District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

.

State of New Mexico Energy, Minerals & Natural Resources

Form C-104 Revised August 1, 2011

Submit one copy to appropriate District Office

AMENDED REPORT

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

	I.	R	EQUI	EST FC	R ALL	OWABLE	AND AUT	HO	RIZATION	TOT	RANS	SPORT			
¹ Operator name and Address									² OGRID Number						
Apache Corporation										873					
303 Veterans Airpark Lane Suite 3000 Midland TX 79705										³ Reason for Filing Code/ Effective Date NW / 12/16/2014					
⁴ API Numbe	er		⁵ Pool	Name						6 Po	ol Code	•			
30-015	-40918	в			Ce	edar Lake; Gl	orieta-Yeso					96831			
⁷ Property C 393			⁸ Prop	erty Nan	ıe	Raven Fe	doral		•	9 W	⁹ Well Number 021H				
						Navenire	uerai					02111			
		<u>ocatio</u>													
Ut or lot no.	Section	1	nship	Range	Lot Idn			Line	Feet from the	East/West			inty		
Р	07		7S	31E		330	South		180	L	East Eddy		ay		
¹¹ Bo	ttom H	Hole L	ocatio	n											
UL or lot no.	Sectio	n Tow	nship	Range	Lot Idn	Feet from the	North/South	line	Feet from the	East/West I		East/West line Cou			
М	07	1	7S _	31E	4	346	South		332 ⁻	West		West		Ed	ldy
¹² .Lse Code	¹³ Proc	ducing M	ethod -		nnection	¹⁵ C-129 Pern	nit Number	· ¹⁶ (C-129 Effective l	Date	¹⁷ C	-129 Expiration	on Date		
F		Code P		12/16	/2014										
III. Oil a	nd Ga	s Tran	sport	ers											
¹⁸ Transpor	ter					¹⁹ Transpor	ter Name					²⁰ O/G/	w.		
OGRID						and Ad	dress								
221115				d Servic								G			
					ve Suite	700					1	a san na san Na san na san	LAND CARL		
1.80	S. A. A.	Tulsa (<u>OK 74</u>	<u> 135 </u>				~~/ A	TION		يلا من	the care set of the	San Stranger		

2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	raida dit i ilido		
252293	Holly Energy Pipeline 311 W Quay / PO Box 1360	NM OIL CONSERVATION	O
	Artesia NM 88210	APR 27 2015	
		RECEIVED	

IV. Well Completion Data

²¹ Spud Date 08/26/2014					²⁵ Perforations 5408'-8981'		²⁶ DHC, MC		
²⁷ Hole Siz	e	²⁸ Casing	& Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement			
17-1/2"		1:	3-3/8"	402'		470 sx Class C			
12-1/4"		g	9-5/8''	3510'		1350 sx Class C			
8-3/4''		5-1/2" /	7" (tapered)	9086'		600 sx Poz / H			
Tubing		2	-7/8''	4618'					

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure			
12/16/2014	12/16/2014	04/09/2015	24					
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method			
	601	2295	1107		Р			
⁴² I hereby certify that	at the rules of the Oil Conser	vation Division have	OIL CO	ONSERVATION DIVIS	SION			
	and that the information give							
Signature:	of my knowledge and belief		Approved by:					
Printed name: Fatima Vasquez			Title: DIST PSIDEWISN					
Title: Regulatory Analyst	II		Approval Date: 5-1-1	5				
E-mail Address: Fatima.Vasquez@a	pachecorp.com							
Date: 04/22/2015	Phone: (432) 818-10	15	Pending BLM approvals will subsequently be reviewed					
			subsequenti	y de reviewed				

and scanned (2)

Form 3160-5 August 2007) E	UNITED STATE: EPARTMENT OF THE I SUREAU OF LAND MANA	NTERIOR	OMB	1 APPROVED NO. 1004-0135 s: July 31, 2010			
Do not use th	NOTICES AND REPO	drill or to re-enter an	NMLC0294354				
abandoned we	6. If Indian, Allottee	or Tribe Name					
SUBMIT IN TR	IPLICATE - Other instruc	ctions on reverse side.	7. If Unit or CA/Agr	eement, Name and/or No.			
I. Type of Well ☐ Gas Well ☐ O	her		8. Well Name and No RAVEN FEDER				
2. Name of Operator APACHE CORPORATION		FATIMA VASQUEZ quez@apachecorp.com	9. API Well No. 30-015-40918				
3a. Address 303 VETERANS AIRPARK L MIDLAND, TX 79705	N	e) 10. Field and Pool, o CEDAR LAKE	r Exploratory ; GLORIETA-YESO				
4. Location of Well <i>(Footage, Sec.,</i>	T., R., M., or Survey Description)	11. County or Parish	, and State			
Sec 7 T17S R31E SESE 330 32.842674 N Lat, 103.90118			EDDY COUNT	Ύ, NM			
12. CHECK APP	ROPRIATE BOX(ES) TO	D INDICATE NATURE OF	NOTICE, REPORT, OR OTHE	ER DATA			
TYPE OF SUBMISSION		ТҮРЕ (DF ACTION				
□ Notice of Intent	☐ Acidize ☐ Alter Casing	 Deepen Fracture Treat 	 Production (Start/Resume) Reclamation 	 Water Shut-Off Well Integrity 			
Subsequent Report	Casing Repair	□ New Construction	□ Recomplete	Other Production Start-up			
Final Abandonment Notice	Change Plans	Plug and Abandon Plug Back	Temporarily Abandon Water Disposal	i foddollon otart u			
determined that the site is ready for Apache completed this well a 10/07/2014 Run logs, TOC (10/13/2014 Tag DV Tool @ 10/14/2014 RIH w/ mill, mill 10/15/2014 Finish mill debris 11/21/2014 Frac Paddock us Stage 1 - Frac 8977'-8981' w Stage 2 - Frac 8749'-8753' w Stage 3 - Frac 8190'-8194' w Stage 5 - Frac 7909'-7913' w	final inspection.) s follows: 3 surface (CBL). 4348'. DO on DV tool. Cird debris sub. sub. sub. 109 bbls 15% HCI & 180 / 109 bbls 15% HCI & 180 / 109 bbls 15% HCI & 180 / 109 bbls 15% HCI & 180	c clean @ 4351'. leeve System. 334# sand (100 Mesh & 40/ 667# sand (100 Mesh & 40/ 282# sand (100 Mesh & 40/ 359# sand (100 Mesh & 40/	70). 70). 70).	, operator nus			
14. I hereby certify that the foregoing	Electronic Submission #	299117 verified by the BLM W E CORPORATION, sent to the	e Carlsbad				
Name (Printed/Typed) FATIMA	VASQUEZ	Title REGU	ILATORY ANALYST II				
Signature (Electronic	Submission)	Date 04/22/	2015	.11			
· · · · · · · · · · · · · · · · · · ·	THIS SPACE FO	OR FEDERAL OR STATE	OFF appro	ovals will			
Approved By		Title	OFF pending BLM appro	enieme			
	ed. Approval of this notice does		subseque	vending BLM approvals was subsequently be reviewed and scanned			
ertify that the applicant holds legal or ec which would entitle the applicant to conc			and so-				

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

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Additional data for EC transaction #299117 that would not fit on the form

32. Additional remarks, continued

Stage 6 - Frac 7624'-7628' w/ 109.2 bbls 15% HCI & 179,963# sand (100 Mesh & 40/70). 11/22/2014 Stage 7 - Frac 7353'-7357' w/ 109.2 bbls 15% HCI & 180,080# sand (100 Mesh & 40/70). Stage 8 - Frac 7072'-7076' w/ 91 bbls 15% HCI & 181,412# sand (100 Mesh & 40/70). Stage 9 - Frac 6796'-6800' w/ 108.7 bbls 15% HCI & 178,259# sand (100 Mesh & 40/70). Stage 10 - Frac 6520'-6524' w/ 108.7 bbls 15% HCI & 175,180# sand (100 Mesh & 40/70). Stage 11 - Frac 6240'-6244' w/ 108 bbls 15% HCI & 178,899# sand (100 Mesh & 40/70). Stage 12 - Frac 5968'-5972' w/ 104.6 bbls 15% HCI & 179,980# sand (100 Mesh & 40/70). Stage 13 - Frac 5687'-5691' w/ 109 bbls 15% HCI & 179,980# sand (100 Mesh & 40/70). Stage 14 - Frac 5408'-5412' w/ 109 bbls 15% HCI & 176,397# sand (100 Mesh & 40/70). Stage 14 - Frac 5408'-5412' w/ 109 bbls 15% HCI & 176,397# sand (100 Mesh & 40/70). 11/22/2014 RIH w/ mill. 11/25/2014 DO frac ports #1-#8. Lost pressure & circ. 11/26/2014 DO frac port #9. Lost circ, unable to regain circ. 12/01/2014 Stage in, unload well. Unable to break circ. POH. Frac ports #10-#13 still intact. PBTD @ 7909'. 12/14 PIH w/ 2 7/8" prod the Submersible @4142'. Decender @ 4203'. FTD @ 4618'. PDMOSU

12/15/2014 RIH w/ 2-7/8" prod tbg. Submersible @4142'. Desander @ 4293'. ETD @ 4618'. RDMOSU. Clean loc.

12/16/2014 POP.

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NM OIL CONSERVATION

ARTESIA DISTRICT

, Form 3160-4					ED STA				APR	272	015				PROVED
(August 2007)			DEPAR BUREAU						DE		: m				004-0137 y 31, 2010
	WELL	COMPL	ETION C	RRE	сомр	LETIC	N RE	PORT		CEIVE .og	.0		ease Serial		
la. Type of	Well 🛛	Oil Well	🗖 Gas V	Vell	Dry	0	ther								r Tribe Name
b. Type of	Completion	_		🛛 Woi	k Over	🗖 Ďe	epen	🗖 Plug	g Back	🗖 Diff.	Resvr.	7 Ü	nit or CA A	vereem	ent Name and No.
2. Name of (Inorator	Othe	er		Cor	toot: E/		VASQUE	7				ease Name		
APACHE	E'CORPOR				atima.vas		apache	ecorp.co	n			F	RAVEN FE	DERA	
3. Address	303 VETE MIDLAND		IRPARK LN 705					Phone No 432-818		e area cod	e)	9. A	PI Well No) .	30-015-40918
 Location of At surface 	Sec 7	T17S R3	ion clearly an 1E Mer 180FEL 32.				•)*			0	EDAR LA	KÉ; G	Exploratory LORIETA-YESO Block and Survey
At top pro	od interval i											0	r Area Se	c 7 T1	7S R31E Mer
At total d	epth SW		R31E Mer 4 346FSL 33	2FWL								E	County or F EDDY		13. State NM
14. Date Spi 08/26/20				ite T.D. /08/201				🗖 D &	Complet A 🛛 🔀 5/2014	ed Ready to	Prod.	17. 1	Elevations (37	(DF, KI 16 GL	B, RT, GL)*
18. Total De	pth:	MD TVD	9121 4774		19. Plug	Back T	.D.:	MD TVD	79	09	20. De	epth Bri	dge Plug So		MD TVD
21. Type Ele CNGR/S	ectric & Oth BGR/(2)M	er Mecha WD GAN	nical Logs Ri IMA-ROP 5	un (Subi	nit copy o	of each)				Was	s well core s DST run ectional St	?	🖾 No	Yes	s (Submit analysis) s (Submit analysis) s (Submit analysis)
23. Casing and	Liner Reco	ord (Repo	ort all strings		<u> </u>			<u> </u>	N	601 0			1		
Hole Size	Size/G	rade	Wt. (#/ft.)	To (MI		ottom MD)	l v	Cementer epth		of Sks. & of Cement		y Vol. BL)	Cement	Top*	Amount Pulled
17.500		75 H-40	48.0			402				47				0	
<u>12.250</u> 8.750		625 J-55 000 L-80	<u>32.0</u> 29.0			3510 9086	1			135			0		
8.750	5.5	500 L-80	20.0			9086				60	0			0	
24. Tubing F	Record			1		r									L
Size E 2.875	Depth Set (N	1D) P 4618	acker Depth (MD)	Size	Dept	h Set (N	1D) P	acker De	pth (MD)	Size	De	epth Set (M	D)	Packer Depth (MD)
25. Producing				!		26.	Perfora	tion Reco	ord					l	
	mation		Тор	4050	Bottom	44	P	erforated		0 0001	Size	1	No. Holes		Perf. Status
<u>A)</u> B)	PADD		 .	4653	51	41			5408 1	O 8981	· · · · · ·			PRO	DUCING
C)															
D) 27. Acid, Fra	cture, Treat	ment, Cei	nent Squeeze	, Etc.											· · · · · · · · · · · · · · · · · · ·
	epth Interva	al						A	nount and	d Type of	Material				
	54	08 TO 8	981 1502 BB	LS ACI	0 & 2,507,	928# SA	ND				_				
28. Productio	n - Interval	A													
Date First 7	ſest	Hours		Oil	Gas		Vater	Oil Gr		Gas		Product	ion Method		
	Date 04/09/2015	Tested 24	Production	BBL 601.(MCF	07.0	3BL 2295.0	Corr. /	арі 37.0	Grav	ıty	1	ELECTRIC	PUMP	SUB-SURFACE
Size I	fbg. Press. Hwg. Sl	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF		Vater BBL	Gas:O Ratio	il 1842	Well	Status POW				
28a. Producti				·		i									
Produced [Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	E	Vater BBL	Oil Gr Corr. /	API	Pe	nding F	3LM a	approva be revie	ls wil wed	II
Size F	lbg. Press. Twg. Sl	Csg. Press.		Oil BBL	Gas MCF		Vater BL	Gas:O Ratio	il	su ar	id scan	ned	be revie		

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(See Instructions and spaces for additional data on reverse side) ELECTRONIC SUBMISSION #299123 VERIFIED BY THE BLM WELL INFORMATION SYSTEM ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

28b. Produ	ction - Interva	ıl C	······									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API		as ravity	Production Method		
Choke Size	Tbg. Press. Flwg. Sl	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	W	/ell Status	4		
28c. Produ	iction - Interva	l D										
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API		as ravity	Production Method		
Choke Size	Tbg. Press. Flwg. Sl	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	W	/ell Status			
29. Dispos SOLD	ition of Gas <i>(S</i>	old. used	for fuel, vent	ed, etc.)								
Show a tests, in	ary of Porous . all important z ncluding depth coveries.	ones of p	orosity and co	ontents there			all drill-stem shut-in pressure	es .	31. For	mation (Log) Marki	ers	
	Formation		Тор	Bottom		Descriptio	ns, Contents, et	ic.		Name		Top Meas. Depth
RUSTLER YATES SEVEN RI QUEEN SAN ANDF GLORIETA PADDOCK BLINEBRY	VERS RES A	include n	262 1507 1786 2403 2792 4595 4653 5141	497 1786 2403 2792 4595 4653 5141	SAN SS/ SS/ CAF SAN DOI	NDSTONE/ CARBONA CARBONA RBONATE NDSTONE LOMITE - (ANHYDRITE - ANHYDRITE - TE - OIL,GAS TE - OIL,GAS & 1 - OIL, GAS & 1 OIL, GAS & W/ OIL, GAS & W/	- N/A & WAT & WATER WATER WATER ATER	ER SEV ER QU SAI GLO PAI	STLER TES VEN RIVERS EEN N ANDRES ORIETA DOOCK NEBRY		262 1507 1786 2403 2792 4595 4653 5141
Attach	iments - Frac	Disclos	ure, OCD Fo	orms C-102	& C-104. I	Logs maile	d 04/14/2015.					
Contir Tansil Bottor		ry of Por 1329' 29'-1507'	ous Zones: Sait - N/A Sait - N/A	Ą	th of Blinet	ory.						
I. Ele	enclosed attac ctrical/Mechar adry Notice for	nical Log	•	. ,		Report Ilysis		 DST Rep Other: 	port	4. Direction	al Survey	
34. I hereb	by certify that the second s	he forego	+	onic Submi	ission #2991	123 Verified	rect as determir by the BLM V FION, sent to t	Well Info	ormation Sys	records (see attach stem.	ed instruction	ns):
Name	(please print)	FATIMA	VASQUEZ				Title [REGULA	ATORY AN	ALYST II		
Signati	ure	(Electror	nic Submissi	on)			Date (04/22/20	015			
Title 18 U	.S.C. Section I ted.States any	001 and false, fict	Title 43 U.S. titious or frad	C. Section 1 ulent statem	212, make in ents or repre	t a crime for	any person kno s to any matter	wingly a within its	and willfully s jurisdiction	to make to any depa	artment or ag	gency

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** ORIGINAL **

Additional data for transaction #299123 that would not fit on the form

32. Additional remarks, continued

**SS-Sandstone

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