District 1

1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720

District 11

District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410

Phone: (505) 334-6178 Fax: (505) 334-6170

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico

Form C-101 Revised July 18, 2013

Energy Minerals and Natural Resources OBBSOCD

Oil Conservation Division

1220 South St. Francis Dr.

JAN 2 2 2015

☐AMENDED REPORT

nta Fe, NM 87505	RECENE

Phone: (505) 47	6-3460 Fax: (50	5) 476-3462			Santa	1, 6, 14141	67303		RECE	MED	
APPL	ICATIO	ON FOR			RE-ENT	ΓER, DI	EEPEN	, PLI	JGBAC		DD A ZONE
			¹ Operator Name	and Address				+		OGRID N 873	
Apache Corporation: 303 Veterans Airpark Lane, Suite 1000 Midlar				00 Midland	nd, TX 79705			30-025-41268 **API Number			
302328 * Prop	erty Code		Bertha J Barbe	er	Property Na	me		100	-020-412	019	o. Well No.
					urface Loc	ation					
UL - Lot D	Section 8	Township 20S	Range 37E	Lot Idn	Feet from 820	n N	I/S Line	Fe 415	et From	E/W Line	County
				8 Propos	ed Bottom	Hole Loc	ation				
UL - Lot	Section	Township	Range	Lot Idn	Feet from	n N	N/S Line Feet From		E/W Line	e County	
				9. Pc	ool Inform	ation					•
Eum (Wildcat; Ya	シッナ ates-Seve	n Rivers -	Gueen	Pool	Name						Pool Code +97902 22800
				Addition	ıal Well In:	formation	1				
RC	ork Type	0	^{12.} Well Type		13. Cable/Rota				Туре	15. Ground Level Elevation 3557'	
No 16. Multiple 17. Proposed Depth 3950'			Yates	Yates/Seven Rivers			^{19.} Contractor		2/2015	^{20.} Spud Date	
Depth to Gro	ound water		Dista	nce from nearest	fresh water we	ell			Distance	to nearest sur	face water
✓ We will b	oe using a	closed-loop	system in lieu of	f lined pits				1.			
	J			Proposed Ca	sing and C	Cement Pr	ogram				
Туре	Hol	e Size	Casing Size	Casing We			g Depth		Sacks of	Cement	Estimated TOC
Surf	1	11"	8.625"	24#			080'		470 sx C		Surface
Prod	7-	7/8"	5-1/2"	17#	ŧ	39	3950' 1050		1050	sx C	80'
		. 1									
Anachans	onaca ta	ro ontor 9	Casin complete in Ya	g/Cement Pr					roubura	io TA'd	
Apache pri	oposes to	re-enter 8	· · · · · · · · · · · · · · · · · · ·					dure. C	arayburg	IS TAU.	
				Proposed Blo		vention Pi				1	
Туре		- V	Working Pressure		Test Pressu		essure	sure		Manufacturer	
			<u>. </u>							<u> </u>	
^{23.} I hereby o	ertify that the	he information	on given above is t	rue and complete	e to the				CERTA	71.03.1.5.11	
best of my k	nowledge ar	nd belief.	ed with 19.15.14.9		l and/or	4 10		_ CON	SERVA	TION DIV	/ISION
19.15.14.9 (Signature:	B) MAC	, if applic	able.			Approved B	y:		- Herri		
Printed name	پاکستار) e: Reesa F	Fisher				Title: Pe	troleu	n En	rinoc	7	
Title: Sr St						Approved D		1/2-4	∽ / .	Expiration Date	e: 01/28/10
			apachecorp.cor	n		11		100	117	,	-11-010/
Date: 1/19/2			Phone: (432)			Conditions of	of Approva	ıl Attache	d		
				-	<u>(</u>						

JAN 2 9 2015



Bertha J Barber #19

API: 30-025-41268 Eunice Monument Field Lea, New Mexico

AFE Number: 11-14-4431

KB: 3568' GL: 3557' (KB 11' above GL) 8-5/8" 24 lb/ft J-55 casing set @ 1080' 5-1/2" 17 lb/ft L-80 casing set @ 3950' TD: 3950' PBTD: 3907' (FC)

Marker Joint: 3242'

COMPLETION PROCEDURE

Casing: 5-1/2", 17lb/ft, L-80

ID: 4.892" Drift= 4.767"

Capacity= 0.02324 BBL/ft Burst= 7741 psi; 80%= 6193 psi

Anticipate one day for stimulations. Prepare wireline, water, service co., and other associated contractors to be present during job.

- 1. Prep location. Spot the necessary 500 BBL water tanks, BOP, well head, and frac valve onto location. Set a flow back tank before stimulation. Have Service Co test water for quality.
- 2. MIRU PU. RU BOP. ND WH and change to 5000 psi frac WH. Load and pressure test casing to 6,000 psi for 5 min.

3. MIRU WL. RU perforating guns. NU lubricator. TIH w/ 4" casing guns (or available equivalent) and perforate Yates/Seven Rivers as per below table:

			<u>JSPF</u> (90°	
Perf Interval		<u>Ft</u>	phasing)	<u> Holes</u>
2,346	2,346	1	1	1
2,348	2,348	1	1	1
2,358	2,358	1	1	1
2,360	2,360	1	1	1
2,462	2,462	1	1	1
2,464	2,464	1	1	1
2,472	2,472	1	1	1
2,475	2,475	1	1	1
2,556	2,556	1	1	1
2,558	2,558	1	1	1
2,573	2,573	1	1	1
2,578	2,578	1	1	1
2,616	2,616	1	1	1
2,620	2,620	1	1	1
2,634	2,634	1	1	1
2,638	2,638	1	1	1

Total Perfs = 32 holes / 32 ft Net (558 ft Gross)

l delow ta			JSPF (000	
Perf Interval		<u>Ft</u>	(90° phasing)	Holes
2,722	2,722	1	1	1
2,728	2,728	1	1	1
2,742	2,742	1	1	1
2,744	2,744	1	1	1
2,752	2,752	1	1	1
2,754	2,754	1	1	1
2,812	2,812	1	1	1
2,818	2,818	1	1	1
2,830	2,830	1	1	1
2,836	2,836	1	1	1
2,851	2,851	1	1	1
2,868	2,868	1	1	1
2,874	2,874	1	1	1
2,888	2,888	1	1	1
2,894	2,894	1	1	1
2,904	2,904	1	1	1

Correlate to Capitan Compensated Neutron Gamma Ray Log dated 01/30/2014. TOH w/perforators, RDMO WL.

- 4. TIH w/ PKR assembly. TOH and set PKR above perfs @ $\pm 2,340$ '. Test backside to 500 psi.
- 5. MIRU acid services. Acidize Yates/Seven Rivers (2346'-2904') down the tubing w/ 4,000 gallons 15% HCL, dropping 45 ball sealers to divert, evenly spaced throughout the job. Do not exceed 4,000 psi. Displace to bottom perf w/ flush. Release PKR and knock off balls. TOH, SI well for 4 hrs.
- 6. NU lubricator. Begin swabbing runs and check for fluid entry. Send results to Aaron Clements in Midland. SDFN.
- 7. MIRU service company and frac well as per attached procedure from Basic.
- 8. RDMO Service Company.
- 9. SI well overnight.
- 10. RU NU with lubricator and swab well. Send results to Aaron Clements in Midland office.
- 11. Run production tubing as per the Monument office specifications.
- 12. RDMOPU. Place well into test through rented portable flare unit and monitor gas stream until sales quality is reached.
- 13. Run well to production equipment and place into sales. Have chemical rep test fluids and put well on the appropriate chemical maintenance program.

AC - 1/21/2015 Page 2