.4	6.4	307		
5	11:15 AM	11:45 AM	30	500	200	2006.7	740.9	23.8	10.4	499		
6	11:45 AM	12:15 PM	30	700	200	2011.5	743.4	38.7	14.9	715		
7	12:15 PM	12:45 PM	30	900	200	2016.6	766.1	57.7	19	912		
8	12:45 PM	1:15 PM	30	1300	400	2024.9	794.9	85.2	27.5	1320		
9	1:15 PM	1:45 PM	30	1700	400	2034.5	847.7	120.4	35.2	1690		
10	1:45 PM	2:15 PM	30	2100	400	2044.6	895.3	165.2	44.8	2150		
11	2:15 PM	2:45 PM	30	2500	400	2054.3	960.5	217.3	52.1	2501		
12	2:45 PM	3:00 PM	15	0	0	2037	756.2	217.3	0	0		

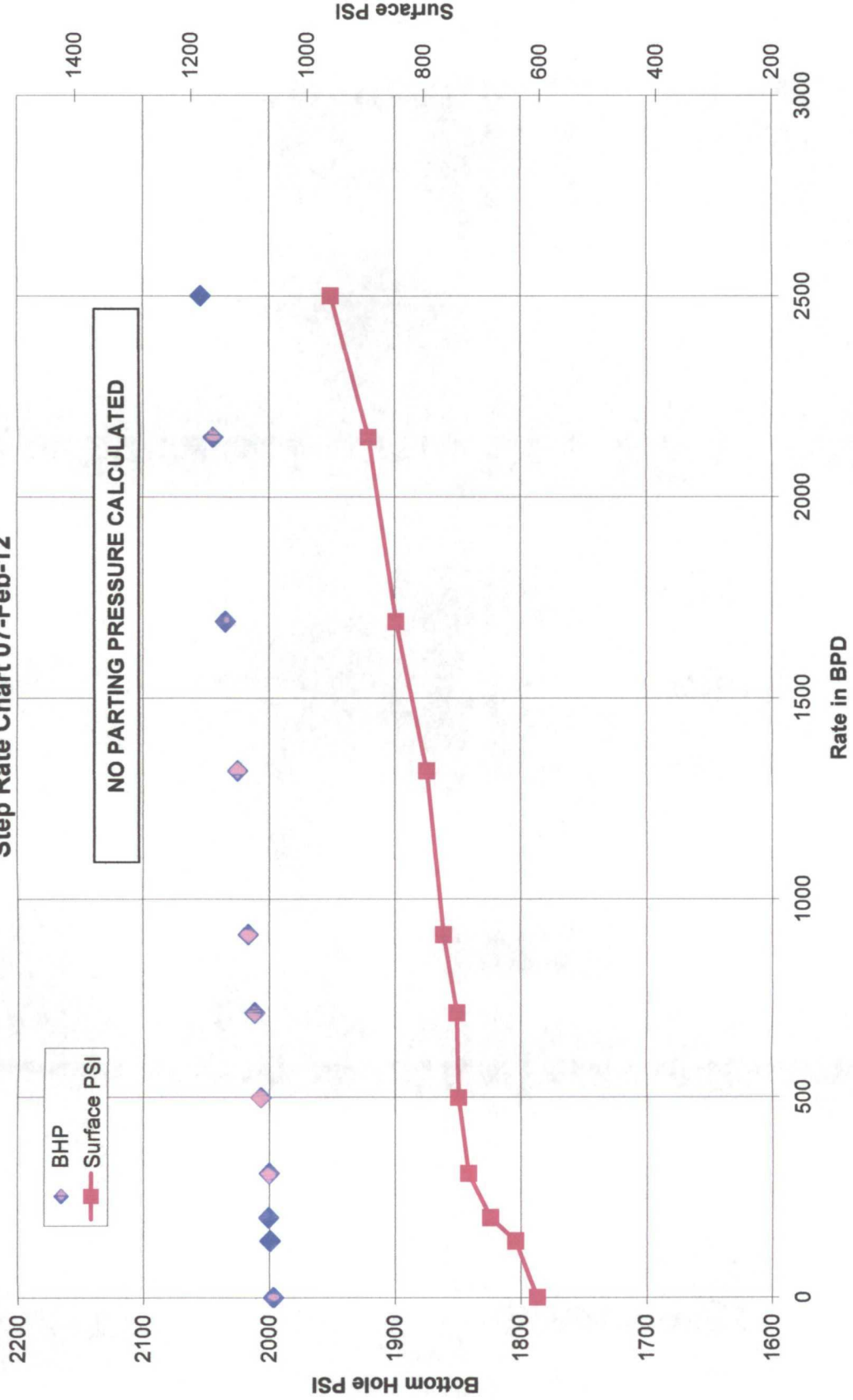
13  
14  
15  
16

intersect #DIV/0!  
BHP PSI #DIV/0!

BPD  
PSIA



**READ & STEVENS**  
**Bandit No. 1**  
**Step Rate Chart 07-Feb-12**





Read & Stevens  
Bandit No. 1  
Total Data Chart 07-Feb-12

