

DATE IN 1/2/13	SUSPENSE	ENGINEER WVS	LOGGED IN 1/2/13	TYPE IPI 418-A	APP. NO. WVS/300331099
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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



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 _____
- [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.

Fatima Vasquez

Print or Type Name

Signature

Regulatory Tech

Title

12/21/12

Date

Fatima.Vasquez@apachecorp.com

e-mail Address



12/21/12

Mr. Will Jones
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: Geronimo 28 State Com #1

Mr. Will Jones,

Based on the Administrative Order IPI-418-0 issued on July 30, 2012, the maximum surface injection pressure is 2000 psi. Apache Corporation respectfully requests to increase the injection based on the 3 ½" tbg. Step rate tests have been performed and the results are summarized below. More detailed information in regards to the test and wellbore are enclosed.

Well	API	Fracture Pressure	Requested Inj. Pressure Limit	SRT Date
Geronimo 28 State Com #1	30-015-31829	Not observed	2000*	11/27/12

* Increase tubing size from 2 ¾" to 3 ½".

Please feel free to contact the engineer, Mark Thomas, at (432) 818-1071 or myself should you have any questions or need any other information. Thank you for your time and consideration.

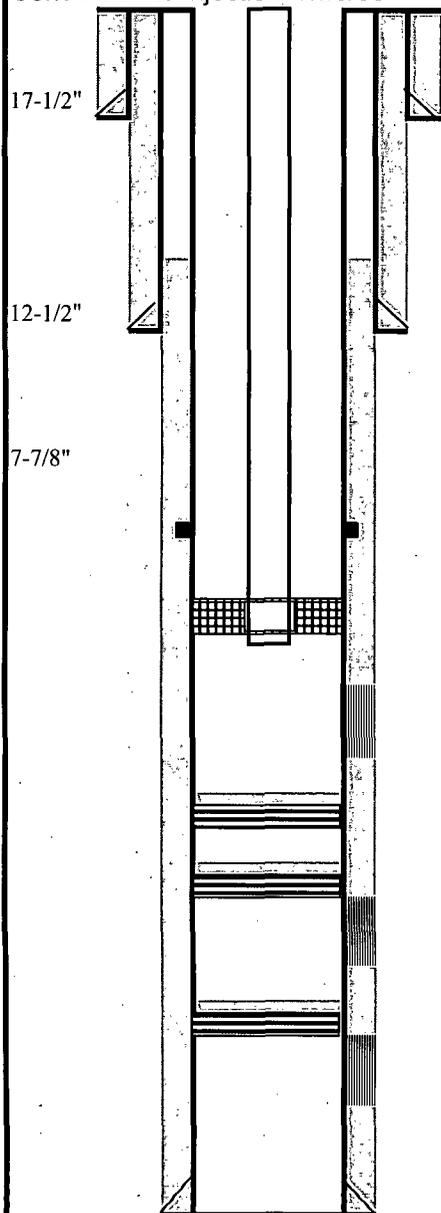
Regards,

Fatima Vasquez
Regulatory Tech I
Apache Corporation
Fatima.Vasquez@apachecorp.com
(432) 818-1015

Apache Corp.

GROUP:	Permian North	DATE:	Dec. 21, 2012
FIELD:	Empire (Mariner)	BY:	Sarah Hardin
LEASE/UNIT:	Geronimo 28 State Com	WELL:	#1
COUNTY:	Eddy	STATE:	New Mexico
API:	30-015-31829		

Unit J, Section 28, T-17-S, R-28-E	KB = 21'
1500' FSL & 1800' FEL	GL = 3684'
Spud Date: 7/1/2011	
Rig Release Date: 7/27/2001	
Conversion to injection: 7/28/08	



13-3/8" 48# H-40 Set @ 450'
CMT W/430 SXS (SURF/CIRC)

9-5/8" 36# J-55 Set @ 2700'
CMT W/955 SXS (TOC=SURF)

DVT @ 5486'

3-1/2" Fiberline tbg @ 8022' w/5-1/2" x 17# Arrowset Pkr @ 8029'

CISCO
8088'-8286'

CIBP @ 8450' w/35' cmt

CIBP @ 9920' w/35' cmt
MIDDLE MORROW
10092'-10098' w/6 spf

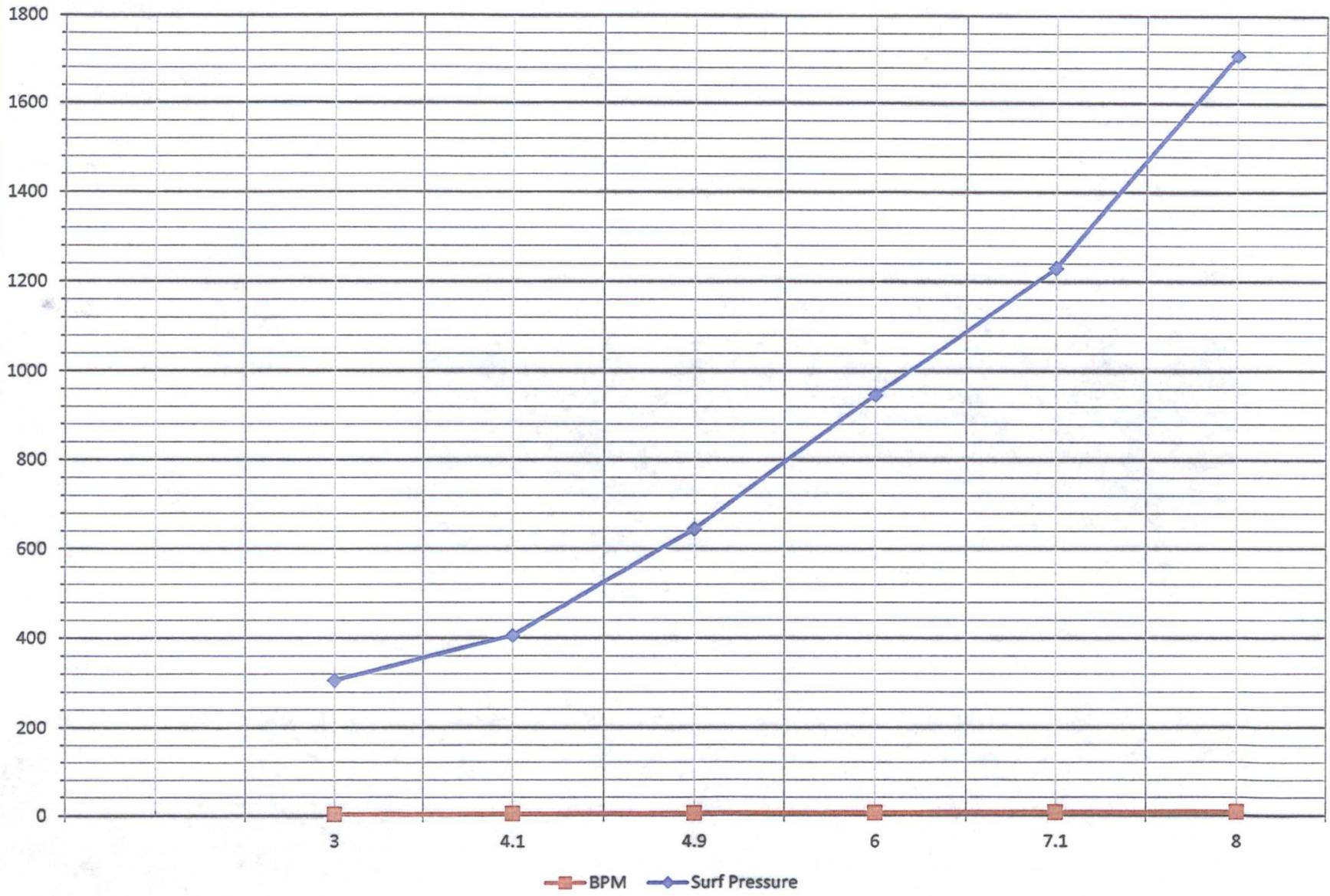
CIBP @ 10170' w/20' cmt
LOWER MORROW
10178'-10205'

5-1/2" 17# N-80 Set @ 10488'
CMT W/675 SXS (1st stage) & 610 (2nd stage) SXS (TOC = 2210' per CBL)

current and used Dry Test.

TD = 10488'
PBTD = 8415'

Geronimo 28 State #1 - Step-Rate Injectivity - Surface Pressure





APACHE

ALBERT MAES

Treater: DAVID JUAREZ

11/27/2012

Well: 1

Field: GERONIMO 28 STATE COM
EDDY, NM

NOV Rolligon



Treatment Report

Customer: APACHE	Ticket #: 64789
Well Name & No.: GERONIMO 28 STATE COM #1	Formation: 0.00
County: EDDY	Date: November 27, 2012
State: NM	Well type: Disposal. Old / Stim.

Customer Information	
Address:	0.00
City, State:	0.00
Zip Code:	0
Customer Representative:	ALBERT MAES



Remarks		Arrive on Location:	11:00 AM
		Depart Location:	2:00 PM
		Total Hours:	3.00

	Depth	O.D	Weight	I.D	Volume	Bbls/linear ft.
Tubing 1 length ft.:	N/A		0	0.000	0.00 BBLs.	0.00000
Tubing 2 length ft.:					0.00 BBLs.	0.00000
Casing 1 length ft.:	N/A	5 1/2	0.00	0.000	##### BBLs.	0.00000
Casing 2 length ft.:					0.00 BBLs.	0.00000
Open Hole length ft.:		N/A	N/A		0.00 BBLs.	0.00000
Combined Depth ft.:	#VALUE!				Annular Vol.: BBLs.	0.00000

	Depth	Vol.	Maximum Pressure:	ISIP:
Top Perf/Open Hole:	N/A	#VALUE!	1780	0
Bottom Perf/Open Hole:	N/A	#VALUE!	Average Pressure: 1100	5 min:
Number of Perfs:	N/A		Maximum Rate: 8.0	10 min:
Perf Size:	0.31 in.		Average Rate: 4.8	15 min:
Packer Depth:	N/A ft.		Fluid to Recover: 318.9	Proppant Total:

Time	STP	Casing	Rate	Stage	Total	Comments
11:00:52 AM	0					SAFETY MEETING
12:31:26 PM	520		0.0		0.6	PRESSURE TESTED CASING
1:00:09 PM	2138	0.0	0.0		1.3	START WATER
1:05:33 PM	2913	0.0	0.0		1.5	SHUTDOWN
1:07:44 PM	2980	0.0	0.0		1.6	START WATER
1:08:44 PM	731	0.0	3.1		0.3	3 BPM
1:11:50 PM	703	0.0	3.0		10.0	10 BBLs
1:15:05 PM	573	0.0	3.0		20.0	20 BBLs
1:18:24 PM	470	0.0	3.0		30.0	30 BBLs
1:21:38 PM	378	0.0	3.0		40.0	40 BBLs
1:24:55 PM	306	0.0	3.0		50.0	50 BBLs
1:25:19 PM	462	0.0	4.0		51.0	4 BPM
1:27:44 PM	413	0.0	4.0		61.0	10 BBLs
1:30:11 PM	376	0.0	4.1		71.0	20 BBLs
1:32:39 PM	372	0.0	4.1		81.0	30 BBLs
1:35:03 PM	380	0.0	4.1		91.0	40 BBLs
1:37:32 PM	405	0.0	4.1		101.0	50 BBLs
1:37:59 PM	562	0.0	5.0		102.8	5 BPM
1:39:59 PM	711	0.0	5.0		112.6	10 BBLs
1:41:54 PM	625	0.0	5.0		123.0	20 BBLs
1:43:55 PM	604	0.0	4.9		132.9	30 BBLs
1:46:01 PM	589	0.0	4.9		142.9	40 BBLs
1:48:01 PM	644	0.0	4.9		152.9	50 BBLs
1:48:40 PM	814	0.0	6.0		155.6	6 BPM
1:50:13 PM	827	0.0	6.0		165.3	10 BBLs
1:51:51 PM	950	0.0	6.0		175.7	20 BBLs
1:53:38 PM	959	0.0	6.0		185.4	30 BBLs
1:55:13 PM	904	0.0	6.0		195.4	40 BBLs
1:56:51 PM	946	0.0	6.0		205.7	50 BBLs
1:57:46 PM	1357	0.0	7.0		210.0	7 BPM
1:59:12 PM	1290	0.0	7.0		222.0	10 BBLs

Handwritten notes:
 1/2 P.C. TUBING
 used in S.P.

APACHE-GERONIMO-28-STATE-COM-1---11-27-12

