7/18/201	SUSPENSE	ENGINEER AN	8/03/2014 LOGGED IN	THZ TYPE	PmAm16216	42463
		ABO	OVE THIS LINE FOR DIVISION USE ONLY			
	NI	EW MEXICO OIL CO	DNSERVATION D	IVISION	ALA	
			ering Bureau -			
		1220 South St. Francis	Drive, Santa Fe, NM	87505	AND THE OWNER	
	Α	DMINISTRATIV	E APPLICATI	ON CHEC	KLIST	
THIS CHECK	LIST IS MANI	DATORY FOR ALL ADMINISTRA				ULATIONS
pplication Ac			CESSING AT THE DIVISION			
		ard Location] [NSP-Non-	Standard Proration U B-Lease Commingling		taneous Dedicatio Lease Comminglin	
[DH					e Measurement]	91
		FX-Waterflood Expansio	n] [PMX-Pressure	Maintenance E	• •	
ſEC	DR-Qualifi	[SWD-Salt Water Disp ed Enhanced Oil Recove		PR.Positive Pr	duction Response	*]
				-7	Amenica 1 Amenica 1 Company 873	
] TYPE		-ICATION - Check Thos -ocation - Spacing Unit -		$-\mathbf{B}\mathbf{\ell}$	Amenical	noduct
		NSL NSP	Simulation Dedicat	lion	Company	
,	•				1813	hell
		ne Only for [B] or [C]	1		2015	o -Pri
	[B] (Commingling - Storage - I			OLM 5	5 5 60
						30-09
	[C] [njection - Disposal - Pres				· Poo,
	L	_] WFX [PMX [SWD 🛛 IPI		PPR >) - Sal
	[D] (Other: Specify				
					900C	BURK
2] NOTIE		N REQUIRED TO: - Cl			Not Apply	Enma
	[A] [_] Working, Royalty or	Overriding Royalty In	terest Owners		19'A
	[B] [Offset Operators, Lea	ascholders or Surface (Owner		J. K.
						V'(C
	[C] [_ Application is One W	/hich Requires Publish	ned Legal Notic	e	C
	[D] [Notification and/or C	oncurrent Approval b	v BLM or SLO		
	ι— J Κ	U.S. Bureau of Land Managemen	nt - Commissioner of Public Lands	s, State Land Office		
	[E]	For all of the above, I	Proof of Notification of	or Publication is	Attached, and/or,	
	[F] [Waivers are Attached	i			

[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.

Toya Colvin	Joya Mar	Regulatory Analyst	07/13/16
Print or Type Name	Signature	Title	Date
		_Toya.Colvin@bp.com	

e-mail Address

Submit 1 Copy To Appropriate District Office <u>District 1</u> – (575) 393-6161	State of New Mexico Energy, Minerals and Natural Resources	Form C-103 Revised July 18, 2013
1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> – (575) 748-1283 811 S. First St., Artesia, NM 88210	OIL CONSERVATION DIVISION	WELL API NO. 30-045-28351
<u>District III</u> – (505) 334-6178 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. Francis Dr.	5. Indicate Type of Lease
<u>District IV</u> – (505) 476-3460 1220 S. St. Francis Dr., Santa Fe, NM 87505	Santa Fe, NM 87505	6. State Oil & Gas Lease No. Federal Lease NMNM013686
(DO NOT USE THIS FORM FOR PROPOSA DIFFERENT RESERVOIR. USE "APPLICA	ES AND REPORTS ON WELLS LS TO DRILL OR TO DEEPEN OR PLUG BACK TO A TION FOR PERMIT" (FORM C-101) FOR SUCH	 Lease Name or Unit Agreement Name Pritchard SWD
PROPOSALS.) 1. Type of Well: Oil Well 🔲 G	as Well 🔀 Other	8. Well Number
2. Name of Operator BP America Production Company		9. OGRID Number 000778
3. Address of Operator 737 North Eldridge Pkwy, 12.181A Houston, TX 77079		10. Pool name or Wildcat
4. Well Location		SWD; Morrison Bluff Entrada
Unit Letter <u>C : 6</u> Section 34	<u>15</u> feet from the North line and <u>1840</u> Township 31N Range 09W M	_feet from the <u>West</u> line MPM County San Juan
	11. Elevation (Show whether DR, RKB, RT, GR, etc., 6061'	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF IN	TENTION TO:	SUBSEQUENT RE	PORT OF:
PERFORM REMEDIAL WORK 🗌	PLUG AND ABANDON	REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON	CHANGE PLANS	COMMENCE DRILLING OPNS.	P AND A
PULL OR ALTER CASING	MULTIPLE COMPL	CASING/CEMENT JOB	
CLOSED-LOOP SYSTEM		х.	
OTHER:		OTHER:Step Rate Test Results: In	crease Surface Injection
		 Pressure 🛛	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

BP requests to increase our max allowable surface injection pressure on the Pritchard SWD 1 to 1925 psi, based on the results of the Step Rate test performed 07/06/2016. Please see the attached documentation supporting our request.

SWD 405

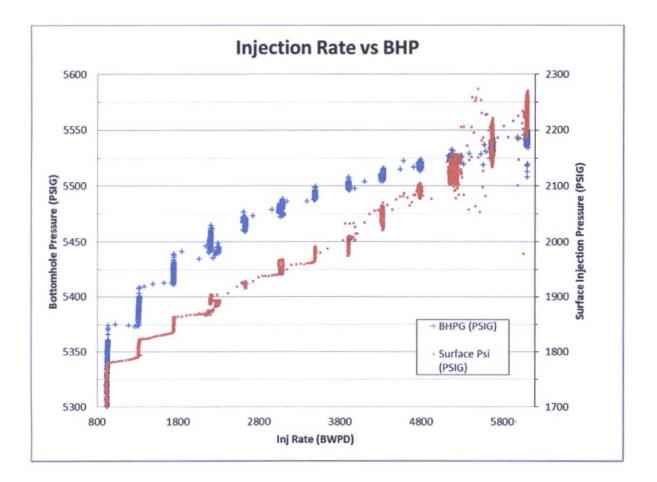
Spud Date:	11/01/1990	Rig Relea	se Date:		
I hereby certify tha	the information above is tr		he best of n y knowled Regulatory Analyst	ge and belief.	
Type or print name For State Use Onl		_ E-mail address: _	Toya.Cc vin@bp.cc		
APPROVED BY:_ Conditions of Appr	roval (if any):	TITLE	,,	DATE	
			;		

PRITCHARD 001 SWD Entrada – Water injection API# 30-045-28351 Unit C – Sec 34 – T31N – R09W San Juan County, New Mexico

Step Rate Test Results:

On July 6, 2016, BP performed a step rate test on the Pritchard SWD 1 to evaluate well to increase maximum allowable surface injection pressure. Bottom hole gauges were set in the profile nipple at the EOT and pressure was collected throughout the test. An NMOCD representative was on site to witness the injection test. A bradenhead test was performed and showed no communication between the bradenhead, the intermediate, or the casing x tubing annulus.

Below are the results of the step rate test. Based on these results, BP requests permission to increase the maximum surface injection pressure to 1925 psi.



BP America Pritchard SWD 1 Step Rate

Sales Order: 903411913

Post Job Report

For: Clyde Lasster Date: Wednesday, July 06, 2016 Treater: Brian McCann

Notice: Although the information contained in this report is based on sound engineering practices, the copyright owner(s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

HALLIBURTON

HALLIBURTON

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1.0 PUMPING SCHEDULE

1.1 Designed Pumping Schedule

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Stage Description		Slurry Volume	Stage Time
Number		gal	min
1	Step Rate Test	252	20.00
2	Step Rate Test	504	20.00
3	Step Rate Test	756	20.00
4	Step Rate Test	1008	20.00
5	Step Rate Test	1260	20.00
6	Step Rate Test	1512	20.00
7	Step Rate Test	1764	20.00
8	Step Rate Test	2016	20.00
9	Step Rate Test	2268	20.00
10	Step Rate Test	2520	20.00
11	Step Rate Test	2772	20.00
12	Step Rate Test	3024	20.00
13	Step Rate Test	3276	20.00
14	Step Rate Test	3528	20.00
15	Shut-In	0	0.00
Total		26460	280.00

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2.0 ACTUAL STAGE SUMMARY

2.1 Stage Summary

Stage Number	Stage Time	Start Time	End Time	Time	Slurry Volume
	ucts	ucts	ucts	min	gal
1	06-Jul-16 13:08:41	13:04:57	06-Jul-16 13:08:41	3.75	29
2	06-Jul-16 13:26:53	13:08:42	06-Jul-16 13:26:53	18.21	500
3	06-Jul-16 13:46:11	13:26:54	06-Jul-16 13:46:11	19.30	749
4	06-Jul-16 14:05:33	13:46:12	06-Jul-16 14:05:33	19.34	994
5	06-Jul-16 14:24:49	14:05:34	06-Jul-16 14:24:49	19.29	1250
6	06-Jul-16 14:44:16	14:24:50	06-Jul-16 14:44:16	19.44	1497
7	06-Jul-16 15:03:42	14:44:17	06-Jul-16 15:03:42	19.44	1750
8	06-Jul-16 15:23:21	15:03:43	06-Jul-16 15:23:21	19.65	2006
9	06-Jul-16 15:43:07	15:23:22	06-Jul-16 15:43:07	19.77	225
10	06-Jul-16 16:02:57	15:43:08	06-Jul-16 16:02:57	19.81	250
11	06-Jul-16 16:22:44	16:02:58	06-Jul-16 16:22:44	19.80	2769
12	06-Jul-16 16:42:40	16:22:45	06-Jul-16 16:42:40	19.94	302:
13	06-Jul-16 17:02:28	16:42:41	06-Jul-16 17:02:28	19.79	3278
14	06-Jul-16 17:22:21	17:02:29	06-Jul-16 17:22:21	19.90	3529
15	06-Jul-16 17:42:46	17:22:22	06-Jul-16 17:42:46	20.41	
Total					2613

3.0 PERFORMANCE HIGHLIGHTS

3.1 Job Summary		
Start Time	06-Jul-16 10:37:35	ucts
End Time	06-Jul-16 17:42:46	ucts
Start Averaging Time	06-Jul-16 13:04:57	ucts
End Averaging Time	06-Jul-16 17:42:40	ucts
Clean Volume	26136	gal
Slurry Volume	26136	gal
Gel Volume	26136	gal
Load to Recover	26136	gal
Volumes Pumped	Total	Units
TREATED WATER	26137	gal

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Disclaimer: The average and maximum values (except volumes and bottom hole values) are based on the start and end averaging times.

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3.2 Job Stage Log

Time	Description	Comment	
ucts			
06-Jul-16 13:04:56	Stage 1	Step Rate Test	
13:08:41	Stage 2	Step Rate Test	
13:26:54	Stage 3	Step Rate Test	
13:46:12	Stage 4	Step Rate Test	
14:05:33	Stage 5	Step Rate Test	
14:24:50	Stage 6	Step Rate Test	
14:44:16	Stage 7	Step Rate Test	
15:03:43	Stage 8	Step Rate Test	_
15:23:21	Stage 9	Step Rate Test	
15:43:07	Stage 10	Step Rate Test	
16:02:57	Stage 11	Step Rate Test	
16:22:44	Stage 12	Step Rate Test	· · · · · ·
16:42:40	Stage 13	Step Rate Test	
17:02:29	Stage 14	Step Rate Test	
17:22:22	Stage 15	Shut-In	

3.3 Job Event Log

Stage Number	Event Number	Time ucts	Description	Comment
	1	06-Jul-16 10:37:33	Start Job	Starting Job
	2	11:29:33	Pause	Suspending Job
	3	12:48:04	Resume	Resuming Job
1		13:04:56	Stage 1	Step Rate Test
		13:04:57	Start Averaging	Start Avg Trt 1
2	· · · · · · · · · · · · · · · · · · ·	13:08:41	Stage 2	Step Rate Test
3		13:26:54	Stage 3	Step Rate Test

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Stage Number	Event Number	Time ucts	Description	Comment
4		13:46:12	Stage 4	Step Rate Test
5		14:05:33	Stage 5	Step Rate Test
6	, , , , , , , , , , , , , , , , , , ,	14:24:50	Stage 6	Step Rate Test
7		14:44:16	Stage 7	Step Rate Test
8		15:03:43	Stage 8	Step Rate Test
9		15:23:21	Stage 9	Step Rate Test
10		15:43:07	Stage 10	Step Rate Test
11		16:02:57	Stage 11	Step Rate Test
12		16:22:44	Stage 12	Step Rate Test
13		16:42:40	Stage 13	Step Rate Test
14	······································	17:02:29	Stage 14	Step Rate Test
	4	17:22:19	ISIP	1615
15		17:22:22	Stage 15	Shut-In
	5	17:27:20	Shut-In Pressure @ 5 Minutes	1819
	6	17:32:20	Shut-In Pressure @ 10 Minutes	1807
	7	17:37:20	Shut-In Pressure @ 15 Minutes	1794
		17:42:40	End Averaging	End Avg Trt 1
	8	17:42:52	End Job	Ending Job

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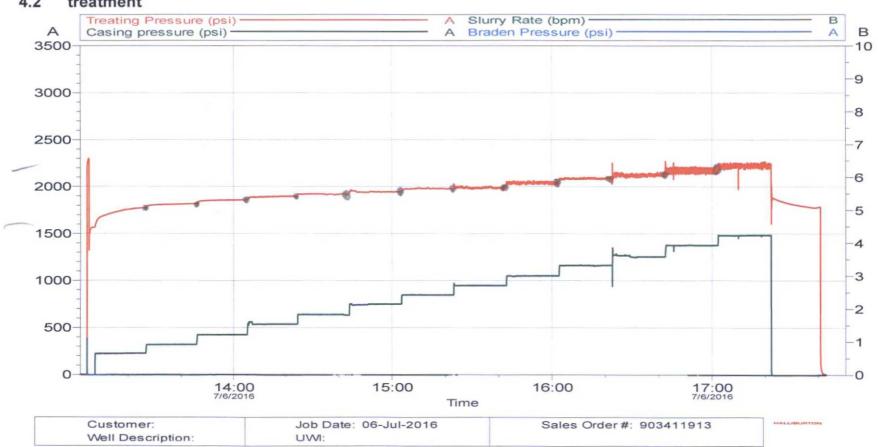
HALLIBURTON

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4.0 ATTACHMENTS



HALLIBURTON



4.2 treatment

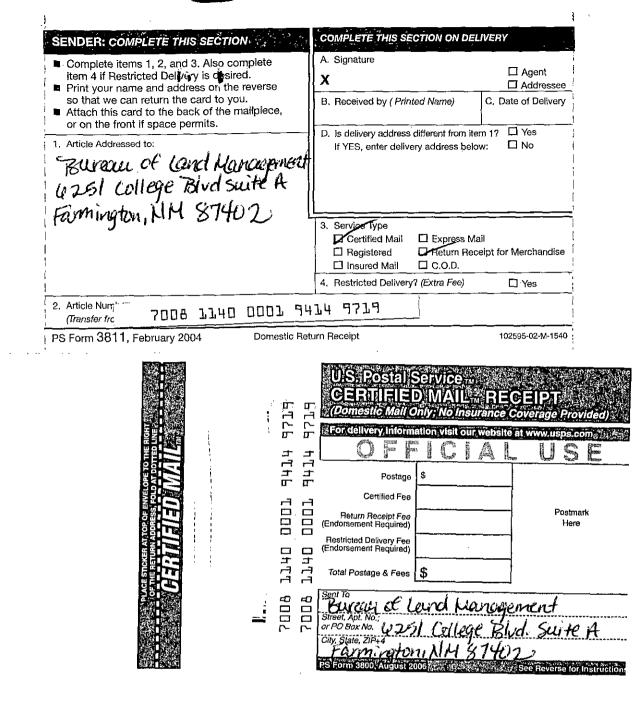
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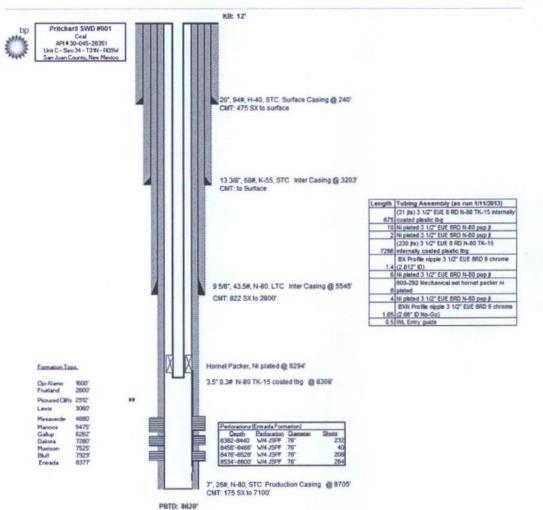
Created: July 06, 2016 INSITE for Stimulation V. 4.6.3 (IFS v4.6.3)

	UNITED STATES PARTMENT OF THE INTER EAU OF LAND MANAGEM	FORM APPROVED OMB No. 1004-0137 Expires: October 31, 2014 5. Lease Serial No. NMNM013686 6. If Indian, Allottee or Tribe Name 7. If Unit of CA/Agreement, Name and/or No.				
Do not use this	NOTICES AND REPORTS (form for proposals to drill Use Form 3160-3 (APD) fo					
SUBMI	T IN TRIPLICATE – Other instruct					
1. Type of Well Oil Well Gas V		· ·		8. Well Name and No) .	
2 Name of Operator	Vell Other			Pritchard SWD 1 9. API Well No.		
BP America Production Company 3a. Address	3b Pho	ne No. <i>(include area co</i>	de)	30-045-28351 10. Field and Pool or	Explorat	orv Area
737 North Eldridge Parkway, 12.181A Houston, TX 77079	281-89	•	SWD; Morrison Bluff Entrada			
4. Location of Well (Footage, Sec., T., Sec. 34 T31N R09W NENW 615FNL 1840FWL	R., M., or Survey Description)			11. County or Parish, San Juan, NM	State	
12. CHEC	CK THE APPROPRIATE BOX(ES) TO	O INDICATE NATURI	E OF NOTI	CE, REPORT OR OTH	IER DAT	Ά
TYPE OF SUBMISSION		TY	PE OF ACI	TION		
Notice of Intent	Acidize	Deepen		uction (Start/Resume)	=	Water Shut-Off
	Alter Casing	Fracture Treat New Construction		amation mplete		Well Integrity _{Other} Increase Surface
Subsequent Report	Change Plans	Plug and Abandon		porarily Abandon		Injection Pressure
Final Abandonment Notice	Convert to Injection	Plug Back	······	er Disposal	-	(Step Rate Test Results
determined that the site is ready for BP requests to increase our max all performed 07/06/2016. Please see to NMOCD Santa Fe Notified via C-10	owable surface injection pressure on the attached documentation supported form.	on the Pritchard SWD				
 I hereby certify that the foregoing is tr Toya Colvin 	ue and correct. Name (Printed/Typed)	Title Regulato	ry Analyst			
Signature OUA CL	n	Date 07/13/20				
	THIS SPACE FOR FI					
Approved by						
		Title	Title Date			
Conditions of approval, if any, are attached that the applicant holds legal or equitable ti entitle the applicant to conduct operations t	tle to those rights in the subject lease wh hereon.	nt or certify ich would Office		······	,. ·	
Title 18 U.S.C. Section 1001 and Title 43 I fictitious or fraudulent statements or repres			d willfully to	o make to any departmer	t or agenc	y of the United States any false,
(Instructions on page 2)						·····

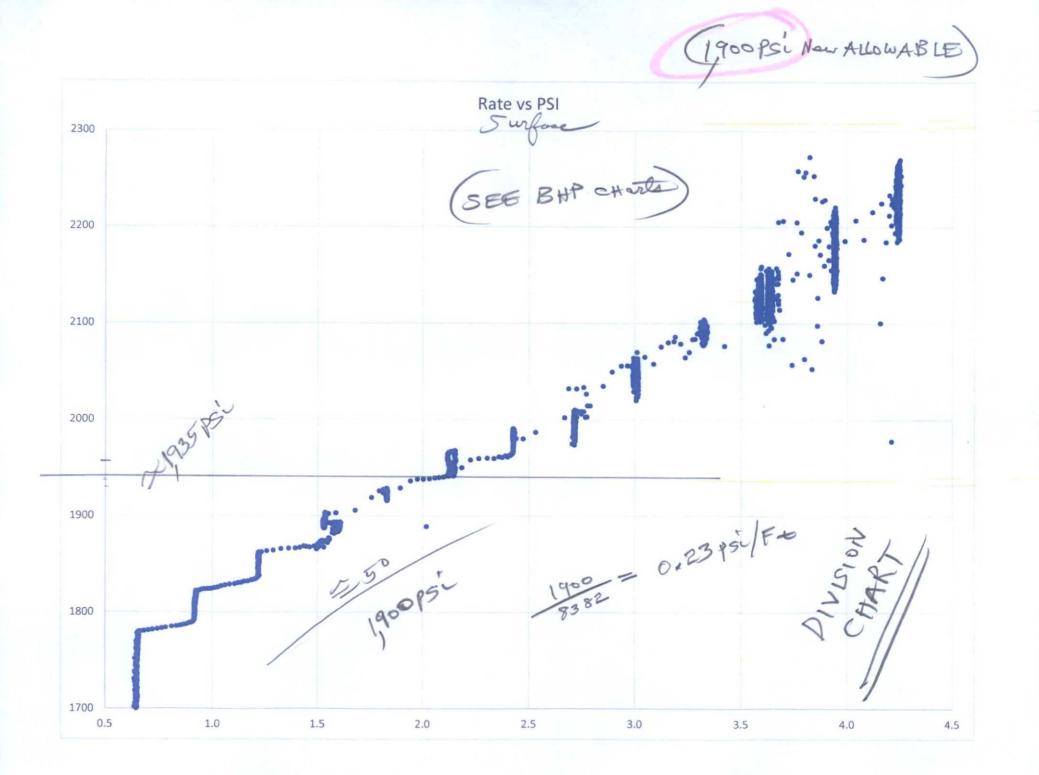
e---- 2"

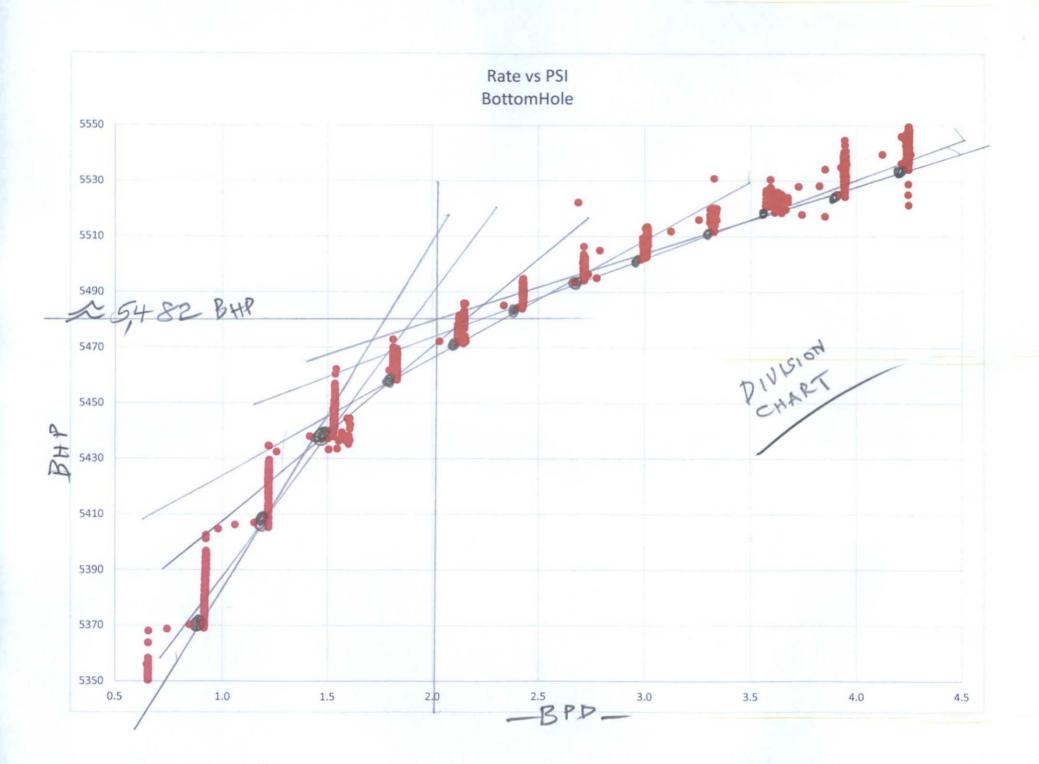


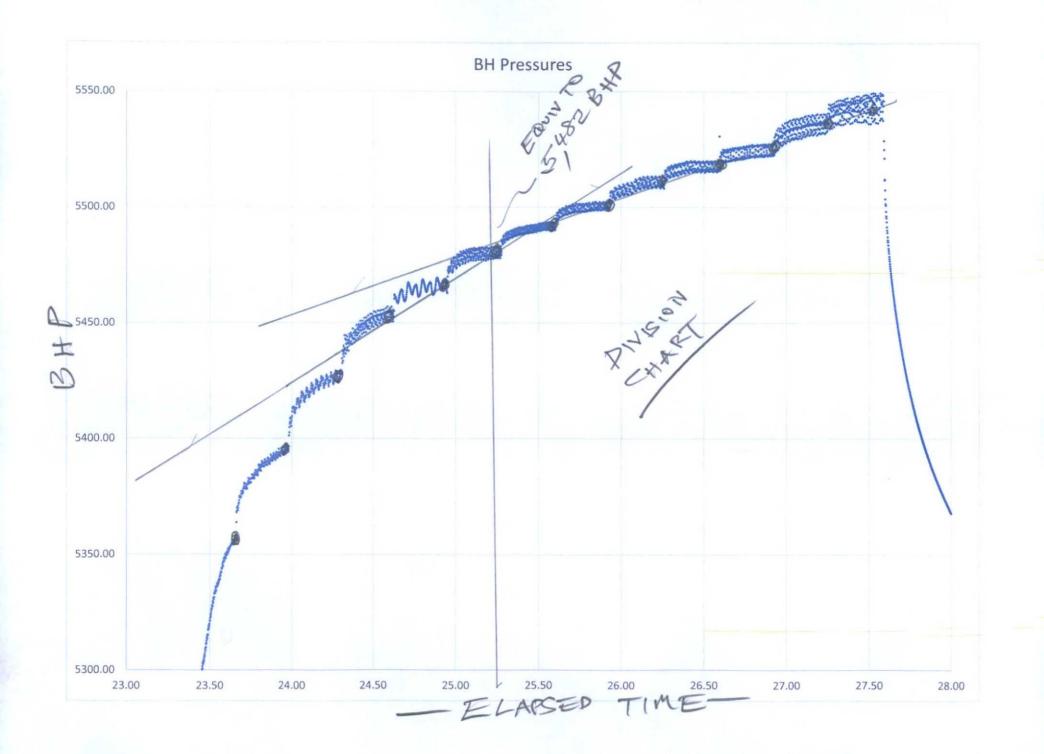


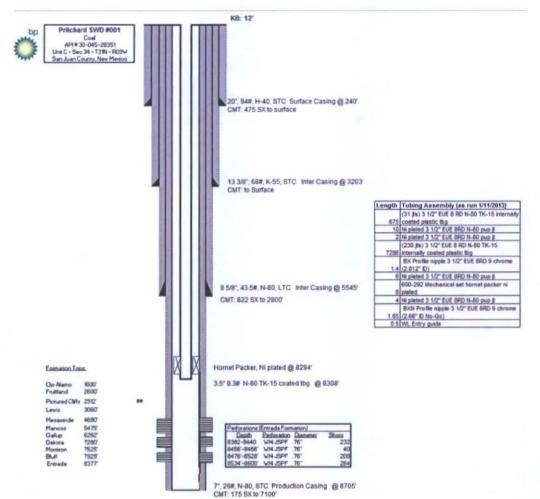


TD: 8705'









PBTD: 8620"

TD: 8705'

NORTH AMERICA - NORTH AMERICA GAS - BP

NEW MEXICO WEST NAD27 PRITCHARD SWD 1 PRITCHARD SWD 1 WORKOVER

Operation Summary Report

Disclaimer: Although the information contained in this report is based on sound engineering practices, the copyright owner (s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

1 General

1.1 Customer Information

Company	NORTH AMERICA - NORTH AMERICA GAS - BP
Representative	NA GAS
Address	

1.2 Well Information

Well	PRITCHARD SWD 1						
Project	NEW MEXICO WEST NAD27	Site	PRITCHARD SWD 1				
Rig Name/No.	RIGLESS/	Event Type	WORKOVER				
Start Date	7/5/2016	End Date					
Spud Date/Time	11/1/1990	UWI	615' FNL; 1840' FWL, S34 T31N R9W				
Active datum	ROTARY KELLY BUSHING @6,073.0ft (at	oove Mean Sea Level)					
Afe	1000053256 /						
No./Description							

2 Summary

2.1 Operation Summary

Date	1 2 2 2 2 2 2 2 2 2 2	Time (1997) rt-End	Hrs (hr)	Phase	Code	NPT	Task	(ft)	Operation
7/5/2016	7:00	8:00	1.00	INTERV	Р		DHEQ P		WEATHERFORD, WSI, ANTELOPE, TRAVEL FROM BASE TO PRITCHARD SWD 1 LOCATION
	8:00	8:15	0.25	INTERV	Р		DHEQ		PWA. JSA. PERMIT, JOB PLAN REVIEW
	8:15	10:30	2.25	INTERV	P		DHEQ P		RU CRANE MOVE BARRIERS, PULL SIDE DOOR OFF WELL HEAD HOUSE, & SLIDE HOSE WEST AWAY FOR WELL HEAD,
	10:30	13:10	2.67	INTERV	Р		DHEQ P		RI WH STAND, RD CROSS OVER LINE, RU WH FLANGE
	13:10	14:01	0.85	INTERV	Р		DHEQ P		RU SLICKLINE, RU 2.813 X PUMP THROUGH PLUG & GAUGES PLUG IN GAUGE 1162 13.46.36 PLUG IN GAUGE 2 # 1163 @ 13:47.41, EQUALIZE WH
	14:01	16:10	2.15	INTERV	Р		DHEQ P		RIH WITH X PLUG GAUGE HANGER TAG UP @ 2191, WORK THROUGH RIH TO 8297 WLM WORK TO SET GAUGE HANGER POH, OOH WITH GAUGES RESET SETTING TOOL
	16:10	18:58	2.80	INTERV	P		DHEQ P		RIH WITH GAUGE HANGER & GAUGES RESET GAUGES @ 7992 WLM LATCHING POH, SHUT IN WELL SECURE LOCATION
	18:58			INTERV	Р		DHEQ P		TRAVEL FROM PRITCHARD SWD 1 LOCATION TO BASE
7/6/2016	6:00	8:00	2.00	INTERV	Ρ		DHEQ P		HALLIBURTON , TRAVEL FROM BASE TO PRITCHARD SWD 1 LOCATION
	8:00	8:15	0.25	INTERV	Ρ		DHEQ P		PWA. JSA, RIG UP
	8:15	9:40	1.42	INTERV	Ρ		DHEQ P		RIG UP PUMPING UNIT 7 WATER LINE TO DISPOSAL TANKS BRADEND HEAD TEST FOR NMOCD BH 0 PSI INTERMIDATE PSI 0 , ANNULUS PSI 0
	9:40	10:15	0.58	INTERV	Ρ		DHEQ P		PRIME UP PSI TEST LEAK ON TOP WH FLANGE THREADS 3 1/2 TIGHTEN CHANG OUT STILL LEAK
	10:15	12:34	2.32	INTERV	N	WAIT	DHEQ P		CONTACT WH COMPANY ORDER DIFFERENT TOP FLANGE
	12:34	13:05	0.52	INTERV	P		dheq P		CHANGE OUT FLANGE RIG UP LINE PSI TEST PUMP & LINE (HELD)

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NORTH AMERICA - NORTH AMERICA GAS - BP

2.1 Operation Summary (Continued)

Date	1 / 1 / 2 10 2	ime rt-End	Hrs (hr)	Phase	Code	NPT	Task	NPT Depth (ft)	Operation
	13:05	17:20	4.25	INTERV	P		DHEQ P		START STEP RATE TEST STEP 1&2 RATE .6 BPM BEGIN PSI 1625 ENDING PSI 1770 STEP 3 RATE .9 BPM BEGIN PSI 1725 ENDING PSI 1780 STEP 4 RATE 1.2 BPM BEGIN PSI 1791 ENDING PSI 1795 STEP 5 RATE 1.5 BPM BEGIN PSI 1806 ENDING PSI
									1830 STEP 6 RATE 1.8 BPM BEGIN PSI 1843 ENDING PSI 1860
									STEP 7 RATE 2.1 BPM BEGIN PSI 1889 ENDING PSI 1905 STEP 8 RATE 2.4 BPM BEGIN PSI 1920 ENDING PSI
									1955 STEP 9 RATE 2.7 BPM BEGIN PSI 1955 ENDING PSI 1972
									STEP 10 RATE 3.0 BPM BEGIN PSI 2003 ENDING PSI 2030
									STEP 11 RATE 3.3 BPM BEGIN PSI 2047 ENDING PSI 2050 STEP 12 RATE 3.6 BPM BEGIN PSI 2072 ENDING PSI
									2072 STEP 13 RATE 3.9 BPM BEGIN PSI 2138 ENDING PSI 2180
									STEP 14 RATE 4.2 BPM BEGIN PSI 2197 ENDING PSI 2205
									SHUT DOWN 1615 ISIP LOW 5MINUTE 1819 10 MINUTE 1817 15MINUTE 1794
	17:20	19:02	1.70	INTERV	Р		DHEQ		SHUT IN WELL START RIG DOWN SECURE LOCATION
	19:02	20:20	1.30	INTERV	Р		DHEQ P		HALLIBURTON , TRAVEL FROM PRITCHARD SWD 1 LOCATION TO BASE
7/7/2016	6:00	7:00	1.00	INTERV	Р		DHEQ P		EXPERT DH, WEATHERFORD, CROSSFIRE TRAVEL FROM BASE TO PRITCHARD SWD 1 LOCATION
	7:00	7:30	0.50	INTERV	Р		DHEQ P		PWA,JSA, PERMIT, JOB PLAN
	7:30	8:10 9:35	0.67	INTERV	P P		DHEQ P DHEQ		RU CRANE & SLICKLINE RIH WITH GS PT, TAG @ 8292 PU & RI & TAG POH OOH
	9:35	12:16	2.68	INTERV	P		P		NO gAUGES GS TOOL HAD SHEARED REDRESS GS PT, RIH TAG @ 8292 WLM LATCH POH
							Р		OOH WAS NOT ABLE TO RETRIVE GAUGE HANGER CHECK GS TOOL RIH AGAI TAG @ 8292 WLM WORK DOWN TO GET A BETTER LATCH POH OOH GAUGE HANGER
	12:16	12:35	0.32	INTERV	P		DHEQ P		RD SLICKLINE & LUBRICATOR, UNPLUG GAUGE 1161 12:32 UNPLUG GAUGE 1163 12:33
	12:35	14:00	1.42	INTERV	Р		DHEQ P		WASH WH OFF, RD WH STAND FINISH WASH WH OFF, RU PUSH WH HOUSE BACK IN TO PLACE OVER WELL HEAD INSTALL SIDE WALL RIG UP INSIDE OF WH HOUSE SHUT IN WELL PREP FOR HANDBACK
	14:00	15:00	1.00	INTERV	Р		DHEQ P		WEATHERFORD , WSI, CROSSFIRE TRAVEL FROM PRITCHARD SWD 1 LOCATION TO BASE

NORTH AMERICA - NORTH AMERICA GAS - BP

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1	General
1.1	Customer Information
1.2	Well Information 1
2	Summary 1
2 .1	Operation Summary



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON Governor Joanna Prukop Cabinet Secretary

October 11, 2005

Mark E. Fesmire, P.E. Director Oil Conservation Division

Division Order No. IPI-258

BP America Production Company 501 Westlake Park Blvd. Houston, Texas 77079

Attention: Mr. David Reese

RE: Injection Pressure Increase Pritchard SWD Well No. 1 San Juan County, New Mexico

Dear Mr. Reese:

Reference is made to your request received by the Division on September 14, 2005, to increase the surface injection pressure on the Pritchard SWD Well No. 1. This request is based on a step rate test conducted on the well on December 12, 2003. The results of the step rate test show that an increase in the surface injection pressure for this well is justified and will not result in the fracturing of the injection formation and confining strata.

You are therefore authorized to increase the surface injection pressure on the following well:

WELL NAME & NUMBER	MAXIMUM SURFACE INJECTION PRESSURE		
Pritchard SWD Well No. 1 API No. 30-045-28351 Unit C, Section 34, T-31 North, R-9 West, NMPM, San Juan County, New Mexico	1843 PSIG		

The Division Director may rescind this injection pressure increase if it becomes apparent that the injected fluid is not being confined to the injection zone or is endangering any fresh water aquifers.

Oil Conservation Division * 1220 South St. Francis Drive * Santa Fe, New Mexico 87505 Phone: (505) 476-3440 * Fax (505) 476-3462 * http://www.emnrd.state.nm.us Injection Pressure Increase BP America Production Company October 11, 2005 Page 2

Sincerely, z

Mark E. Fesmire, P.E. Division Director

cc: Oil Conservation Division - Aztec File: SWD-405