Form 3160-4					1	n T					RECEIVI	ED OU	iendec
(June 2415)				UN EPARTM REAU OI	ENT OF		ITERIO				JUL 19 2	FORM APPROV OMB No. 1004-0 Expires: July 31, 2	137
	W	ELL CO	MPLE	ETION OR	RECO		ON REP	ORT AND	D LOG	Farr Bureau	Cease Serial No.d	Office ageNMSF-07940	2
1a. Type of We	11	Oil We	.11	X Gas Wel	1	Dry	Othe	ər			f Indian, Allottee		3
b. Type of Con	-	New W		Work O		Deepen		g Back	Diff. Re:	svr.,			
		Other:			RECO	MPLETE				7.	Unit or CA Agree	ement Name and Name San Juan 27-5	
2. Name of Ope	erator									8. 1	Lease Name and V	Vell No.	
3. Address			Н	ilcorp Energ	gy Compa		No (includ	'e area code)		0	SA API Well No.	AN JUAN 27-5 UN	IT 108E
	382 Road 31						(505	6) 599-3400				30-039-2391	0
4. Location of V	Well (Report loca	ation clear	ly and in	accordance 1	with Feder	al requirem	ents)*			10.	Field and Pool or	Exploratory Blanco Mesave	arda
At surface				UNIT M (SW	/SW), 530	)' FSL & 9	0' FWL			11	Sec., T., R., M.,		ince
											Survey or Are	ea Sec. 15, T27I	N R05W
At top prod.	Interval reported	lbelow				same a	s above			12	County or Parish		13. State
At total dant	ih.				60m0 0	s above					Rio A	rriba	New Mexico
At total dept 14. Date Spudd		1:	5. Date	T.D. Reached	Same a		e Complete		2018		Elevations (DF,		New Mexico
	1/7/1985			11/17/198			D & A	X Read	ly to Prod			6590', GL	
18. Total Depth	1: 7822'			19. P	ug Back T		14'		20.	Depth Brid	lge Plug Set:	MD TVD	
21. Type Elect	ric & Other Mec	hanical Lo	gs Run	(Submit copy	of each)				22.	Was well	cored?		Yes (Submit analysis)
				CBL						Was DS	Г run?		Yes (Submit report)
	<u>.</u>	. 11								Directio	nal Survey?	X No	Yes (Submit copy)
	Liner Record (Re						Stage	Cementer	No. o	of Sks. &	Slurry Vol.		
Hole Size	Size/Grade		(#/ft.)	Top (MI	D) B	ottom (MD)	I	Depth		of Cement	(BBL)	Cement top*	Amount Pulled
12 1/4" 8 3/4"	9 5/8" H-40 7 <mark>" K-55</mark>		2.3#	0		225' 3706'		n/a n/a		, Class B		Surface Surface	
6 1/4"	4 1/2" K-55	10.5#	<sup>t</sup> , 11.6#	0		7822'		n/a		, Class B		TOC 676'	
		-											
24 Tubing Day													
24. Tubing Rec Size	Depth Set (	MD)	Packer	Depth (MD)	S	ize	Depth Set (	MD) P	acker De	pth (MD)	Size	Depth Set (MD)	Packer Depth (MI
2 3/8"	7776.3	'											
25. Producing I	Formation			Тор	Bo	26 ttom		tion Record Perforated Int	terval		Size	No. Holes	Perf. Status
A)	Mesaverd	е		5053'	59	10'		1 SPF, 2 ri	uns		0.34"	68	open
B) C)													
D)	ure, Treatment, (										CCEDIE	D FOR RE	CORD
27. Acid, Ffact	Depth Interval	Jement Sq	ueeze, ei	.c.				A	mount an	d Type of M			
	5053' - 5910' 676' - 3800'			oam frac'd Squeezed w				218 gal slid	ckwater	& 2.70 mill	ion SCF N2 700	<u> </u>	
	070 - 3800			squeezea w	4405X CI	ass G cen	ient.				JUL	3 0 2418	
											FARMING	ONFELDO	FFICE
28. Production	- Interval A										By:	4	
Date First Produced	Test Date	Hours	Test		Oil BBL	Gas	Water	Oil Gravity		Gas	Production N	lethod	
Floduced		Tested	PIOC	duction	DDL	MCF	BBL	Corr. API		Gravity		/	
7/5/2018	7/5/2018	1			0	23 mcf	0	N//		N/A		FLOWI	NG
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 F Rate		Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio		Well Status			
7/8''	SI-185 psi	SI-187	nei	$\rightarrow$	1 16 hon	550 mcf/d	17.5 huma	a N/A	۸			PRODUCING	
28a. Production		101-107	221			1 000 11070	11.5 bwpt	1 19/7				, RODOGING	
Date First	Test Date	Hours	Test		Oil	Gas	Water	Oil Gravity	ý	Gas	Production M	ſethod	an in an ang ang an an in the and
Produced		Tested	Prod	duction	BBL	MCF	BBL	Corr. API		Gravity	Marine Institution	NMOCD	
Choke	Tbg. Press.	Csg.	24 H	Ir	Oil	Gas	Water	Gas/Oil		Well Status			
Size	Flwg.	Press.	Rate		BBL	MCF	BBL	Ratio		men status		JUL 3 n 20	18
	SI												

\*(See instructions and spaces for additional data on page 2)

NMOCDAY

DICTRI

128h. Procectic	n - Interval C				,				
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method
Produced		Tested	Production	BBL	MCF	BBL	Corr. API	Gravity	
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status	
Size	Flwg.	Press.	Rate	BBL	MCF	BBL	Ratio		
	SI								
28c. Production	n - Interval D								
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method
Produced		Tested	Production	BBL	MCF	BBL	Corr. API	Gravity	
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status	
Size	Flwg.	Press.	Rate	BBL	MCF	BBL	Ratio		
	SI								
20 D' '''	50 (0.1:1	16 6 1							

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

sold

30. Summary of Porous	Zones (Include A	quifers):		31. Formation (Log) Markers	
	1 5		Cored intervals and all drill-stem test, n, flowing and shut-in pressures and		
Formation	Тор	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
Chacra	4350'	5052'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	4350'
Mesaverde	5052'	5172'	Light gry, med-fine gr ss, carb sh & coal	Mesaverde	5052'
Menefee	5172'	5550'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	5172'
Point Lookout	5550'	6050'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5550'
Mancos	6050'	6533'	Dark gry carb sh.	Mancos	6050'
Gallup	6533'	7483'	Lt. gry to brn calc carb micac gluac silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	6533'
Greenhorn	7483'	7541'	Highly calc gry sh w/ thin Imst.	Greenhorn	7483'
Graneros	7541'	7675'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	7541'
Dakota	7675'		Lt to dark gry foss carb sl cale sl sitty ss w/ pyrite incl thin sh	Dakota	7675'

32. Additional remarks (include plugging procedure):

## Well is now producing as Blanco Mesaverde/Basin Dakota under DHC 3998AZ

33. Indicate which items have been attach	ed by placing a check in the appropriate boxes:			
Electrical/Mechanical Logs (1 full s	et req'd.) Geologic Rep	ort [	DST Report	Directional Survey
Sundry Notice for plugging and cen	nent verification Core Analysis	· [	Other:	
34. I hereby certify that the foregoing and	attached information is complete and correct as dete	rmined from all av	vailable records (see attac	ched instructions)*
Name (please print)	Etta Trujillo	Title	Operati	ons/Regulatory Technician
Name (please print) Signature		Title	Operati 7-19	
Signature Title 18 U.S.C. Section 1001 and Title 43	Etta Trujillo U.S.C. Section 1212, make it a crime for any person representations as to any matter within its jurisdiction	Date .	7-19	-18

Form 3160-4 ( a.e. 2015)									CEN						
			DEPAR BUREAU		OFI	THE IN	<b>TERIOR</b>	<	. 11	2018			FORM APP OMB No. 10 Expires: July	004-01	37
	WE	LL COM	PLETION	OR RE	COMF	PLETIC		RT AN			5 Lea nent	se Serial No.	NMSF-0	79403	
1a. Type of Wel	1	Oil Well	X Ga	s Well	D	гу	Other			and ju		dian, Allottee			
b. Type of Con		] New Well		ork Over		eepen	Plug	Back	] Diff. R						
		Other:		R	ECOM						7. Uni	it or CA Agree	ement Name a San Juan 2		
2. Name of Ope	rator	Other.			LOOM						8. Lea	se Name and W			
			Hilcorp I	Energy Co									N JUAN 27-	5 UNI	T 108E
3. Address	382 Road 310	0 Aztac N	JM 87410		38	. Phone	No. (include	area code 599-3400			9. API	Well No.	30-039-2	23910	
4. Location of V	Vell (Report locati			ance with F	Federal 1	requireme		333-3400			10. Fie	eld and Pool or		20010	
A.4					5201						11 0	TDM	Blanco Me	saver	de
At surface			UNITIV	I (SW/SW	), 530 1	-SL & 90	JFVVL				11. Se	ec., T., R., M., o Survey or Are			
													Sec. 15,	T27N	
At top prod.	Interval reported b	pelow				same a	s above				12. C	ounty or Parish			13. State
At total dept	h			sa	me as a							Rio A			New Mexico
14. Date Spudde	ed 1/7/1985	15. I	Date T.D. Rea	ached 7/1985		16. Dat	e Completed D & A		/2018 dy to Pro	d	17. E	levations (DF, 1	RKB, RT, GL) 6590',		
18. Total Depth				19. Plug B	ack T D	<u>.                                    </u>	Dar	A Rea		0. Depth I	Bridge	Plug Set:	MD	GL	
ro. rom popu	7822'				aon 1.D.		14'		-	o. Dopins	onage		TVI	)	
21. Type Electr	ric & Other Mecha	anical Logs I			ch)				2	2. Was v			X No		es (Submit analysis)
			CB	L							DST rı		X No		es (Submit report)
22 Casing and	Liner Record (Rep	out all string	as sat in wall	1						Direc	ctional	Survey?	X No	Y	es (Submit copy)
Hole Size	Size/Grade			p (MD)	Pott		Stage	Cementer	No	. of Sks. &	c	Slurry Vol.	Comontt	~~*	Amount Pulled
		Wt. (#/s				om (MD)	D	epth		e of Ceme		(BBL)	Cement to		Amount Pulled
12 1/4'' 8 3/4''	9 5/8" H-40 7" J-55	32.3#	¢	0		225' 3706'		n/a n/a		sx, Class sx, Class			Surfac Surfac		
6 1/4"	4 1/2"(J-55)	10.5#, 1	1.6#	0		7822'		n/a		sx, Class			TOC 67		
24. Tubing Rec					0.			(D)		1.0.0	<u> </u>	0.			
Size 2 3/8''	Depth Set (M 7776.3'	1D) Pa	acker Depth (	MD)	Size		Depth Set (N	AD) .	Packer D	epth (MD	)	Size	Depth Set (	MD)	Packer Depth (MD)
25. Producing In	ntervals					26		on Record							
A)	Formation Mesaverde		To 505	<u>^</u>	Botto 5910			erforated Ir 1 SPF, 2 I				Size 0.34"	No. Holes		Perf. Status open
B)	mesuverue				0010	,		1011,21	uns			0.04			open
C) D)															
	ire, Treatment, Ce	ement Squee	ze, etc.		- 630 Ag 1940					and the second secon					
	Depth Interval							I	Amount	ind Type c	f Mate	riah FOR	DECOT		
	5053' - 5910' 676' - 3800'			ac'd w/24 ed w/440s				18 gal sli	ckwate	r & 2.70 i	millior	SCF N2 700	RECUR		
	010 0000		oqueez	cu 11/1100		5 0 0011					111	1 12 20	10		
											10	L + 2 - 20	10		
28. Production ·	- Interval A									FARM	NGT	6AL			
Date First	Test Date	Hours	Test	Oil		as	Water	Oil Gravit		Gas	1	Production N	lethod		
Produced		Tested	Production	BBL	N	1CF	BBL	Corr. API		Gravity.	~	$\mathbb{W}$			
7/5/2018	7/5/2018	1			o I	23 mcf	0	N	A	N	/A	1	FL	OWIN	IG
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	G	as	Water	Gas/Oil		Well Sta					
Size	Flwg.	Press.	Rate	BBL	N	ſCF	BBL	Ratio							
7/8''	SI-185 psi	SI-187psi		1.16	bopd 5	50 mcf/d	17.5 bwpd	N	A				PRODUCIN	IG	
28a. Production	1	111		lou		-	Im	010				<b>D</b>			
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL		as 1CF	Water BBL	Oil Gravit Corr. API	У	Gas Gravity		Production N	lethod		
		1 coloci	- routerion		1V			Son. All		Sinvity			0.0010		
Chal	The Deve	Car	24.11				11/-	0		11.11.0		IUL	1 8 2018		
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL		as 1CF	Water BBL	Gas/Oil Ratio		Well Sta			07 11	1	
	SI											DISTRI	61 11	1	

NMOCE

\*(See instructions and spaces for additional data on page 2)

Foe, Producti	on - Interval C								1
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method
Produced		Tested	Production	BBL	MCF	BBL	Corr. API	Gravity	
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status	
Size	Flwg.	Press.	Rate	BBL	MCF	BBL	Ratio		
	SI								
28c. Productio	on - Interval D								
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method
Produced		Tested	Production	BBL	MCF	BBL	Corr. API	Gravity	
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status	
Size	Flwg.	Press.	Rate	BBL	MCF	BBL	Ratio		
	SI								
29. Dispositio	on of Gas <i>(Solid, u</i>	sed for fuel, v	ented, etc.)						
						so	old		
30 Summary	of Porous Zones (	Include Aqui	fers):					31. Format	ion (Log) Markers

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem test, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

					Тор
Formation	Тор	Bottom	Descriptions, Contents, etc.	Name	Meas. Depth
Chacra	4350'	5052'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	4350'
Mesaverde	5052'	5172'	Light gry, med-fine gr ss, carb sh & coal	Mesaverde	5052'
Menefee	5172'	5550'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	5172'
Point Lookout	5550'	6050'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5550'
Mancos	6050'	6533'	Dark gry carb sh.	Mancos	6050'
Gallup	6533'	7483'	Lt. gry to brn calc carb micac gluac silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	6533'
Greenhorn	7483'	7541'	Highly calc gry sh w/ thin Imst.	Greenhorn	7483'
Graneros	7541'	7675'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	7541'
Dakota	7675'		Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	7675'

32. Additional remarks (include plugging procedure):

## Well is now producing as Blanco Mesaverde/Basin Dakota under DHC 3998AZ

<ul><li>33. Indicate which items have been at</li><li>Electrical/Mechanical Logs (1 f</li></ul>		Geologic Report	DST Report	Directional Survey
Sundry Notice for plugging and	cement verification	Core Analysis	Other:	
34. I hereby certify that the foregoing	and attached information is corr	plete and correct as determined fr	om all available records (	see attached instructions)*
Name (please print)	Etta Tru	jillo	Title O	perations/Regulatory Technician
Signature	Sta Tripe	100	Date	7-11-18
		it a crime for any person knowing!		7-11-18 any department or agency of the United States any