

-410' PTGW

DATE IN 2.14.12	SUSPENSE	ENGINEER TW	LOGGED IN 2.14.12	TYPE IPI	APP NO. 204556279
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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  
 Brandit State # / SWD  
 30-015-21071

**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 \_\_\_\_\_

F-10-235-26E

960 or 910

- [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

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



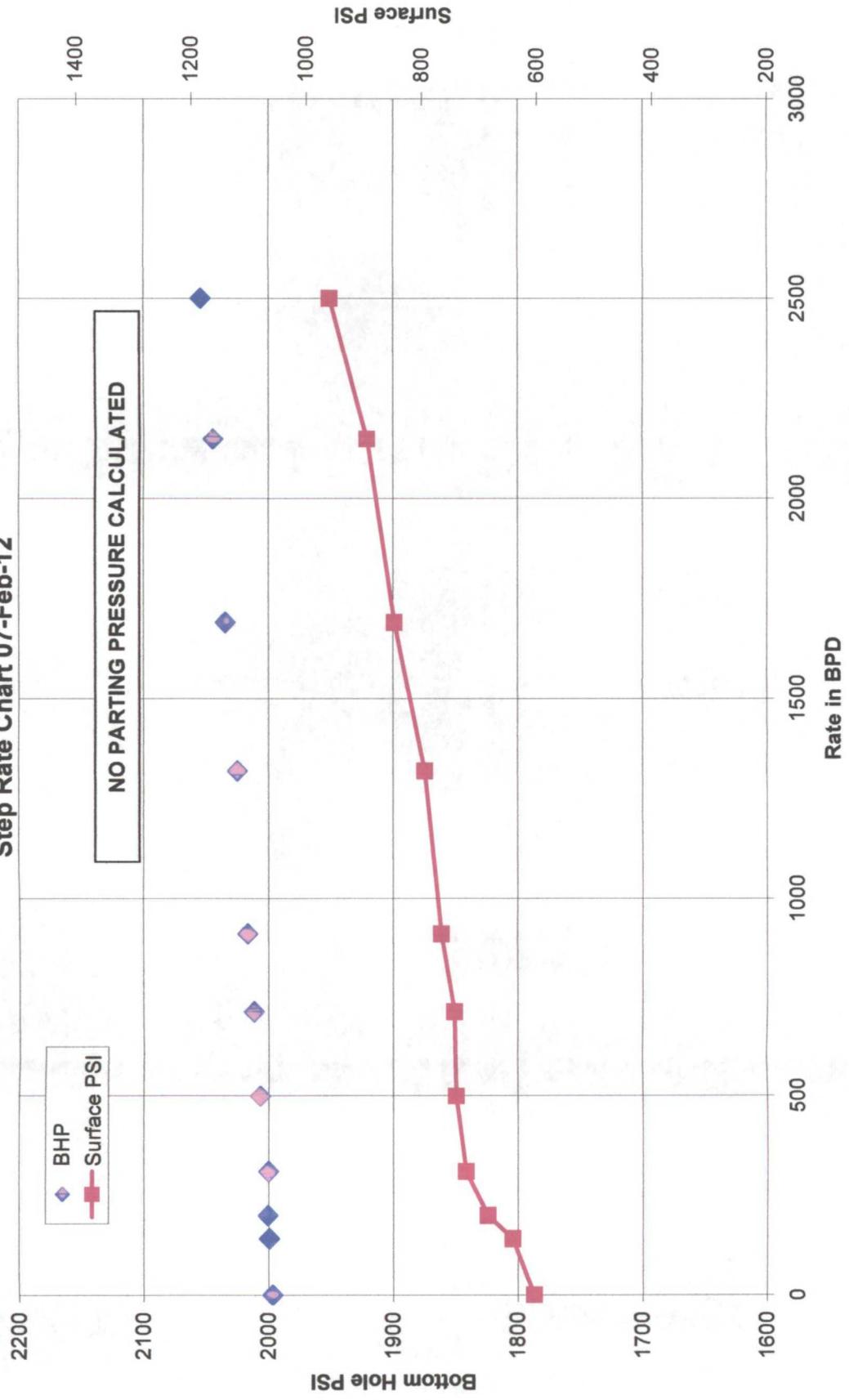
**Read & Stevens**  
Well: Bandit No. 1  
Field:  
Location: Eddy County, New Mexico

	S Time	E Time	D Time Min	Last Rate BPD	Step BPD	BHP		Surf		Cum BBL	Delta BBL	Avg. BPD	Lower Trend	Upper Trend
						PSIA	PSIA	PSIA	PSIA					
1	9:03 AM	9:45 AM	42	0	0	1996.7	605.1	0	0	0	0	0		
2	9:45 AM	10:15 AM	30	100	100	1999.4	642.5	2.9	139	2.9	2.9	139		
3	10:15 AM	10:45 AM	30	200	100	2000.6	685.7	7	197	4.1	4.1	197		
4	10:45 AM	11:15 AM	30	300	100	2000	723.4	13.4	307	6.4	6.4	307		
5	11:15 AM	11:45 AM	30	500	200	2006.7	740.9	23.8	499	10.4	10.4	499		
6	11:45 AM	12:15 PM	30	700	200	2011.5	743.4	38.7	715	14.9	14.9	715		
7	12:15 PM	12:45 PM	30	900	200	2016.6	766.1	57.7	912	19	19	912		
8	12:45 PM	1:15 PM	30	1300	400	2024.9	794.9	85.2	1320	27.5	27.5	1320		
9	1:15 PM	1:45 PM	30	1700	400	2034.5	847.7	120.4	1690	35.2	35.2	1690		
10	1:45 PM	2:15 PM	30	2100	400	2044.6	895.3	165.2	2150	44.8	44.8	2150		
11	2:15 PM	2:45 PM	30	2500	400	2054.3	960.5	217.3	2501	52.1	52.1	2501		
12	2:45 PM	3:00 PM	15	0	0	2037	756.2	217.3	0	0	0	0		
13														
14														
15														
16														

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



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





# Read & Stevens

## Bandit No. 1

### Total Data Chart 07-Feb-12

