APP NO PRG 1325360910

### NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

		1220 South St. Francis Drive, Santa	Fe, NM 87505	912 934
		ADMINISTRATIVE APPL	CATION CHECK	LIST
Т	HIS CHECKLIST IS M	ANDATORY FOR ALL ADMINISTRATIVE APPLICATION		ON RULES AND REGULATIONS
<b>A</b> pplio	[DHC-Dow	ndard Location] [NSP-Non-Standard Pr nhole Commingling]	oration Unit] [SD-Simultan nmingling] [PLC-Pool/Lea orage] [OLM-Off-Lease N ressure Maintenance Expa	ase Commingling] leasurement] ansion]
	[EOR-Qua	lified Enhanced Oil Recovery Certificat		oction Response]
[1]	TYPE OF AI [A]	PPLICATION - Check Those Which Ap Location - Spacing Unit - Simultaneou NSL NSP SD	s Dedication RP1#	30-015-40876 Geronimo 28 State <sup>1</sup>
	Check [B]	COne Only for [B] or [C]  Commingling - Storage - Measuremen  DHC CTB PLC	<u> </u>	on I-28-175-28E 2135' FSL4 190' FI LM
	[C]	Injection - Disposal - Pressure Increase WFX PMX SWD	e - Enhanced Oil Recovery  ✓ IPI ☐ EOR ☐ P	PR
	[D]	Other: Specify St	UD-1378-B	-
[2]	NOTIFICAT [A]	ION REQUIRED TO: - Check Those Working, Royalty or Overriding I		Apply
	[B]	Offset Operators, Leaseholders or	Surface Owner	
	[C]	Application is One Which Requir	es Published Legal Notice	
	[D]	Notification and/or Concurrent A U.S. Bureau of Land Management - Commissioner	oproval by BLM or SLO of Public Lands, State Land Office	
	[E]	For all of the above, Proof of Not	fication or Publication is A	ttached, and/or,
	[F]	Waivers are Attached		
[3]		CURATE AND COMPLETE INFOR ATION INDICATED ABOVE.	MATION REQUIRED TO	PROCESS THE TYPE
	val is <mark>accurate</mark> a	<b>TION:</b> 1 hereby certify that the information described to the best of my knowledge equired information and notifications are	e. I also understand that no	
		: Statement must be completed by an individua	with managerial and/or supervi	
	ma Vasquez		Regulatory Te	······································
Print o	or Type Name	Signature	Title	Date
			rauma.vasque	ez@apachecorp.com

e-mail Address



RECEIVED OCD

2813 SEP -9 P 12: 3'

09/04/2013

Mr. Phillip Goetze Oil Conservation Division 1220 South St. Francis Drive Santa Fe, NM 87505

RE: Geronimo 28 State SWD #2

Mr. Phillip Goetze,

Based on the order SWD 1378-B issued on June 17, 2013 for Geronimo 28 State SWD #2, the maximum surface injection pressure is 1435 psi. Apache Corporation respectfully requests to increase the injection pressure. 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.	SRT Date
			Pressure Limit	
Geronimo 28	30-015-40876	2212 psig surface	Highest Allowable	08/27/2013
State SWD #2			Pressure	

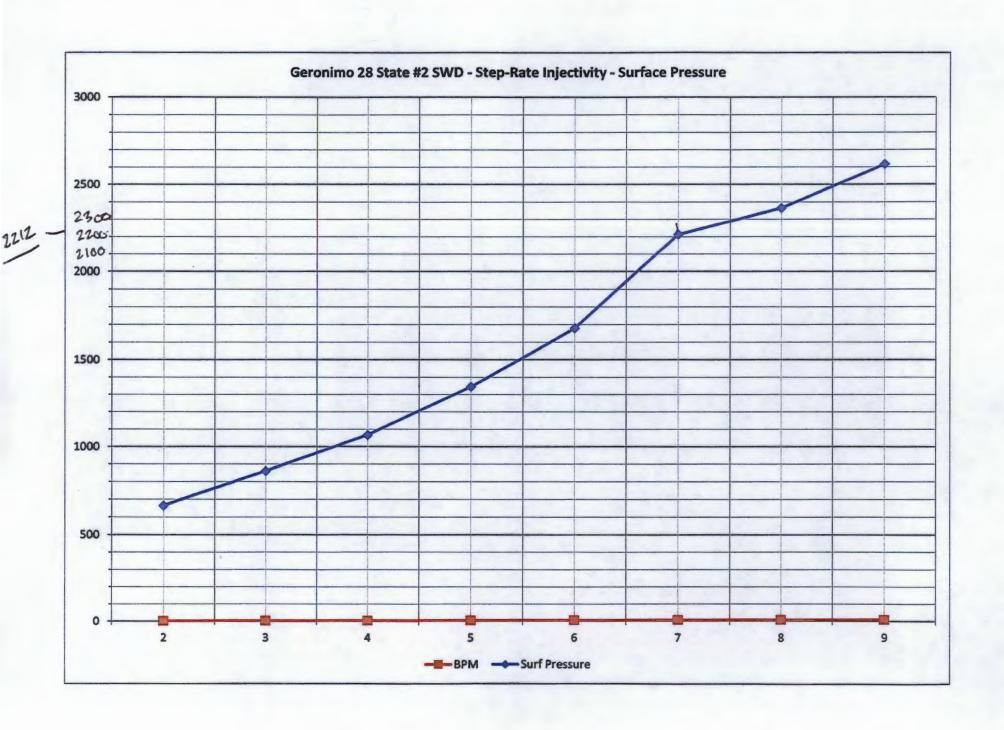
Please feel free to contact the engineer, Mark Thomas, at (432) 818-1071 or myself should you have any questions or need any other information. Thank you for your time and consideration.

Regards,

Fatima Vasquez Regulatory Tech II **Apache Corporation** 

Fatima.Vasquez@apachecorp.com

(432) 818-1015





# **APACHE**

## JAVIER BERDOZA

Treater: DAVID JUAREZ 8/27/2013

Well: 2

Field: GERONIMO 28 STATE

EDDY, NM



#### PETROPLEX ACIDIZING, L.P.

Page	No
	840

					SERVI	CE REPORT		-	2
STATIO	N L	oving la	и	SERV	ICE REC	EIPT NO. 629	64	DATE _8.2	7-13
COMPA	NY	Model	10			STATE	124	COUNTY E	1.1.
LEASE	60	DALBIC.	28 3	state	WE	LL NO. 2	POOL	COUNTI	a state of the sta
COMPA	NY REP	RESENT	ATIVE _	Jeger Cr	Bo, do	SERVICE	ENGIN	Devid Ju	6182
						1	2 221022		
Casing O.	D	. Wt	Depth	Cem	ent	Date Drilled		Permetten	
Liner O.I		- Wt	From.		Γα	Pay Section From.		То	
			opth			Present Total Dept		P. B. From	
COMAL E.	CREI : ABOUT			From	To				
					7.7				
Casing Pe	riorations								
0			Prom				_		
			Prom			Pumps used on C	¥		
			In			Tbg Bo	ls. Csg	Bbls. Open Hole	Bble
				008.		Vol. of Pay Zone		Bible. Vol. to Spot	Bble
					-	Vol. to Flush		Bhis. Over Flush	
			24222						
TIME	PRE	SSURES	BARREL	S OF FLUI Per	Per Per			Tested Conne	ections
LM.P.M.	Casing	Tubing	Formation	-	Minute	REMARKS		Thg Cs	g
10:04	2/3	878		163.3	35	3.5 BPM			
10:07	273	935	-	1733	3.5	10 66/5			
12:10	272	947		133.3	3.5	20 66/5			
11:11	2-21	257		188.3	3.5	25 bh/s			
0:17	274	1000		190.3	4	4 BPM			
10:12	274	1078		210.3	-1/	10 hbls			
10:18	271	104.7		215.3	4	25 bh/s			
10:19	275	1114		230	45	4.5 BPAI			
15.01	278	1155		230	11.5	10 66/5			
14:24	777	1176	~	7116	41.5	Zo Hhls			
10:24	276	1146		345	4.5	250 16/5			
10:25	278	12.79	Arteur Park	242.7	-5	5 BPM			
10:27	287	1317	-	267.7	5	10 bh/s			
10.30	290	1344		222.7	5	25 hb15	-		
10:31	293	1387	-	275	5.5	5.5 Rem			
10' 73	298	1452		285	55	10 1615			
10:34	303	1517		295	5.5	20 15/15			-
0:35	308	1511	-	300	-5,5	25 bhs			
10:36	331	1589	4400	302	6	6 BPN1			
10:37	337	1678		312	60	10 bh/3			
10:40	340	1678	,-	327	10	25 66/5			
			-						
						Instant Shut Down Pro	essure		
						Pressures		es After ISDP	
				-		Maximum Pressures an	nd Avg. I	ajection Rate	
			MALO?			Minimum Bearings			

Total Load: Acts \_

Bbls. Oil · Water \_\_\_

## PETROPLEX ACIDIZING, L.P.

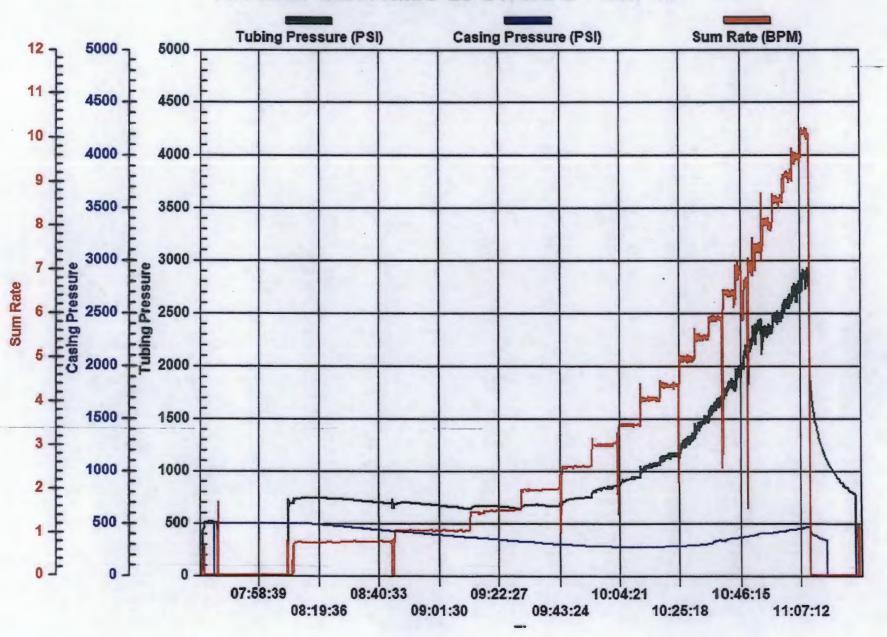
Page	. N.
-	. 40

•	. ,					ICE REPORT		-	
STATIC	ON L	wineto	1	_ SERV	ICE REC	EIPT NO. 62	2964	DATE _8.2	7-13
COMPA	NY	Maar	he			STATE .	1/11	COUNTY C	ldy
LEASE	17Peun	Mo ?	& State		WI	ELL NO. 2	PO	OL	
COMPA	NY REF	PRESENT	TATIVE _	Lanice	Berdon	SERV	ICE ENC	GINTED David	Tues 107
Casing O	D.	W.	Depth_	Cerr	ent	Date Drilled		Permettes	
			From					То	
Tubing #	ba	£	opti	Peri	Open En			P. B. From	
Hyd. Hold	Down;	nhe		Depth_					
Upper Packer: Make Depth Depth Depth								Step Rate	
No. Shots From To						1 1			
	No. Shots From 10						_ Lbs		Materia
Casing Pe	erforations						_ Lbs		Materia
1						Other Materia	al	73:	
		-				Pumps used	on Tog. Z	2401	
			From			Pumps used	on Cag	2401	
			Prom In					Bbis. Open Hole	Rhie
	formation		In	C3g.				Bbls. Vol. to Spot	
Outer Mu	ior madori							Bhis, Over Flush	
	202	6011D DO			D PUMPEL			Tested Conne	ctions
TIME	Casing	SSURES	In Formation	Per	Per Minute	REMA	PKe	Tbg Ch	
7:1282			C.			Safet .			
2:41	497	0		0,3	Q.	Test Case	april 139		
8:12		738	en.	18.	.8	. 8 BPAL			
8.53	479	235	-	10	,8	10 3815			
8.27	447	707		20	-8				
8.43	429	694		25	18	25 BB15			
8:57			120-			1 BPM			
			653 -			N RRIS			
9:11		641		53.5	1	25666			
9:12		655		55.3	1.5	1.5 BPA	7		
9:19	349	61.6	1687	65.3	1.5	10 bb/s			
9. 26	333	650		75.3	15	20 16/4			
9'19	325	638		80.3	1.5	25 hhls			
9:35	3/5	626	-	81.4	7	2 BPB			
9'40	307	663	den	161.4	2	20 6615			
9:43	297	666		166.4	7	25 bb/5 9			
9:44	295	740		169.5	2.5	2.5 BPM	110-2	mi -	
7:49	290	740		1195	25	10 bb/s	100	V.	
9:52	185	749	Name and	179.5	25	20 hhls		•	
9:54	281	756		134.5	3	25 bb/s 1 3 BPM	1		
9:58	279	8210	Ma.	145.6	3	10 1015	1	2 min	
10:01	274	847	-	155.6	3	20 6/15			
10'03	273	861		16016	3	25 hhls.			
						Instant Shut Down	Pressure		
						Pressures		nutes After ISDP	
	-					Maximum Pressure		. Injection Rate	
		-				Minimum Pressure: Total Load: Add	_	Phla Oil Water	-
						TOUR PORG! Wall		Bbls. Oil · Water	Bbl:

					SERVIC	E REPORT			3
STATIO	N_Lo	wings or		_ SERV	ICE RECEI	PT NO. 67	964	DATE _	8-27-13
COMPA	NY	A	Darke			STATE	Pas 1	COUNTY	Eddy
LEASE	Cye.	CHIME	78 5	lale	WEL	L NO. 2	PO	OL	. /
COMPA	NY REI	PRESENT	ATIVE _	Javio	Bordo	SERY	VICE EN	GINDER David	/Jucre-
Casing O	D	- Wt-	Depth	Cen	ent	Date Drifted		Formation	
			From_					То _	
					Open End			P. B. Fr	
							-		
Upper Pa	cker: libit	-		Depth_			_ Gals		Туре
Lower Pa	cker: Mak						_ Gals		Туре
		No	. Shots				Lbs		Material
Cacine De	rforations	_					_ Lbs		Material
Cubing 1	it tot at rosts					Other Materi	al		
						1			
Open Hole	: Sint	1	Prom.						
			Prom						
			In	Csg				Bbls. Open	
Other In	ormation							Bbls. Vol. to Spot	
						Vol. to Flush		Bbis. Over Flush .	Bbia.
TIME	PRE	SSURES	BARREL	S OF FLUI	Per Per			Tested	Connections
LM.P.M.			Formation			REMA	RKS	Tbg	Cag
10,40	345	1749	,-	325.	6.5	0.5 BPAI			
0'47		1844		339	6.5	10 blols			
: 413		1829			6.5				
0.44		1815		354	<u> </u>	3.75 hb/s			
15.45	359	1377		13%					
0 4/6		1459		1/11/2		10 6415			
119		2638	- 30			7. 66/5			
0.56		2112		396	-	25 BBM			
6:51	393	2317	~~	406		10 bh/s			
5.53	407	2405	74	41160		24 46/5		*****	
02.54	401	2535	-	1/2/	The state of the s	25 hh/5			
-	4.55	2366	40-	423		2 BPM		TSI	P- 1893
	44	2 2 0 10		1130	17	17.		1	1121

20 561 10:56 413 2399 443 10- 937 2364 4/13 25 hh/s 10:57 BPM 417 2477 10:58 4.51 8.5 Ave PST - 2146 85 .59 421 2446 461 10 13/16 471 2484 20 Max 25%. 2853 11:00 474 12615 25 Ave fale - 4,8 2461 475 8.5 11:01 4/26 66/5 2.599 421 9 9 BPM May Rate-10 11:01 421 26002 991 14/15 11:67 427 2628 50.6 66 15 70 11:09 4117 9 6415 4413 2617 9.5 1145 BPM 11:05 2 234 517 527 10 1/15 2745 da 9. 11:06 41160 2774 20 Instant Shut Down Pressure 9.5 455 532 11:06 Pressures \_\_\_\_\_\_Minutes After ISDP \_\_\_\_\_\_Maximum Pressures and Avg. Injection Rate 11:07 455 537 2743 458 2896 510 10 / Addingson Pressures 2 Organizate And \_\_\_ 11-08 461 2075 550 10 5600 10 464 Bbls. Oil - Water. 11:09 2850 565 10 25 6613 . 468 2853 11:10

#### APACHE-GERONIMO-28-STATE-2---8-27-13



#### Apache Corp. Current

GROUP:

Permian North

FIELD:

Artesia

LEASE/UNIT:

Geronimo 28 State SWD

COUNTY:

Eddy

API NUMBER:

30-015-40876

Spud: 3/28/13

Rig Release: 4/18/13

DATE:

Sep. 04, 2013

BY:

HJG #2

WELL:

STATE: **New Mexico** 

KB = 3709'

GL = 3685'



13-3/8" 48# H-40 Set @ 488' CMT W/ 950 SX (CIRC/SURF)

9-5/8" 40# J-55 Set @ 4,499' CMT W/ 1570 SX (CIRC/SURF)

7" 26# HCL-80 Set @ 9,500' CMT W/ 1240 SX; TOC @ 750'

17-1/2" 12-1/4" 8-3/4" 

DVT @ 6,720'

Wolfcamp/Cisco (8/8/13) 7,434-9,150' (1 SPF; 131 holes)

TD = 9,500'PBTD = 9,430'