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

30-015-33637  
 Forty Niner Ridge Unit #6  
 (SWD-1323) 3/26/12  
 990 FS 4/20/50 FE / 0/22/235/30E  
 Charge C. 4510-5780  
 900 psi Perf  
 (BLM)

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or X 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.

Ben Stone  
 \_\_\_\_\_  
 Print or Type Name

*Ben Stone*  
 \_\_\_\_\_  
 Signature

Agent for Strata Production Co. 3/05/13  
 \_\_\_\_\_  
 Title  
 ben@sosconsulting.us  
 \_\_\_\_\_  
 e-mail Address



March 4, 2013

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

Attn: Mr. Will Jones, P.E., Engineering Bureau

GRID 21712

Re: Request of Strata Production Company for an injection pressure increase on two of its salt water disposal wells, those being the No. 6 SWD and the Forty Niner Ridge No. 6 SWD, both located in Township 23 South, Range 30 East, NMPM, Eddy County, New Mexico.

Dear Mr. Jones,

Strata Production Company recently conducted step rate tests on both of the subject wells. Both wells are permitted by the OCD as salt water disposal wells. and well No. 6 by SWD-1023. Both wells are currently injecting at the original permitted pressures of .2 psi/ft.

Strata furnished me the resulting data for analysis and presentation. The first test was conducted on the No. 6 well on February 4, 2013. Strata personnel believed the test may have been inclusive due to the long duration and slowly applied increases in rate. They performed an additional step rate test on the well two days later. Both test are presented and neither test indicated that formation parting pressure was ever obtained.

Strata Production Company seeks to optimize efficiency, both economically and operationally, of its operations and approval of an increase in surface injection pressures would be in line with that goal. Based on the results of the step rate test, we hereby request that both wells be allowed to inject at pressures of 1650 psi each, keeping the wells set well below what the data indicates and thereby preventing any damage to the formation.

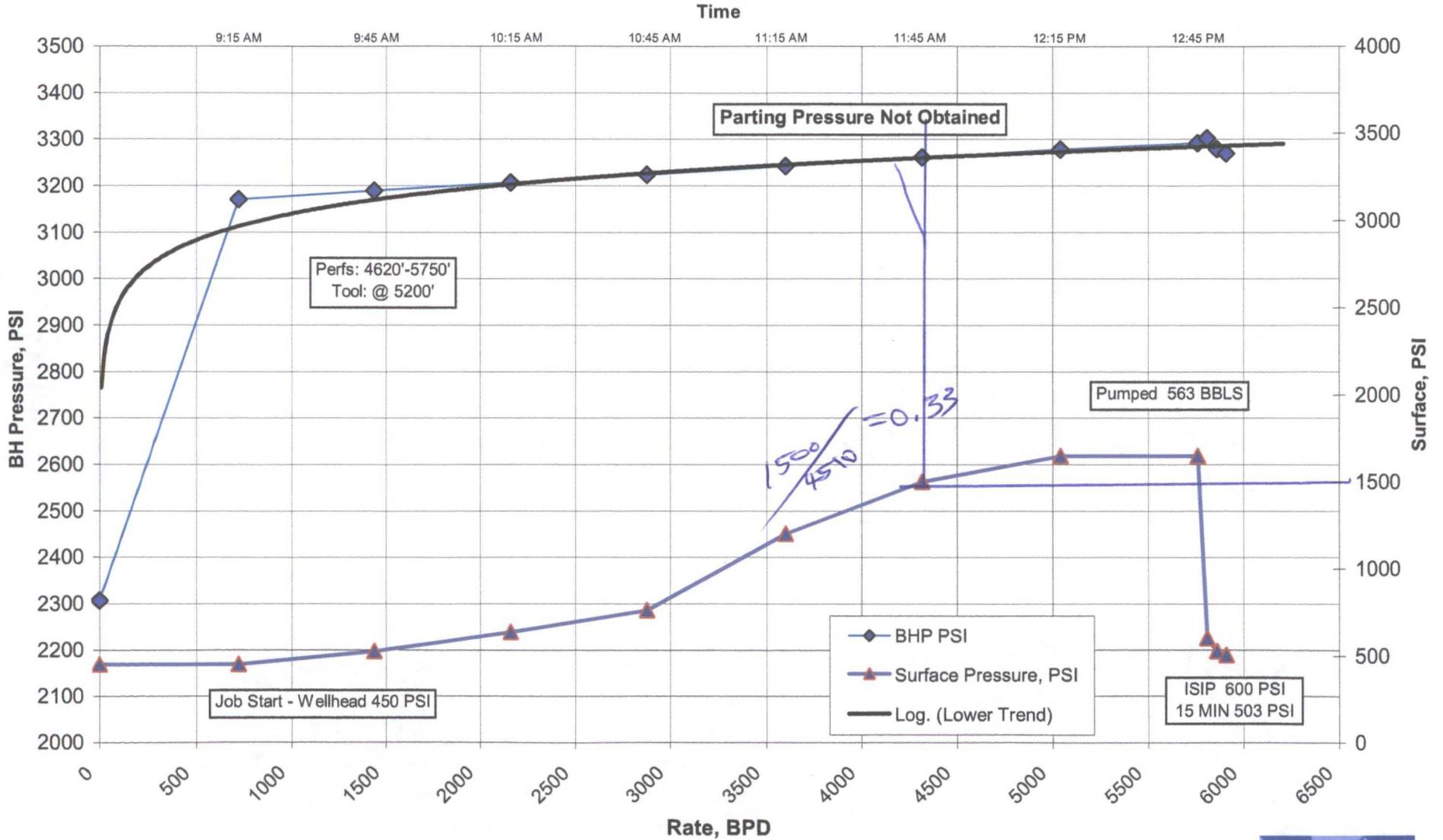
I respectfully request that the approval of this injection pressure increase proceed swiftly and if you require additional information or have any questions, please do not hesitate to call or email me.

Best regards,

Ben Stone, Partner  
SOS Consulting, LLC  
Agent for Strata Production Company

Cc: Application attachment and file

# Strata Production Company - Forty Niner Ridge No.6 SWD Step Rate Test 2/04/2013



**Step Rate Test**

Strata Production Company  
Forty Niner Ridge No.6 SWD

Eddy County , New Mexico

	S Time	E Time	D Time Min	Last Rate BPD	Step BPD	B. H. Pressure PSIA	Surf PSIA	Cum BBL	Delta BBL	Avg. BPD	Lower Trend	Upper Trend
	8:30 AM	8:45 AM	15	0	0	2306	450	0	0.00	0		
1	9:00 AM	9:15 AM	15	0	720	2306	450	20	20.00	0		
2	9:15 AM	9:45 AM	30	720	720	3170	450	52	32.00	239		
3	9:45 AM	10:15 AM	30	1440	720	3188	525	97	45.00	239		
4	10:15 AM	10:45 AM	30	2160	720	3206	636	158	61.00	1612	3206	
5	10:45 AM	11:15 AM	30	2880	720	3223	762	230	72.00	3191	3223	
6	11:15 AM	11:45 AM	30	3600	720	3242	1201	326	96.00	4349	3242	
7	11:45 AM	12:15 PM	15	4320	720	3261	1501	437	111.00	4349	3261	
8	12:15 PM	12:45 PM	30	5040	720	3277	1646	563	126.00	6048	3277	
9	12:45 PM	1:15 PM	30	5760	720	3291	1646	563	0.00	7416	3291	
10	1:15 PM	1:20 PM	5	5810	50	3301	600	563	0.00	8568	3301	
11	1:20 PM	1:25 PM	5	5860	50	3278	525	563	0.00	0	3278	
12	1:25 PM	1:30 PM	5	5910	50	3269	503	563	0.00	0	3269	



**Step Rate Test**

Strata Production Company  
Forty Niner Ridge No.6 SWD

Eddy County , New Mexico

	S Time	E Time	D Time Min	Last Rate BPD	Step BPD	B. H. Pressure PSIA	Surf PSIA	Cum BBL	Delta BBL	Avg. BPD	Lower Trend	Upper Trend
	9:35 AM	9:50 AM	15	0	0	2306	445	0	0.00	0		
1	10:05 AM	10:20 AM	15	3370	3370	2306	863	32	32.00	0		
2	10:20 AM	10:35 AM	15	4320	950	3170	1046	76	44.00	239	3170	
3	10:35 AM	10:50 AM	15	5184	864	3188	1436	131	55.00	239	3188	
4	10:50 AM	11:05 AM	15	5933	749	3206	1785	196	65.00	1612	3206	
5	11:05 AM	11:20 AM	15	6552	619	3223	1959	263	67.00	3191	3223	
6	11:20 AM	11:35 AM	15	7416	864	3242	2290	338	75.00	4349	3242	
7	11:35 AM	11:50 AM	15	7992	576	3261	2510	420	82.00	4349	3261	
8	11:50 AM	12:05 PM	15	8050	58	3277	2510	420	0.00	6048	3277	
9	12:05 PM	12:10 PM	5	8100	50	3291	519	420	0.00	7416	3291	
10	12:10 PM	12:15 PM	5	8150	50	3301	525	420	0.00	8568	3301	
11	12:15 PM	12:20 PM	5	8200	50	3278	503	420	0.00	0		
12	12:20 PM	1:30 PM	70	8250	50	3269	493	420	0.00	0		