Area: «TEAM»

	PROI		OUR	JU ATION EORM	L 25 2014	)ភាច៖ ក្លាញ អ	Status PRELIMIN FINAL REVISED	$4^{th}$ Allocation	
Commingle Type SURFACE DOWNHOLE Type of Completion NEW DRILL RECOMPLETION PAYADD COMMINGLE							Date: 7/18/14 API No. 30-045-34872 DHC No. DHC3141AZ Lease No. SF-078135 Federal		
Well Name Huerfanito	Tinit						Well No.		
Unit Letter Surf- L	Section 1	Township <b>T026N</b>	Range <b>R009W</b>	Footag 1432' FSL & 3			#87N County, State San Juan County, New Mexico		
	Completion DateTest Method7/10/2013HISTORICAL [] FIEL				OJECTED	🗌 OTŀ	IER 🗌		
FOR	MATION		GAS	PERCENT		ENSAT	E I	PERCENT	
	MESAVERDE			49%			• 58		
DAKOTA				51%				42%	
gas analysis allocations v changing un yields.	tests from will be subr til the gas a	the Mesaverd nitted every t	le and Dako hree month fractions st	Allocation: The ota formations dur s after the first de tabilize. Condens	ing comple livery date.	tion ope Alloca	erations. Su tion splits v based upor	bsequent will keep	
APPROVEDBY DATE Solf Henry 7-25-14 V 1/23/14			14 600			PHONE <u>569</u> 7746 505-599-4081			
X A The T / dS/19 Stephen Read				7 Engineer	Engineer		505-599-	4V01	
X Anara Archam 7/18/14 Shara Graham				<u>/</u> Engineerin	Engineering Tech.			505-326-9819	

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	A Manual Contract of Contracts Date in a Annual A		the third	C. R. D. R. M. B. Mark	and Y then the States		<u>11 849 8 19 19 19 19 19 19 19 19 19 19 19 19 19 </u>	140 # 20 + 4 + -1 4 
	NM026N09W		Downhole					
ELLNAME:	Huerfanito 87	N						
PI NUMBER: EASE NUMBER:	3004534872 SF-078135							
	San Juan, NM	л						
ORMATIONS	,	V NCO MESAVERDI		KOTA)	×.			
HC # APPROVAL	DHC3141AZ							
LLOCATION NUMBER								
		ally on a state	1	The constant of a state of	S. TRACT	1. m. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		A MARKEN STATE
NALYSIS FROM:	وقب كالمميلا والأخار اللاحب فاستعادت المستكل والمشاق	Service (Phone 50	1999	Same which is a survey of the list of the second second	and a second second second	Sale and the Sale	and a second bear to the local	
NALYSIS REF NUMBI		CP140518	06/29/13					
AMPLE DATE:	6/16/2014			ן 100% א 1 90.0%				
COMPONENT	MOLE %	NORM HC %	BTU	90% -	-C- DK ALLOCT	IONS		
NITROGEN	0.79			80% -				
CO2	0.77		70% - 57.0%					
METHANE	77.91	79.1%	786.89	60% - 51.0%				
ETHANE	10.45	10.6%	184.93	50% -		_	>	
PROPANE	5.54	5.63%	139.44	40% -			-	
I-BUTANE	1.15	1.2%	37.23	30% -		43.0	% 49.0% <sup>.</sup>	
								1
N-BUTANE	1.63	1.7%	53.25	20% -	32.0%			
N-BUTANE I-PENTANE	0.71	0.7%	28.40	20% - 10% -	32.0%			
N-BUTANE I-PENTANE N-PENTANE	0.71 0.51	0.7% 0.5%	28.40 20.44		32.0%			
N-BUTANE I-PENTANE	0.71 0.51 0.54	0.7%	28.40 20.44 28.57	10% 0% 10.0%	· · · · · · · · · · · · · · · · · · ·			2-Jul-1a
N-BUTANE I-PENTANE N-PENTANE HEXANE PLUS	0.71 0.51 	0.7% 0.5%	28.40 20.44	10% 0% 10.0%	32.0%	3Nov-13 <sup>10,02-</sup> M	ar.14 <sup>Apr.10-Jun.1</sup>	Q-Jul-14
N-BUTANE I-PENTANE N-PENTANE HEXANE PLUS	0.71 0.51 0.54 100.000 98.440	0.7% 0.5%	28.40 20.44 28.57	10% - 10.0% 0% 10.0% 06-May-13u	14-Aug-13-Oct-13			<sup>2-Jul-14</sup>
N-BUTANE I-PENTANE N-PENTANE HEXANE PLUS	0.71 0.51 0.54 100.000 98.440	0.7% 0.5%	28.40 20.44 28.57	10% - 10.0% 0% 10.0% 06-May-13u	· · · · · · · · · · · · · · · · · · ·			2-Jul-14
N-BUTANE I-PENTANE N-PENTANE HEXANE PLUS HYDROCARBON	0.71 0.51 0.54 100.000 98.440	0.7% 0.5%	28.40 20.44 28.57 1294.91	10% - 10.0% 0% 10.0% 06-May-13u	14-Aug-13-Oct-13	OR REAL TIME D	ATA	BUTANE
N-BUTANE I-PENTANE N-PENTANE HEXANE PLUS	0.71 0.51 0.54 100.000 98.440 TION ME	0.7% 0.5% 0.6% THANE	28.40 20.44 <u>28.57</u> 1294.91	10% 0% 10.0% 06-May25 06-May25 100% FROM STANE	24.13 Aug 03.0ct 22 DALONE WELLS PROF	OR REAL TIME D	ATA TOTAL	BUTANE
N-BUTANE I-PENTANE N-PENTANE HEXANE PLUS HYDROCARBON ND POINTS INFORMATI	0.71 0.51 0.54 100.000 98.440 TION ME C1MV	0.7% 0.5% 0.6% THANE C1DK	28.40 20.44 28.57 1294.91 ET C2MV	10% 0% 10.0% 06-Ma <sup>25</sup> 10.0% 06-Ma <sup>25</sup> 10.0% FROM STAND	DALONE WELLS PROF	OR REAL TIME D PANE C3DK	ATA TOTAL C4MV	BUTANE C4DK
N-BUTANE I-PENTANE N-PENTANE HEXANE PLUS HYDROCARBON ND POINTS INFORMATI	0.71 0.51 0.54 100.000 98.440 TION ME	0.7% 0.5% 0.6% THANE	28.40 20.44 28.57 1294.91 ET C2MV 11.17%	10% 0% 10.0% 06-May25 06-May25 100% FROM STANE	24.13 Aug 03.0ct 22 DALONE WELLS PROF	OR REAL TIME D PANE C3DK 4.24%	ATA TOTAL C4MV 3.23%	BUTANE C4DK 1.92%
N-BUTANE I-PENTANE N-PENTANE HEXANE PLUS HYDROCARBON ND POINTS INFORMATI ONCENTRATION onfidence ratio*	0.71 0.51 0.54 100.000 98.440 TION ME C1MV 76.79%	0.7% 0.5% 0.6% THANE C1DK 81.88%	28.40 20.44 28.57 1294.91 ET C2MV 11.17%	10% 10.0% 0% 10.0% 06-May 1344 FROM STANE THANE C2DK 10.70%	23.0ct-22 DALONE WELLS PROF C3MV 7.45%	OR REAL TIME D PANE C3DK 4.24%	ATA TOTAL C4MV 3.23%	BUTANE C4DK 1.92%
N-BUTANE I-PENTANE N-PENTANE HEXANE PLUS HYDROCARBON ND-POINTS INFORMAT END POINTS INFORMATI ONCENTRATION onfidence ratio* Endpoints diff / Observ	0.71 0.51 0.54 100.000 98.440 TION N C1MV 76.79% ed Variance)	0.7% 0.5% 0.6% THANE <u>C1DK</u> 81.88% 8.0	28.40 20.44 28.57 1294.91 ET C2MV 11.17%	10% 10.0% 0% 10.0% 06-May 1344 FROM STANE THANE C2DK 10.70%	23.0ct-22 DALONE WELLS PROF C3MV 7.45%	OR REAL TIME D PANE C3DK 4.24%	ATA TOTAL C4MV 3.23%	BUTANE C4DK 1.92%
N-BUTANE I-PENTANE N-PENTANE HEXANE PLUS HYDROCARBON ND POINTS INFORMAT END POINTS INFORMATI ONCENTRATION onfidence ratio* Endpoints diff / Observ	0.71 0.51 0.54 100.000 98.440 TION N C1MV 76.79% ed Variance) ratio too low to be u	0.7% 0.5% 0.6% THANE C1DK 81.88% 8.0	28.40 20.44 28.57 1294.91 ET C2MV 11.17% purposes	10% 0% 10.0% 06-May <sup>25</sup> -Jul FROM STANE C2DK 10.70% 10	2 ALONE WELLS PROF C3MV 7.45% 7.5	OR REAL TIME D PANE C3DK 4.24% 95	ATA TOTAL C4MV 3.23% 3	BUTANE C4DK 1.92% 9
N-BUTANE I-PENTANE N-PENTANE HEXANE PLUS HYDROCARBON ND POINTS INFORMATI END POINTS INFORMATI ONCENTRATION onfidence ratio* Endpoints diff / Observ	0.71 0.51 0.54 100.000 98.440 TION N C1MV 76.79% ed Variance)	0.7% 0.5% 0.6% THANE C1DK 81.88% 8.0 used for allocation DK	28.40 20.44 28.57 1294.91 ET C2MV 11.17% purposes MV	10% 0% 10.0% 06-May <sup>25</sup> -Jul FROM STANE C2DK 10.70% 10 DK	23.0ct-22 DALONE WELLS PROF C3MV 7.45%	OR REAL TIME D PANE C3DK 4.24% 95 DK	ATA TOTAL C4MV 3.23%	BUTANE C4DK 1.92% 9.11
N-BUTANE I-PENTANE N-PENTANE HEXANE PLUS HYDROCARBON NDIPOINTS INFORMATI ONCENTRATION onfidence ratio* Endpoints diff / Observ If red, Member Conf	0.71 0.51 0.54 100.000 98.440 TION C1MV 76.79% c1MV 76	0.7% 0.5% 0.6% THANE C1DK 81.88% 8.0 used for allocation DK 46.0%	28.40 20.44 28.57 1294.91 ET C2MV 11.17% purposes MV Low(Confr	10% 0% 10.0% 06-May <sup>25</sup> -Jul FROM STANE C2DK 10.70% 10	DALONE WELLS PROF C3MV 7.45% 7.5 MV	OR REAL TIME D PANE C3DK 4.24% 95 DK	ATA TOTAL C4MV 3.23% 3	BUTANE C4DK 1.92% 9.11
N-BUTANE I-PENTANE N-PENTANE HEXANE PLUS HYDROCARBON ND POINTS INFORMATI ONCENTRATION onfidence ratio* Endpoints diff / Observ If red, Member Conf Ilocations*	0.71 0.51 0.54 100.000 98.440 TION C1MV 76.79% ed Variance) ratio too low to be u	0.7% 0.5% 0.6% THANE C1DK 81.88% 8.0 ised for allocation DK 46.0%	28.40 20.44 28.57 1294.91 ET C2MV 11.17% purposes MV Low(Confr	10% 0% 10.0% 06-May <sup>25</sup> -Jul FROM STANE C2DK 10.70% 10 DK	2 ALONE WELLS PROF C 3MV 7.45% 7.5 MV 43% CENTRAL	OR REAL TIME D PANE C3DK 4.24% 95 DK 57% MEMBER*	ATA TOTAL C4MV 3.23%	BUTANE C4DK 1.92% 9.11
N-BUTANE I-PENTANE N-PENTANE HEXANE PLUS HYDROCARBON ND POINTS INFORMATI ONCENTRATION onfidence ratio* Endpoints diff / Observ If red, Member Conf Ilocations*	0.71 0.51 0.54 100.000 98.440 TION N C1MV 76.79% C1MV 76.79% ed Variance) ratio too low to be u MV 54.0%	0.7% 0.5% 0.6% THANE C1DK 81.88% 8.0 ised for allocation DK 46.0% 5 below /endP	28.40 20.44 28.57 1294.91 ET C2MV 11.17% purposes MV Low(Confr	10% 0% 10.0% 06-May <sup>25</sup> -Jul FROM STANE C2DK 10.70% 10 DK	ALONE WELLS PROF C3MV 7.45% 7.5 MV 43% CENTRAL CONFRAIO 8.0	OR REAL TIME D PANE C3DK 4.24% 95 DK 57% MEMBER* C1	ATA TOTAL C4MV 3.23%	BUTANE C4DK 1.92% 9.11
N-BUTANE I-PENTANE N-PENTANE HEXANE PLUS HYDROCARBON ND POINTS INFORMATI CONCENTRATION CONCENTRATION CONCENTRATION CONCENTRATION If red, Member Conf If red, Member Conf Ilocations*	0.71 0.51 0.54 100.000 98.440 TION C1MV 76.79% ed Variance) ratio too low to be u MV 54.0% Effect VEfficient of P-Mix / DKendP-MV	0.7% 0.5% 0.6% THANE C1DK 81.88% 8.0 ised for allocation DK 46.0% 5 below /endP	28.40 20.44 28.57 1294.91 ET C2MV 11.17% purposes MV Low(Confr	10% 0% 10.0% 06-May25-Jul 6-May25-Jul 10.0% 10.0% 10.70% 10.70% 10.70% 10.70%	ALONE WELLS PROF C3MV 7.45% 7.45% 7.5% CENTRAL CONFEASIO 8.0 CM AI MV	OR REAL TIME D PANE C3DK 4.24% 95 DK 57% MEMBER* C1 LLOC DK	ATA TOTAL C4MV 3.23%	BUTANE C4DK 1.92% 9.11
N-BUTANE I-PENTANE N-PENTANE HEXANE PLUS HYDROCARBON ND POINTS INFORMATI CONCENTRATION CONCENTRATION CONCENTRATION CONCENTRATION If red, Member Conf If red, Member Conf Ilocations*	0.71 0.51 0.54 100.000 98.440 TION C1MV 76.79% ed Variance) ratio too low to be u MV 54.0% Effect VEfficient of P-Mix / DKendP-MV	0.7% 0.5% 0.6% THANE C1DK 81.88% 8.0 ised for allocation DK 46.0% 5 below /endP	28.40 20.44 28.57 1294.91 ET C2MV 11.17% purposes MV Low(Confr	10% 0% 10.0% 06-May25-Jul 6-May25-Jul 10.0% 10.0% 10.70% 10.70% 10.70% 10.70%	ALONE WELLS PROF C3MV 7.45% 7.45% 7.5% CENTRAL CONFEASIO 8.0 CM AI MV 54%	OR REAL TIME D PANE C3DK 4.24% 95 DK 57% MEMBER* C1 LLOC DK 46%	ATA TOTAL C4MV 3.23% 3 MV	BUTANE C4DK 1.92% 9 DK

15% Check	MV ALL	OFFICIAL G	SAS ALLOC	
C1	54.000%	MV	DK	
C2		49.0%	51.0%	
C3	43.000%	<u>Ol</u>	o coip &	* Oil allocation based on Historical yields
C4		58%	42%	* If both are zero then Oil alloc= Gas alloc
SIGNATURES 7				
NAME	TITLE	DATE		SIGNATURE