:
District 1
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III

State of New Mexico Energy, Minerals & Natural Resources

Form C-104 Revised August 1, 2011

Submit one copy to appropriate District Office

District III 1000 Rio Brazos	Rd., Azte	c, NM 8	7410			I Conservation 20 South St.			Subilit	one co	гру ко а	AMENDED REPORT		
<u>District IV</u> 1220 S. St. Franc	eis Dr., Sa					Santa Fe, N						_		
	I.			EST FO	R ALL	OWABLE	AND AUT	HO	RIZATION  2 OGRID Num		'RAN	SPORT		
Operator n Apache Corpo		Adare	SS						L OGKID Nun		873			
303 Veterans Midland TX 7	Airpark 9705								<sup>3</sup> Reason for F NW					
<sup>4</sup> API Numbe 30-015			<sup>5</sup> Pool	Name	F	REN; GLORI	ETA-YESO				<sup>6</sup> Pool Code <26770>			
<sup>7</sup> Property C 308	711			erty Nan	1e	CROW FE	DERAL			9 W	<sup>9</sup> Well Number 25H			
	face L					T	1			-				
Ul or lot no.	Section 10	. 17	7S	Range 31E	Lot Idn	Feet from the 1680	North/South FNL	Line	Feet from the 330		West li	ne County EDDY		
	ttom H					TE-46-41-	N 41- /C 41	li	E4 Course Also	E act/	West E	Country		
UL or lot no. E	Section 10		nship 7S	Range 31E	Lot Idn	1689	FNL	line	Feet from the 339		West lii FWL	ne County EDDY		
12 Lse Code	13 Prod	ucing Me Code	thod :		onnection ite	<sup>15</sup> C-129 Peri	nit Number	<sup>16</sup> (	C-129 Effective	Date	17 (	C-129 Expiration Date		
III. Oil a	nd Gas	Trans	sporte	ers										
18 Transpor OGRID	rter		:			<sup>19</sup> Transpor and Ad						<sup>20</sup> O/G/W		
221115				Services		_						G		
	763 33ME T	200 Ea ulsa O			Suite 70	0					707	A 25 A		
252293				Pipeline PO Box	1360 <sup>-</sup>	•					L	0		
	rtesia i			1500		A		7. 100						
William I are a secretary to the County of the Sec. (503)	NEP 23 NORTH					<u> </u>	in in	<del>O W</del>	I <mark>L CONSER</mark> ARTESIA DISTR	VATIO	ON	regulation - Large Commence and Commence of the Commence of th		
									JAN 16 20					
									RECEIVED	,	2	and the second second second		
											1			
IV. Well  21 Spud Da	ite	<sup>22</sup> F	Ready I		1	<sup>23</sup> TD	<sup>24</sup> PBTE	)	<sup>25</sup> Perforat		T	<sup>26</sup> DHC, MC		
03/16/20	ole Size	06	/11/20 T		g & Tubir	9320'	29 D.	pth Sc	5800-97	40'	30 0	acks Cement		
	-1/2"		1		3 <u>&amp; 1 ubir</u> 8" 48# ⊢			<del>քտ չ</del> ։ 25՝	et			O sx class c		
<u> </u>	11"			8-5/8	32# J-	-55		500'				0 sx Class C		
	7/8"							788'				0 sx Class C		
			5-1/2" 17# L-80					_						
<u> </u>	ibing			2-	7/8 J-55 	<u> </u>	44	127'						
V. Well 7  31 Date New			Dalina	ry Date	33 7	Γest Date	<sup>34</sup> Test	Lanat	L 35 TL	- D		36 Car. Daniel		
07/02/201	i		/24/20	•		24/2014	24		n   10	g. Pres	sure	<sup>36</sup> Csg. Pressure		
37 Choke Si	ize		<sup>38</sup> Oil 627			Water 1363	<sup>40</sup> (					41 Test Method		
<sup>42</sup> I hereby cert	ifundat i	ba rulac		Oil Conse			•		OIL CONSERV	/ A TION	1 1513/16			
been complied	with and	that the	e inforr	nation giv	en above	is true and			OIL CONSERV	AHO	N DI VIS	SION .		
complete to the Signature.	e bestlof	my kno <sup>,</sup>	Wedge	and/belie	f.		Approved by:		en	. /				
<u> </u>	<u>'h</u>			KLX	7				NO	iele	1			
Printed name: Emily Follis	)					ľ	Title:	Dis	- H Sus	Usu	~			
Title: Reg Analyst	<u> </u>				_	1	Approval Date	×_1/	1-71-15	<u> </u>				
E-mail Address emily.follis@a		rp com							<u> </u>			`		
Date:	P4011600	, p. 00111	Pho				1							
12/17/2014			432	2-818-180	1				ing BLM app					
									equently be r		/ed			

Form 3160-5 (August 2007)

\_Approved By

## **UNITED STATES**

FORM APPROVED OMB NO. 1004-0135 Expires: July 31, 2010 DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Lease Serial No. NMLC029426B SUNDRY NOTICES AND REPORTS ON WELLS

JOHDKI	INO LICES MAD INTLO	1110 011 111			11111200201201	
Do not use thi abandoned we	is form for proposals to II. Use form 3160-3 (AP	-enter an proposals.		6. If Indian, Allottee o	r Tribe Name	
SUBMIT IN TRI	PLICATE - Other instruc	ctions on rev	erse side.		7. If Unit or CA/Agree	ement, Name and/or No.
Type of Well	her				8. Well Name and No. CROW FEDERAL	. 25H
Name of Operator     APACHE CORPORATION	Contact: E-Mail: EMILY.FO	EMILY FOLL LLIS@APACH		Л	9. API Well No. 30-015-41944	
3a. Address 303 VETERANS AIRPARK LA MIDLAND, TX 79705	ANE SUITE 1000	3b. Phone No Ph: 432-81		ı code)	10. Field and Pool, or FREN:GLORIE	Exploratory FA-YESO<26770>
4. Location of Well (Footage, Sec., 7	., R., M., or Survey Description	1)			11. County or Parish,	and State
Sec 10 T17S R31E SENE 168	80FNL 330FEL				EDDY COUNTY	COUNTY, NM
12. CHECK APPI	ROPRIATE BOX(ES) TO	O INDICATE	ENATURE	OF NOTICE, F	REPORT, OR OTHE	R DATA
TYPE OF SUBMISSION	·		TY	PE OF ACTION		
☐ Notice of Intent	□ Acidize	☐ Dee	pen	□ Produc	ction (Start/Resume)	■ Water Shut-Off
_	☐ Alter Casing	☐ Frac	cture Treat	□ Reclar	nation	■ Well Integrity
Subsequent Report     Subsequent Re	□ Casing Repair	■ Nev	v Constructio	on 🔲 Recon	nplete	Other
☐ Final Abandonment Notice	□ Change Plans	Plug	g and Aband	on 🗖 Tempo	orarily Abandon	Production Start-up
	☐ Convert to Injection	Plug	g Back	■ Water	Disposal	
Attach the Bond under which the worfollowing completion of the involved testing has been completed. Final At determined that the site is ready for f  SEE ATTACHED FOR THE S  14. I hereby certify that the foregoing is	I operations. If the operation repandonment Notices shall be fil inal inspection.) SUNDRY 3160-5 CROW F	sults in a multipled only after all	le completion requirements,	or recompletion in a including reclamati	a new interval, a Form 316 on, have been completed,	0-4 shall be filed once
	Electronic Submission # For APACH	285737 verifie E CORPORAT	d by the BLi ION, sent to	M Well Information the Carlsbad	on System	
Name (Printed/Typed) EMILY FC	DLLIS		Title RE	GULATORY A	NALYST I	
Signature (Electronic S	Submission)		Date 12	/18/2014		
	THIS SPACE FO	OR FEDERA	L OR STA		lii.	
Approved By  Conditions of approval, if any, are attached the applicant holds legal or equivalent would entitle the applicant to conduct the applicant the applicant to conduct the applicant the a	uitable title to those rights in the		Title Office	Pending BLM	approvals will approvals will approvals will approvals will be reviewed approved app	Date
				$==c\eta_{D_{\lambda_{-}}}$ $\sim \nu_{U_{i}}$	·	

=subsequently be reviewed Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and scanned States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. and scanned \*\*\* OPER \*\*\* in make to any department or agency of the United

## **CROW FEDERAL 25H - SUNDRY 3160-5**

04/16/2014 LOG WELL - CBL-GR-CCL-CNL

04/17/2014 PREP TO FRAC AT LATER DATE

**05/06/2014** MIRU WL & PUMPCO, RIH SET CBP & FRAC STAGES 1 THRU 3. STAGE 1. PERF FROM 9522'-9524', 9594'-9596'. 9666' - 9668', 9738'-9740'. @ 40 HOLES. TURN OVER TO PUMPCO

PUMPCO SERVICES TO FRAC RAN ,4837.3 BBL SLICKWATER, 70250 LBS 100 MESH SAND,TOTAL PROP = 180000 LBS, STAGE 2. PERF FROM 9242'-9244', 9314'-9316'.,9386' - 9388', 9458'-9460'. @ 40 HOLES. TURN OVER TO PUMPCO 5189 BBL SLICKWATER,TOTAL PROP = 182720 LBS, STAGE 3. SET CBP @ 9222'. PUH PERF FROM 9178' - 9180'. 9106'-9108'. 9034'-9036'. 8962'-8964'. @ 40 HOLES. POH RUNNING CCL LOG.TURN OVER TO PUMPCO 4947 BBL SLICKWATER,TOTAL PROP = 181710 LBS,

05/07/2014 MOVE FRAC OPS TO CROW 26H. AFTER FINDING OBSTRUCTION AND STICKING WL ( HAD TO SET CBP AT 5687') WILL HAVE TO DRILL OUT CBP TO CONTINUE FRAC ON THIS WELL. SET CBP AND PERF THEN FRAC STAGES 4 THRU 8 STAGE 4. PERF FROM 8898' - 8900'. 8826'-8828'. 8754'-8756'. 8682'-8684'. @ 40 HOLES. TURN OVER TO PUMPCO 4479 BBL SLICKWATER, , 69530 LBS TOTAL PROP = 178330 LBS STAGE 5. PERF FROM 8618' - 8620'. 8546' -

8548'. 8474' - 8476'. 8402' - 8404'. @ 40 HOLES. TURN OVER TO PUMPCO 4667 BBL SLICKWATER, ,

TOTAL PROP = 181200 LBS, STAGE 6. PERF FROM 8338' - 8340'. 8266' -8268'. 8194' - 8196'. 8122' - 8124'. @ 5 JSPF, 2 FT, 60 DEG PHASING, 40 HOLES. TURN OVER TO PUMPCO STAGE 6: 4488 BBL SLICKWATER, TOTAL PROP = 179200 LBS, AVG STAGE 7. PERF FROM 8058' - 8056'. 7986' -7984'. 7914' - 7912'. 7842' - 7840'. 40 HOLES. 4630 BBL SLICKWATER TOTAL PROP = 184090 LBS, STAGE 8 PERF FROM 7778' - 7780'. 7706' -7708'. 7634' - 7636'. 7562' - 7564'. @ 40 HOLES. 4527 BBL SLICKWATER, TOTAL PROP = 180380 LBS STAGE #9

05/08/2014 START PMP DOWN OF STAGE #9 PERF TOOLS AND CBP. RAN INTO OBSTRUCTION AT 5687' AT MIDNIGHT. WL PERF TOOLS STUCK AT 5687 SET CBP AT 5687'. TOOLS STILL STUCK AFTER CBP SET.

05/14/2014 RIH W/ BIT

05/15/2014 POH & RDMO

05/16/2014 PREP TO FRAC REMAINING STAGES AT LATER DATE

05/19/2014 PERFORATE & FRAC STAGES #9 THRU #12 ,STAGE 9 PERF FROM 7498' - 7500'. 7426' -

7428'. 7356'. 7282' - 7284. @ 40 HOLES. 4714 BBL SLICKWATER, TOTAL PROP = 178990 LBS. STAGE 10 PERF FROM 7218' - 7220'. 7146' -7148'. 7074' - 7076'. 7002' - 7004. @ 40 HOLES. STAGE 10 - PUMPCO SERVICES TO FRAC 4754 BBL SLICKWATER, TOTAL PROP = 177920 LBS, STAGE 11 PERF FROM 6938' - 6940'. 6866' -6868'. 6794' - 6796'. 6722' - 6724'. @ 40 HOLES. 4652 BBL SLICKWATER, TOTAL PROP = 176250 LBS, STAGE 12 PERF FROM 6658' - 6660'. 6586' -6588'. 6514' - 6516'. 6442' - 6444'. @ 40 HOLES. 4639 BBL SLICKWATER, TOTAL PROP = 174940 LBS.

05/20/2014 STAGE 13 PERF FROM 6378' - 6380'.

6306' - 6308'. 6234' - 6236'. 6162' - 6164'. @ 40 HOLES. PUMPCO 4652 BBL SLICKWATER, TOTAL PROP = 177300 LBS, STAGE 14 PERF FROM 6098' - 6100'. 6026' - 6028'. 5954' - 5956'. 5800' - 5802'. @ 40 HOLES PUMPCO. 4540 BBL SLICKWATER, TOTAL PROP = 179480 LBS

**05/27/2014** STAGE 14 PERF FROM 6098' - 6100'. 6026' -6028'. 5954' - 5956'. 5800' - 5802'. @ 40 HOLES PUMPCO. 4540 BBL SLICKWATER, TOTAL PROP = 179480 LBS

05/27/2014 DRLG PLUGS # 7 THRU #13.

05/28/2014 DRLG PLUGS #7 - #13. CIRCULATE HOLE CLEAN. BEGIN TOOH LAYING DOWN WORK STRING

05/29/2014 FINISH TOOH THEN RIG DOWN

06/03/2014 MIRUSU & SCHLUMBERGER REDA CABLE & CT 150 JTS 2 7/8" NEW J55 & 10 JTS 2 3/8" NEW J-55 TBG. NU BOP & ANNULAR. MIRU SCHLUMBERGER. PU & RIH 2 3/8" BP, 10 JTS 2 3/8" TBG, DESANDER, SUBMERSIBLE, REDA CABLE & CT, 136 JTS 2 7/8" TBG. LAND HANGER. ND BOP. SECURE HANGER. RD SCHLUMBERGER.RDMOSU. SI. SDFN. PREP TO INSTALL DRIVES & ELECTRIC @ LATER DATE. 150 JTS 2 7/8" NEW J55 & 10 JTS 2 3/8" NEW J55 TBG. NU BOP & ANNULAR. MIRU SCHLUMBERGER. PU & RIH 2 3/8" BP, 10 JTS 2 3/8" TBG, DESANDER, SUBMERSIBLE, REDA CABLE & CT, 136 JTS 2 7/8" TBG. LAND HANGER. ND BOP. SECURE HANGER. RDSCHLUMBERGER.RDMOSU. SI. SDFN. PREP TO INSTALL DRIVES & ELECTRIC @ LATER DATE. 06/10/2014 INSTALL DRIVE & ELECTRIC START PROD TO BATTERY FINAL REPORT

Form 3160-4 (August 2007)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0137 Expires: July 31, 2010

	WELL	COMPL	ETION C	R REC	OMPLI	ETION I	REPO	RT	AND L	OG			ease Serial No. IMLC029426B		
la. Type o	f Well	Oil Well	Gas	Well [	Dry	Other						6. If	Indian, Allottee	or Tribe Name	
b. Type o	f Completior	n 🔀 N Othe	lew Well er	☐ Work	Over	□ Deeper		Plug	g Back	☐ Diff.	Resvr.	7. U	nit or CA Agreer	nent Name and No.	
Name of Operator											<del></del>	8. Lease Name and Well No.			
APACI 3. Address			IRPARK LA						o. (include	area cod	(e)		ROW FEDERA	AL 25H	
	MIDLAND	D, TX 79	705			F	Ph: 432	2-818	3-1801	area coc	<del> </del>			30-015-41944	
4. Location	n of Well (Re	port locat	ion clearly ar	nd in accor	dance wit	h Federal r	equirem	nents)	)*			10. I	ield and Pool, of REN:GLORIET	r Exploratory FA-YESO<26770>	
At top r	ice SENE prod interval		L 330FEL	JE 1677F	NI 370FI	=1						11. 5	Sec., T., R., M., or r Area Sec 10	or Block and Survey T17S R31E Mer	
		•	9FNL 399F\		142 07 07 1				,				County or Parish DDY COUNTY	13. State NM	
At total 14. Date S <sub>1</sub> 03/16/2	pudded	1444 1003	15. D	ate T.D. R 1/29/2014	eached			D &	Complete	d Ready to	Prod.		Elevations (DF, I 3940 G	KB, RT, GL)*	
18. Total D	Depth:	MD TVD	9788	1	9. Plug B	ack T.D.:	MI TV	D	932	20	20. De	pth Bri	dge Plug Set:	MD TVD	
21. Type E	lectric & Otl	ner Mecha	nical Logs R	un (Submi	t copy of	each)			302		s well core	d?	No □ Y	es (Submit analysis)	
CBL-G	R-CCL-CNL	-	J	`		,					s DST run ectional Su	?	No □ Y	es (Submit analysis) es (Submit analysis)	
23. Casing a	nd Liner Rec	ord (Repo	ort all strings	set in wel	1)										
Hole Size	Size/G	irade	Wt. (#/ft.)	Top (MD)	Bot (M		ge Ceme Depth	enter	1	f Sks. & f Cement		y Vol. 3L)	Cement Top*	Amount Pulled	
17.500	13.3	375 H-40	48.0		0	725				70	50			0	
11.000	1	625 J-55	32.0		0	3500				118				0	
7.875	5.	500 L-80	17.0		0	9787				16	10				
					+	-					+			<del>-</del>	
					+						+				
24. Tubing	Record													<u> </u>	
	Depth Set (N		acker Depth	(MD)	Size	Depth Set	(MD)	P	acker Dep	th (MD)	Size	De	pth Set (MD)	Packer Depth (MD)	
2.875	ng Intervals	4427				26. Perf	oration	Page	rd		l				
	ormation	Г	Тор		Bottom	20.1 Cm			Interval	T	Size		lo. Holes	Perf. Status	
A)	PADE	оск	109	5800	9740	)	T CITOIA	aicu	5800 TO	O 9740	Size	<del></del>		ODUCING	
B)															
C)			-								· ·				
D)				L											
	racture, Treat		nent Squeeze	e, Etc.											
	Depth Interv	ai 300 TO 91	740					Ar	nount and	Type of	Material				
		000 10 0	140		<del></del>	-				-					
											·				
	ion - Interval		In .	lou -	To	- I				- 1-					
Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	ľ	Oil Gr Corr. A		Gas Grav	ity	Producti	on Method		
06/11/2014	08/26/2014	24		587.0	481.0		32.0		36.0				ELECTRIC PL	JMPING "	
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL		Gas:Oi Ratio		Well	Status				
28a. Produc	tion - Interva	ıl B		L		<u>.</u> l	I		819		POW			lli.	
Date First	Test	Hours	Test	Oil	Gas	Water		Oil Gra		Gas			. annrov	als w'''	
roduced .	Date	Tested	Production	BBL	MCF	BBL	C	Corr. A	API	Grav	i <b>_</b>	ding !	3LM app	iewea	
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Water		Gas:Oi	1	Well	peli	sequ	BLM approve ently be revi nned		
ize	Flwg. SI	Press.	Rate	BBĽ	MCF	BBL	F	Ratio			sui an	d sca	ently be to		
											01				

200. I 10u	luction - Inter	val C			<del></del>			-			·	
Date First	Test	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas		Production Method	<del></del>	
Produced	Date	Tested	Production	BBL	MCF	BBL	Corr. API	Gravity	у			
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well S	tatus			
Size	SI	riess.		<b>&gt;</b>	Mei							
	luction - Inter			Tau	I.a.	1	Tong :	Ic		Production Method		
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravit	у	Production Mediod		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well S	Status			
	osition of Gas	(Sold, used	for fuel, ver	ited, etc.)								
30. Sumn	nary of Porou	ıs Zones (Ir	nclude Aquif	ers):					31. For	mation (Log) Markers		
tests,	all importan including depectories.	t zones of p oth interval	orosity and tested, cush	contents the	ereof: Core me tool ope	d intervals an en, flowing an	d all drill-stem nd shut-in pressures				To	
	Formation		Тор	Botto	m	Descript	ions, Contents, etc.		Name Mea			
QUEEN SAN ANDRES PADDOCK			2852 3608 5074	360 507 516	4   [	SILSTONE, SANDSTONE, ANHYDRITE DOLOMITE, CHERT DOLOMITE				QUEEN SAN ANDRES PADDOCK		
		į										
32. Addit	tional remark	s (include p	olugging pro	cedure):								
	e enclosed att	nanical Log	,	' '		2. Geolog			DST Rep	port 4.	Directional Surve	
	indry Notice	or plugging	g and cemen	t verification	on	6. Core A	nalysis	7	Other:			
		it the forego		tronic Sub	mission #2	85736 Verifi	correct as determine ed by the BLM WATION, sent to the	ell Inform	ation Sy	records (see attached stem.	instructions):	
5. Su	eby certify tha	,	2104	Fo	rarachi	e com on	arron, sem to th					
5. Su 34. I here	eby certify the	) <u>EMILY F</u>		Fo				EGLATOR	RY			