

06/18/12 DATE IN	SUSPENSE	Ezeanyim ENGINEER	06/19/12 LOGGED IN	IPI TYPE	PJDO 1217130781 APP NO.
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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] OGRID 873
API 30-015-31829
W No Located GERONIMO28 STATE.COM
J-28-175-28E
- [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

06/11/12

Date

Fatima.Vasquez@apachecorp.com

e-mail Address

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2012 JUN 18 P 1:39

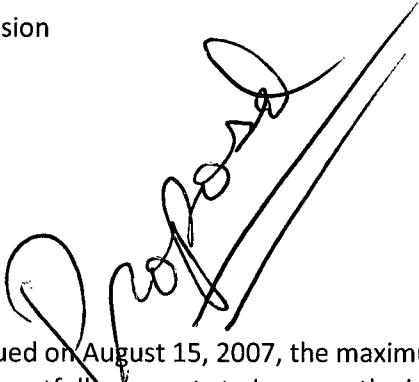
06/11/12

Mr. Terry G. Warnell
New Mexico Oil Conservation Division
1220 South St. Frances
Santa Fe, NM 87505
505-476-3466

RE: Geronimo 28 State Com #1

Mr. Terry Warnell,


Based on the order SWD 1094 issued on August 15, 2007, the maximum surface injection pressure is 1599 psi. Apache Corporation respectfully requests to increase the injection pressure on the Geronimo 28 State Com #1. 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	Cannot conclude, test holds for 2000 psi.	2000	05/21/12

Please feel free to contact me if you have any questions or need any other information. Thank you for your time and consideration.

Regards,



Fatima Vasquez
Regulatory Tech
Apache Corporation
303 Veterans Airpark Lane
Suite #3000
Midland, Texas 79705
(432) 818-1015

Apache Corp.

GROUP:	Permian North	DATE:	Jun. 07, 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

1500' FSL & 1800' FEL

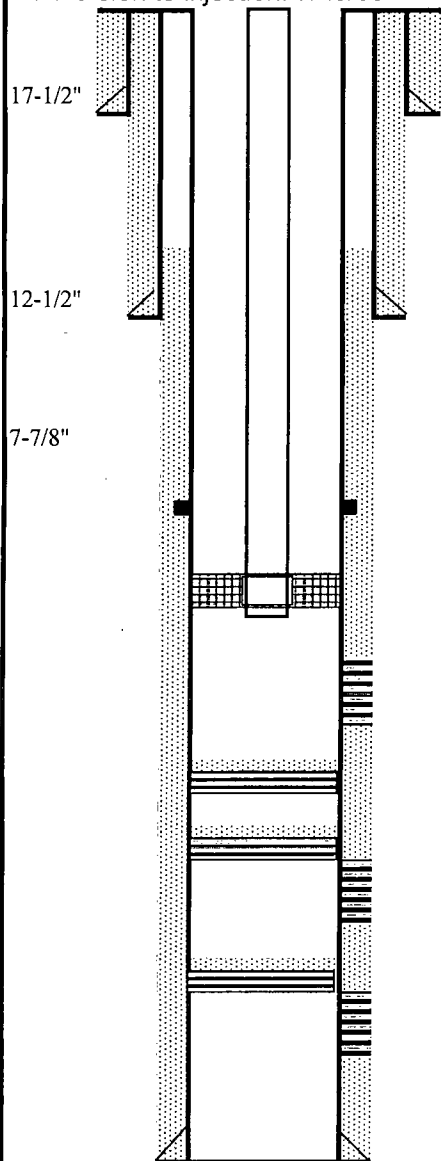
Spud Date: 7/1/2011

Rig Release Date: 7/27/2001

Conversion to injection: 7/28/08

KB = 21'

GL = 3684'



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'

2-7/8" Duoline 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)

TD = 10488'
PBD = 8415'



Treatment Report

page 1

Customer:	APACHE	Ticket#	61102
Well Name & No.	GERONIMO 28 STATE COM #1	Formation	0.00
County	EDDY	Date	May 21, 2012
State	NM	Well type	Oil / Old / Stim.
Customer Information			
Address	0.00		
City/State	0.00		
Zip Code	0		
Customer Representative	DUSTIN PAYTON		

Remarks

						Arrive on Location	6:00 AM
						Depart Location	9:00 AM
						Total Hours	3.00
Tubing 1 length ft.	Depth	OD	Weight	ID		Volume	Bbls/linear ft.
Tubing 2 length ft.	N/A	2 7/8	0	0.000		0.00 BBLs.	0.00000
Casing 1 length ft.	N/A	5 1/2	0.00	0.000		0.00 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!					0.00 BBLs.	0.00000
						Annular Vol	BBLs
							-0.00803

Top Port/Open Hole	Depth	Vol	Maximum Pressure	2071	ISIP	190
Bottom Port/Open Hole	N/A	#VALUE!	Average Pressure	1558	5 min	
Number of Ports	0		Maximum Rate	6.1	10 min	
Port Size	0.31	in.	Average Rate	4.9	15 min	
Packer Depth	N/A	ft.	Fluid to Recover	174	Proppant Total	

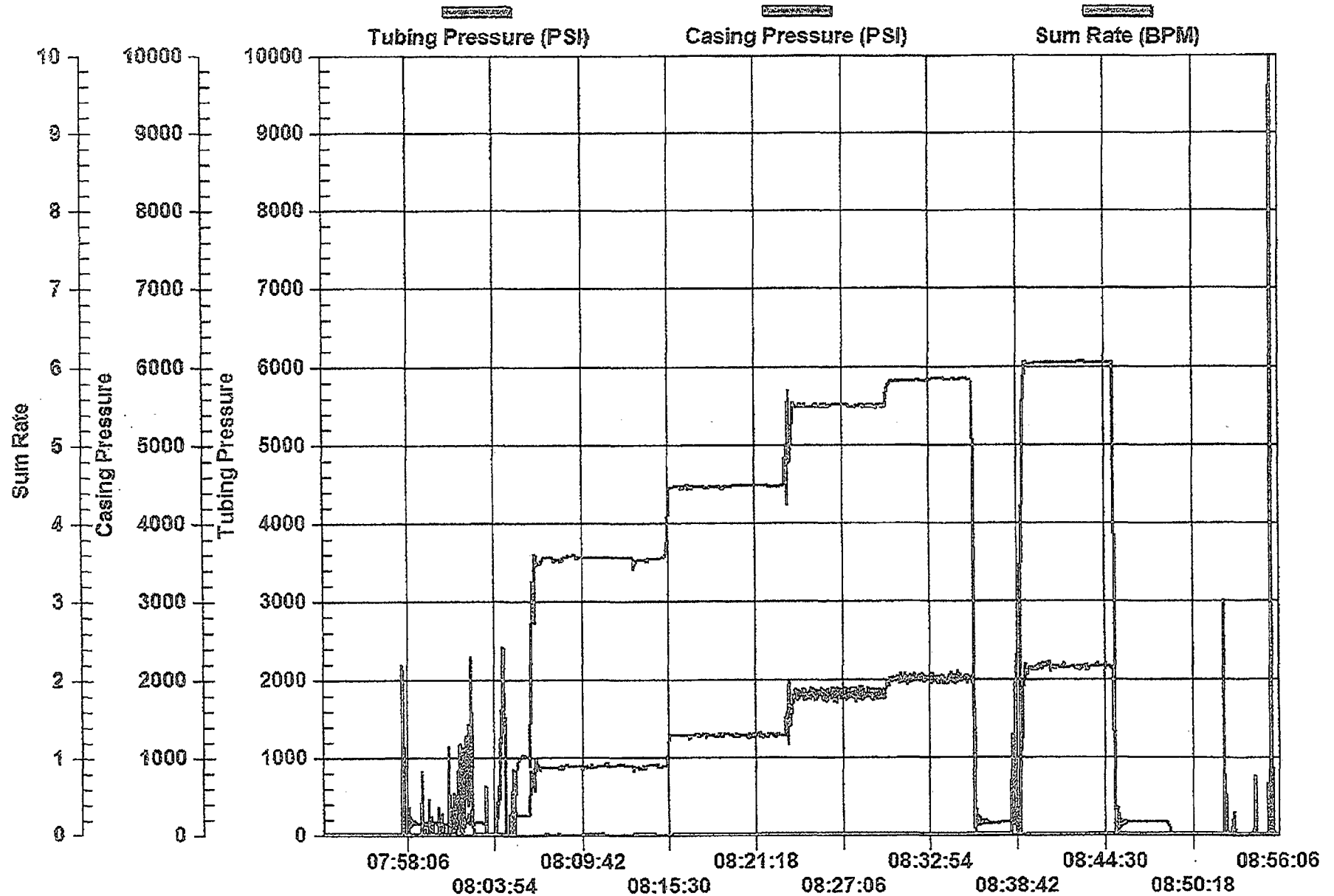
Time	SIIP	Casing	Rate	Stage	Total	Comments
6:00:37 AM	0					SAFETY MEETING
8:07:50 AM	862		3.5		0.4	3.5 BBLs
8:09:31 AM	901		3.5		7.0	PSI & RATE CHECK
8:11:00 AM	884		3.5		12.0	PSI & RATE CHECK
8:11:49 AM	890		3.5		15.0	PSI & RATE CHECK
8:13:03 AM	906		3.5		20.0	PSI & RATE CHECK
8:16:07 AM	897		3.5		30.0	PSI & RATE CHECK
8:16:45 AM	1266		4.5		31.9	4.5 BBLs
8:19:32 AM	1304		4.5		45.0	PSI & RATE CHECK
8:22:25 AM	1305		4.5		57.0	PSI & RATE CHECK
8:22:57 AM	1270		4.5		59.0	PSI & RATE CHECK
8:23:55 AM	1305		4.5		64.4	PSI & RATE CHECK
8:25:11 AM	1893		5.5		70.0	5.5 BBLs
8:25:34 AM	1800		5.5		73.0	PSI & RATE CHECK
8:26:20 AM	1877		5.5		77.0	PSI & RATE CHECK
8:27:11 AM	1844		5.5		82.0	PSI & RATE CHECK
8:29:01 AM	1850		5.5		90.0	PSI & RATE CHECK
8:29:47 AM	1847		5.5		96.0	PSI & RATE CHECK
8:30:40 AM	1871		5.5		100.7	PSI & RATE CHECK
8:31:13 AM	2004		5.8		105.0	5.8 BBLs
8:31:55 AM	2049		5.8		109.0	PSI & RATE CHECK
8:32:39 AM	2019		5.8		114.0	PSI & RATE CHECK
8:33:06 AM	2033		5.8		116.0	PSI & RATE CHECK
8:33:40 AM	2071		5.8		119.0	PSI & RATE CHECK
8:34:58 AM	2010		5.8		127.0	PSI & RATE CHECK
8:35:41 AM	2016		5.8		131.0	PSI & RATE CHECK
8:37:00 AM	190		0.0		136.2	PSI & RATE CHECK
8:40:23 AM	2159		6.0		139.6	6 BBLs
8:40:59 AM	2171		6.0		144.0	PSI & RATE CHECK
8:41:45 AM	2179		6.0		149.0	PSI & RATE CHECK
8:42:33 AM	2199		6.0		153.0	PSI & RATE CHECK

Treatment Report Continuation		
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APACHE-GERONIMO-28-STATE-COM-1---5-24-12



Step Rate Test Comparison for Geronimo 28 State Com #1

