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DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

MAR 14 2019

FORM APPROVED OMB NO. 1004-0137

Expires: January 31, 2018

WELL COMPLETION OR RECOMPLETION REPORT AND LOGington Field Office Lease Serial No.

Bureau of Land Manage N000C14205594

The second lines			Jan			Daio		for the state of the state of	10001 12000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
1a. Type of W		Oil Well	Well		Other	7			5. If Indian, Allo	ttee or	Γribe Name
b. Type of Co	_	New Well Other:	Work Over	□ Deepen □ I	Plug Back Diff.	. Zones	Hydrau		7. Unit or CA Ag NMNM135217A		nt Name and No.
2. Name of Op Enduring F	erator Resources IV	LLC							3. Lease Name a N ESCAVADA I		
3. Address			NINA 07401		3a. Phone N		e area coa		9. API Well No.	00	
4. Location of	Well (Report loc	ation clear	rlv and in accord	dance with Federa	505-636-974 al requirements) *	43			0. Field and Poo		ploratory
	1		,					E	ESCAVADA N,N	MANCO	OS .
At surface					Amended				Sec., T., R., N Survey or Are		Block and
	SL & 211' FWL FSL & 1040' FE				a == 1				10 22N 7W		
	iterval reported b		,		00	MITI	DEN!		12. County or Pa Sandoval	rish	13. State NM
						INFI	UEIN	IIML			
14. Date Spud- 9/20/17	ded	15. Da	ate T.D. Reache	d	16. Date Comp		19 ady to Pro		17. Elevations (I 5860'	OF, RKI	B, RT, GL)*
18. T	otal Depth: 145			19. Plug Back T.	D.: 14530' MD		-	idge Plug Set:	MD		
	5010 TVD			5010					TVD		
21. Type Elect	ric & Other Mec	hanical Lo	gs Run (Submit	copy of each)		22.	Was well				it analysis)
	11	1 11	197210				Was DST				it report)
	(2)	03 7 (1 Wist				Direction	al Survey?	□No ⊠Yes	(Subm	it copy)
Farms 2160 4	01	00 61	YAM								Mar
Form 3160-4 (June 2015)		400	IIN	ITED STATES	S			,, ,		1	100 - 1
(June 2013)		030	MN ON	TIED STATES	,	Do	we.	Mank	iewicz	1	#11/1/1/10
3. Casing and	Liner Record (R	eport all s	trings set in wel	1)					0		715/19
Hole Size	Size/Grade	Wt. (#ft.) Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Type of	Sks. & Cement	Slurry Vol. (BBL)	Cement Top	*	Amount Pulled
12-1/4"	9-5/8", J-55	36	0	329' MD	Depin	101		162	surface		
8-3/4"	7", J-55	23	0	5583' MD		940		1516	surface		
6-1/8"	4-1/2", P-110	11.6	5421'	14577' MD		860		1168	TOL 5421'		
24. Tubing F	Record			•							
Size	Dept Set (MD)	Pacl	ker Dept (MD)	Size	Depth Set (MD)	Packer De	epth (MD)	Size	Depth Set	(MD)	Packer Depth (MD)
2-7/8",6.5#,L 80 EUE 8rd	4249'										
25. Producin	g Intervals				26. Perforation R	Pecord					
	Formation		Тор	Bottom	Perforated			Size N	lo. Holes		Perf. Status
Mancos 50 th			5683'	14508′	5683'-5824'		.35	20			
Mancos 49 th					5863'-6004'		.35	20			
Mancos 48 th					6043'-6184'		.35	20			
Mancos 47 th					6223'-6364'		.35	20			
Mancos 46 th					6403'-6544'		.35	20			
Mancos 45 th					6583'-6724'		.35	20			
Mancos 44 th					6767′-6904′		.35	20	-		
Mancos 43 rd					6943′-7084′		.35	20			
Mancos 42 nd					7123′-7264′		.35	20			
Mancos 41th					7303′-7444′		.35	20			
Mancos 40 th					7483′-7624′		.35	20			
Mancos 39th					7663'-7804'		.35	20			
Mancos 38 th					7843'-7984'		.35	20			
Mancos 37 th					8023'-8164'		.35	20			
Mancos 36 th					8203'-8344'		.35	20			
Mancos 35 th					8383'-8524'		.35	20			
Mancos 34 th					8563'-8704'		.35	20			
Mancos 33 rd					8743'-8884'		.35	20			
Mancos 32 nd					8923'-9064'		.35	20			

Mancos 31st	-		0102/ 0244/	105	100	
/		-	9103'-9244'	.35	20	
Mancos 30th			9286'-9424'	.35	20	
Mancos 29th		ļ	9463'-9604'	.35	20	
Mancos 28th			9643'-9784'	.35	20	
Mancos 27th			9823'-9964'	.35	20	
Mancos 26th			10003'-10144'	.35	20	
Mancos 25th		<u> </u>	10183'-10324'	.35	20	
Mancos 24th			10363'-10504'	.35	20	
Mancos 23 rd			10543'-10684'	.35	20	
Mancos 22 nd			10723'-10864'	.35	20	
Mancos 21st		,	10903'-11044'			
			<u> </u>	.35	20	
Mancos 20th			11083'-11224'	.35	20	
Mancos 19th			11263'-11404'	.35	20	
Mancos 18th			11443'-11584'	.35	20	
Mancos 17th			11623'-11764'	.35	20	
Mancos 16th			11803'-11944'	.35	20	
Mancos 15th			11983'-12124'	.35	20	
Mancos 14th	· · · · ·		12163'-12304'	.35	20	
Mancos 13th			12343'-12484'	.35	20	
Mancos 12th			12523'-12664'			
Mancos 11th				.35	20	
		ļ	12703'-12844'	.35	20	
Mancos 10th			12883'-13024'	.35	20	
Mancos 9th			13063'-13204'	.35	20	
Mancos 8 th		·	13243'-13384'	.35	20	· · · · · · · · · · · · · · · · · · ·
Mancos 7th			13423'-13564'	.35	20	
Mancos 6th			13603'-13744'	.35	20	
Mancos 5 th			13783'-13924'	.35	20	
Mancos 4th			13963'-14104'	.35	20	
Mancos 3 rd			14143'-14284'	.35		<u> </u>

Mancos 2nd					20	-
Mancos 2 rd			14323'-14464'	.35	20	
Mancos 1 st	mant Squage Boot hu	deville fractiving	14323'-14464' 14503'-14508'	.35 .35		
Mancos 1 st 27. Acid, Fracture, Treatment, Ce	ment Squeeze, Post hy		14323'-14464' 14503'-14508' chemical disclosures on FracFoo	.35 .35 cus.org	20 8	
Mancos 1 st 27. Acid, Fracture, Treatment, Ce Depth Interval		Amount,	14323'-14464' 14503'-14508' chemical disclosures on FracFo Type of Material and Date of Chem	.35 .35 cus.org	20 8	
Mancos 1 st 27. Acid, Fracture, Treatment, Ce Depth Interval 5683'-5824'	MC 50 th stage with	Amount, h 328900#, 20/4	14323'-14464' 14503'-14508' chemical disclosures on FracFor Type of Material and Date of Chem 0 PSA Sand	.35 .35 cus.org	20 8	
Mancos 1 st 27. Acid, Fracture, Treatment, Ce Depth Interval 5683'-5824' 5863'-6004'	MC 50 th stage with	Amount, h 328900#, 20/4 h 327800#, 20/4	14323'-14464' 14503'-14508' chemical disclosures on FracFortype of Material and Date of Chem 0 PSA Sand 0 PSA Sand	.35 .35 cus.org	20 8	
Mancos 1 st 27. Acid, Fracture, Treatment, Ce Depth Interval 5683'-5824' 5863'-6004' 6043'-6184'	MC 50 th stage with MC 49 th stage with MC 48 th stage with	Amount, h 328900#, 20/4 h 327800#, 20/4 h 329550#, 20/4	14323'-14464' 14503'-14508' chemical disclosures on FracFoo Type of Material and Date of Chem 0 PSA Sand 0 PSA Sand 0 PSA Sand	.35 .35 cus.org	20 8	
Mancos 1 st 27. Acid, Fracture, Treatment, Ce Depth Interval 5683'-5824' 5863'-6004' 6043'-6184' 6223'-6364'	MC 50 th stage with MC 49 th stage with MC 48 th stage with MC 47 th stage with	Amount, h 328900#, 20/4 h 327800#, 20/4 h 329550#, 20/4 h 328230#, 20/4	14323'-14464' 14503'-14508' chemical disclosures on FracFoo Type of Material and Date of Chem 0 PSA Sand 0 PSA Sand 0 PSA Sand 0 PSA Sand	.35 .35 cus.org	20 8	
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Mancos 1 st 27. Acid, Fracture, Treatment, Ce Depth Interval 5683'-5824' 5863'-6004' 6043'-6184' 6223'-6364' 6403'-6544' 6583'-6724'	MC 50 th stage with MC 49 th stage with MC 48 th stage with MC 47 th stage with MC 46 th stage with MC 45 th stage with	Amount, h 328900#, 20/4 h 327800#, 20/4 h 329550#, 20/4 h 328230#, 20/4 h 327450#, 20/4 h 327370#, 20/4	14323'-14464' 14503'-14508' chemical disclosures on FracFor Type of Material and Date of Chem 0 PSA Sand	.35 .35 cus.org	20 8	
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Mancos 1 st 27. Acid, Fracture, Treatment, Ce Depth Interval 5683'-5824' 5863'-6004' 6043'-6184' 6223'-6364' 6403'-6544' 6583'-6724' 6767'-6904' 6943'-7084' 7123'-7264' 7303'-7444' 7483'-7624' 7663'-7804' 8023'-8164' 8203'-8344' 8383'-8524' 8563'-8704' 8743'-8884' 8923'-9064' 9103'-9244' 9286'-9424'	MC 50th stage with MC 48th stage with MC 48th stage with MC 46th stage with MC 45th stage with MC 43th stage with MC 43th stage with MC 42th stage with MC 40th stage with MC 30th stage with MC 38th stage with MC 38th stage with MC 36th stage with MC 36th stage with MC 35th stage with MC 34th stage with MC 34th stage with MC 33th stage with MC 31st stage with MC 31st stage with MC 30th stage	Amount, h 328900#, 20/4 h 327800#, 20/4 h 329550#, 20/4 h 328230#, 20/4 h 327450#, 20/4 h 327370#, 20/4 h 327150#, 20/4 h 329450#, 20/4 h 328350#, 20/4 h 329500#, 20/4 h 329500#, 20/4 h 329500#, 20/4 h 320470#, 20/4 h 326500#, 20/4	14323'-14464' 14503'-14508' chemical disclosures on FracFormonical disclosures on FracFormonica	.35 .35 cus.org	20 8	
Mancos 1 st 27. Acid, Fracture, Treatment, Ce Depth Interval 5683'-5824' 5863'-6004' 6043'-6184' 6223'-6364' 6403'-6544' 6583'-6724' 6767'-6904' 6943'-7084' 7123'-7264' 7303'-7444' 7483'-7624' 7663'-7804' 8023'-8164' 8203'-8344' 8383'-8524' 8563'-8704' 8743'-8884' 8923'-9064' 9103'-9244'	MC 50th stage with MC 49th stage with MC 48th stage with MC 46th stage with MC 45th stage with MC 45th stage with MC 43th stage with MC 42th stage with MC 42th stage with MC 40th stage with MC 39th stage with MC 39th stage with MC 36th stage with MC 36th stage with MC 35th stage with MC 35th stage with MC 33th stage with MC 32th stage with MC 31th stage	Amount, h 328900#, 20/4 h 327800#, 20/4 h 329550#, 20/4 h 328230#, 20/4 h 327450#, 20/4 h 327370#, 20/4 h 327150#, 20/4 h 329450#, 20/4 h 328350#, 20/4 h 329500#, 20/4 h 329500#, 20/4 h 329500#, 20/4 h 320470#, 20/4 h 326500#, 20/4	14323'-14464' 14503'-14508' chemical disclosures on FracFormonical disclosures on FracFormonica	.35 .35 cus.org	20 8	
Mancos 1 st 27. Acid, Fracture, Treatment, Ce Depth Interval 5683'-5824' 5863'-6004' 6043'-6184' 6223'-6364' 6403'-6544' 6583'-6724' 6767'-6904' 6943'-7084' 7123'-7264' 7303'-7444' 7483'-7624' 7663'-7804' 8023'-8164' 8203'-8344' 8383'-8524' 8563'-8704' 8743'-8884' 8923'-9064' 9103'-9244' 9286'-9424'	MC 50th stage with MC 48th stage with MC 48th stage with MC 46th stage with MC 45th stage with MC 43th stage with MC 43th stage with MC 42th stage with MC 40th stage with MC 30th stage with MC 38th stage with MC 38th stage with MC 36th stage with MC 36th stage with MC 35th stage with MC 34th stage with MC 34th stage with MC 33th stage with MC 31st stage with MC 31st stage with MC 30th stage	Amount, h 328900#, 20/4 h 327800#, 20/4 h 329550#, 20/4 h 328230#, 20/4 h 327450#, 20/4 h 327370#, 20/4 h 327150#, 20/4 h 329450#, 20/4 h 329450#, 20/4 h 329600#, 20/4 h 329500#, 20/4 h 327900#, 20/4 h 326500#, 20/4 h 326500#, 20/4 h 328500#, 20/4 h 328500#, 20/4 h 328500#, 20/4 h 327200#, 20/4 h 327200#, 20/4 h 327200#, 20/4	14323'-14464' 14503'-14508' chemical disclosures on FracFormonical disclosures on FracFormonica	.35 .35 cus.org	20 8	
Mancos 1 st 27. Acid, Fracture, Treatment, Ce Depth Interval 5683'-5824' 5863'-6004' 6043'-6184' 6223'-6364' 6403'-6544' 6583'-6724' 6767'-6904' 6943'-7084' 7123'-7264' 7303'-7444' 7483'-7624' 7663'-7804' 7843'-7984' 8023'-8164' 8203'-8344' 8383'-8524' 8563'-8704' 8743'-8884' 8923'-9064' 9103'-9244' 9286'-9424' 9463'-9604'	MC 50th stage with MC 48th stage with MC 48th stage with MC 46th stage with MC 45th stage with MC 45th stage with MC 43th stage with MC 42th stage with MC 40th stage with MC 30th stage with MC 38th stage with MC 38th stage with MC 36th stage with MC 35th stage with MC 35th stage with MC 33th stage with MC 30th stage with MC 29th Stage	Amount, h 328900#, 20/4 h 327800#, 20/4 h 329550#, 20/4 h 329550#, 20/4 h 327450#, 20/4 h 327370#, 20/4 h 329450#, 20/4 h 329450#, 20/4 h 329450#, 20/4 h 329600#, 20/4 h 329500#, 20/4 h 329500#, 20/4 h 320470#, 20/4 h 326500#, 20/4 h 326500#, 20/4 h 326500#, 20/4 h 327200#, 20/4 h 327200#, 20/4 h 327500#, 20/4 h 327500#, 20/4	14323'-14464' 14503'-14508' chemical disclosures on FracFormonical disclosures on FracFormonica	.35 .35 cus.org	20 8	
Mancos 1 st 27. Acid, Fracture, Treatment, Ce Depth Interval 5683'-5824' 5863'-6004' 6043'-6184' 6223'-6364' 6403'-6544' 6583'-6724' 6767'-6904' 6943'-7084' 7123'-7264' 7303'-7444' 7483'-7624' 7663'-7804' 7843'-7984' 8023'-8164' 8203'-8344' 8383'-8524' 8563'-8704' 8743'-8884' 8923'-9064' 9103'-9244' 9286'-9424' 9463'-9604'	MC 50th stage with MC 48th stage with MC 47th stage with MC 46th stage with MC 45th stage with MC 45th stage with MC 42th stage with MC 42th stage with MC 40th stage with MC 30th stage with MC 38th stage with MC 37th stage with MC 36th stage with MC 36th stage with MC 35th stage with MC 34th stage with MC 33th stage with MC 31th stage with MC 31th stage with MC 31th stage with MC 30th stage with MC 30th stage with MC 30th stage with MC 29th stage with MC 28th stage	Amount, h 328900#, 20/4 h 327800#, 20/4 h 327800#, 20/4 h 329550#, 20/4 h 327450#, 20/4 h 327370#, 20/4 h 327150#, 20/4 h 328350#, 20/4 h 329450#, 20/4 h 329600#, 20/4 h 329500#, 20/4 h 329500#, 20/4 h 320470#, 20/4 h 326500#, 20/4 h 326500#, 20/4 h 327900#, 20/4 h 327200#, 20/4 h 327500#, 20/4 h 327500#, 20/4 h 327500#, 20/4	14323'-14464' 14503'-14508' chemical disclosures on FracForman PSA Sand 0 PSA Sand	.35 .35 cus.org	20 8	
Mancos 1 st 27. Acid, Fracture, Treatment, Ce Depth Interval 5683'-5824' 5863'-6004' 6043'-6184' 6223'-6364' 6403'-6544' 6583'-6724' 6767'-6904' 6943'-7084' 7123'-7264' 7303'-7444' 7483'-7624' 7663'-7804' 7843'-7984' 8023'-8164' 8203'-8344' 8383'-8524' 8563'-8704' 8743'-8884' 8923'-9064' 9103'-9244' 9286'-9424' 9463'-9784' 9823'-9784'	MC 50th stage with MC 49th stage with MC 48th stage with MC 46th stage with MC 45th stage with MC 45th stage with MC 42th stage with MC 42th stage with MC 40th stage with MC 30th stage with MC 30th stage with MC 36th stage with MC 36th stage with MC 36th stage with MC 33th stage with MC 32th stage with MC 32th stage with MC 32th stage with MC 30th stage with MC 30th stage with MC 30th stage with MC 29th stage with MC 28th stage with MC 28th stage with MC 28th stage with MC 27th MC 27th Stage With MC 27th MC 27th Stage With MC 27th MC 27th MC 27th MC 27th MC 27th Stage With MC 27th MC 27	Amount, h 328900#, 20/4 h 327800#, 20/4 h 329550#, 20/4 h 328230#, 20/4 h 327450#, 20/4 h 327370#, 20/4 h 328350#, 20/4 h 328350#, 20/4 h 329500#, 20/4 h 329500#, 20/4 h 329500#, 20/4 h 320470#, 20/4 h 326500#, 20/4 h 326500#, 20/4 h 326500#, 20/4 h 327500#, 20/4 h 327500#, 20/4 h 327500#, 20/4 h 327500#, 20/4 h 327700#, 20/4 h 327700#, 20/4 h 327700#, 20/4 h 327700#, 20/4	14323'-14464' 14503'-14508' chemical disclosures on FracForman PSA Sand 0 PSA Sand	.35 .35 cus.org	20 8	
Mancos 1 st 27. Acid, Fracture, Treatment, Ce Depth Interval 5683'-5824' 5863'-6004' 6043'-6184' 6223'-6364' 6403'-6544' 6583'-6724' 6767'-6904' 6943'-7084' 7123'-7264' 7303'-7444' 7483'-7984' 8023'-8164' 8203'-8344' 8383'-8524' 8563'-8704' 8743'-8884' 8923'-9064' 9103'-9244' 9286'-9424' 9463'-9784' 9823'-9964' 10003'-10144'	MC 50th stage with MC 49th stage with MC 47th stage with MC 46th stage with MC 45th stage with MC 45th stage with MC 43th stage with MC 42th stage with MC 40th stage with MC 39th stage with MC 39th stage with MC 36th stage with MC 36th stage with MC 35th stage with MC 33th stage with MC 32th stage with MC 30th stage with MC 30th stage with MC 30th stage with MC 28th stage with MC 28th stage with MC 27th stage with MC 27th stage with MC 26th stage	Amount, h 328900#, 20/4 h 327800#, 20/4 h 329550#, 20/4 h 329550#, 20/4 h 327450#, 20/4 h 327370#, 20/4 h 328350#, 20/4 h 328350#, 20/4 h 328350#, 20/4 h 329500#, 20/4 h 329500#, 20/4 h 329500#, 20/4 h 320470#, 20/4 h 326500#, 20/4 h 326500#, 20/4 h 326500#, 20/4 h 327500#, 20/4 h 327500#, 20/4 h 327500#, 20/4 h 327700#, 20/4 h 327700#, 20/4 h 328000#, 20/4	14323'-14464' 14503'-14508' chemical disclosures on FracForman PSA Sand 0 PSA Sand	.35 .35 cus.org	20 8	
Mancos 1stanton Present Presen	MC 50th stage with MC 48th stage with MC 47th stage with MC 46th stage with MC 45th stage with MC 45th stage with MC 42th stage with MC 42th stage with MC 40th stage with MC 39th stage with MC 38th stage with MC 38th stage with MC 36th stage with MC 35th stage with MC 33th stage with MC 32th stage with MC 32th stage with MC 30th stage with MC 30th stage with MC 29th stage with MC 27th stage with MC 27th stage with MC 26th stage with MC 26th stage with MC 26th stage with MC 25th stage	Amount, h 328900#, 20/4 h 327800#, 20/4 h 329550#, 20/4 h 329550#, 20/4 h 327450#, 20/4 h 327150#, 20/4 h 329450#, 20/4 h 328100#, 20/4 h 329600#, 20/4 h 329500#, 20/4 h 329500#, 20/4 h 329500#, 20/4 h 320470#, 20/4 h 326500#, 20/4 h 326500#, 20/4 h 326500#, 20/4 h 327200#, 20/4 h 327200#, 20/4 h 327500#, 20/4 h 327500#, 20/4 h 327500#, 20/4 h 32800#, 20/4 h 32800#, 20/4	14323'-14464' 14503'-14508' chemical disclosures on FracForman Fr	.35 .35 cus.org	20 8	

10723'-10864'	MC 22 nd stage with 328100#, 20/40 PSA Sand
10903'-11044'	MC 21st stage with 327200#, 20/40 PSA Sand
11083'-11224'	MC 20th stage with 325000#, 20/40 PSA Sand
11263'-11404'	MC 19th stage with 325520#, 20/40 PSA Sand
11443'-11584'	MC 18 th stage with 326100#, 20/40 PSA Sand
11623'-11764'	MC 17 th stage with 327100#, 20/40 PSA Sand
11803'-11944'	MC 16 th stage with 327400#, 20/40 PSA Sand
11983'-12124'	MC 15 th stage with 327250#, 20/40 PSA Sand
12163'-12304'	MC 14 th stage with 327020#, 20/40 PSA Sand
12343'-12484'	MC 13 th stage with 327850#, 20/40 PSA Sand
12523'-12664'	MC 12th stage with327500#, 20/40 PSA Sand
12703'-12844'	MC 11 th stage with 327350#, 20/40 PSA Sand
12883'-13024'	MC 10 th stage with 326350#, 20/40 PSA Sand
13063'-13204'	MC 9th stage with 326300#, 20/40 PSA Sand
13243'-13384'	MC 8 th stage with 327800#, 20/40 PSA Sand
13423'-13564'	MC 7 th stage with 328050#, 20/40 PSA Sand
13603'-13744'	MC 6 th stage with 326590#, 20/40 PSA Sand
13783'-13924'	MC 5 th stage with 326270#, 20/40 PSA Sand
13963'-14104'	MC 4 th stage with 327300#, 20/40 PSA Sand
14143'-14284'	MC 3 rd stage with 327000#, 20/40 PSA Sand
14323'-14464'	MC 2 nd stage with 327500#, 20/40 PSA Sand
14503'-14508'	MC 1 st stage with 237580# 20/40 PSA Sand

8.Producti	ion - Interva	l A							
Date First roduced Vill file n elivery undry	Test Date	Hours Tested 24 hr	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status Producing	
8a. Produ	ction - Inter	val B	<u> </u>	·			l		
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method
	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
(See instr	uctions and	spaces for	additional da	ta on pag	ge 2)			,	
	iction - Inter								<u> </u>
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
28c. Produ	ction - Inter	vai D	<u> </u>	<u> </u>					
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Соп. API.	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	1

^{28.} Disposition of Gas (Solid, used for fuel, vented, etc.)

.	-		.		.,	Тор	
Formation	Тор	Bottom	Descriptions, Conte	nts, etc.	Name	Meas. Dep	
OMAIA OLO	791	790		· · · · · · · · · · · · · · · · · · ·			
KIRTLAND	1004	1000	•				
CTURED CLIFFS	1331	1317					
LEWIS	1418	1399				ŀ	
CHACRA	1722	1688			·	-	
CLIFF HOUSE	2877	2785					
MENEFEE	2918	2824		-	•		
DINT LOOKOUT	3828	3690					
MANCOS .	3992	3847					
GALLUP	4333	4181			,		
iditional remark	s (include plu	gging procedure).		_			
			a check in the appropriate be	ovec:			
Electrical/Mecha			Geologic Report	DST Report	☑Directional Survey		
		cement verification		Other:	Directional Staves		
Isunary Notice to	r piugging and o	cement vernication	Core Analysis	_Other.	•		
ereby certify th	at the foregoi	ng and attached info	mation is complete and corr	ect as determined f	rom all available records (see attached instr	uctions) *	
Name (please	_	_		Title Permit Specia		,	
Signature 1	COL 1	10 en	· I	Date 3/14/19			
<u> </u>							



RECEIVED

DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

Mancos 35th

Mancos 34th

Mancos 33rd

Mancos 32nd

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FORM APPROVED OMB NO. 1004-0137 Expires: January 31, 2018

	AAELL C	OMPL	EIIC	JN UK K	ECOMP	LETIC	N KE	PURI	AND	LUG		5.	Lease Seri	al No.	
									F	armingto	n Field	Off	00C142	05594	
la. Type of Web. Type of Co		Oil Well	-	Well Work Over	□ Dry □ Deepen	Othe		□Diff.		eau of La	nd Man. lic Fracturin	0.	If Indian,	Allottee or	Tribe Name
b. Type of Co		Other:	u _		Пъссрен		Back		Zones		ne i racturni	7.	Unit or CA ANM1352	_	nt Name and No.
2. Name of Op Enduring R	erator Resources I	V LLC												ne and Wel	
3. Address 200 Energy			on NI	VI 87401				Phone N -636-974		de area cod	le)		API Well 1 -043-21		
4. Location of					dance with F	ederal r	equirem	ents) *				10.	Field and	Pool or Ex	xploratory
At surface													Sec., T., I	N,MANC R., M., on I	
SHL: 1590' FS BHL: 2306' I	SL & 211' FW FSL & 1040' F			and the second second									Survey or 22N 7W County o		13. State
At top prod. in													ndoval	ransn	NM
14. Date Spude	ded			T.D. Reached	d			e Compl	eted 1/3	1/19 Ready to Pro		17.		ns (DF, RK	B, RT, GL)*
9/20/17	.15 4 44		11/17		10 DI D	1.77				. Depth Br					
18. To	otal Depth: 14 5010 TVD		D		19. Plug Ba	ok T.D.:		MD	20	. Depui Bi	iage Piug		TVD		
21. Type Electr	ric & Other Me	chanical	Logs R	Run (Submit	copy of each	1)			22	Was well Was DST Direction		\boxtimes	No 🗆	Yes (Subm Yes (Subm Yes (Subm	
Form 3160-4 (June 2015)				UN	ITED STA	TES			CC:			AL		N FEB	MOCD 2 1 2019
23. Casing and	Liner Record (Report a	ll string	gs set in well)									. 20	- 1 2013
Hole Size	Size/Grade	Wt. (#ft.)	Top (MD)	Bottom (N	MD)	Stage Ce Dep	menter th	No. o Type o	f Sks. & f Cement	Slurry (BBI		Cement	Dot'S TR	Amount Pulled
12-1/4"	9-5/8", J-55	36	0		329' M	ID			101		162		surface		
8-3/4"	7", J-55	23	0		5583' N	/ID			940		1516		surface		
6-1/8"	4-1/2", P-110	11.6	54	421'	14577'	MD			860		1168		TOL 5421'		
					1										
24. Tubing R											·				
Size	Dept Set (MI	D) F	acker I	Dept (MD)	Size		Depth Se	et (MD)	Packer I	Depth (MD)	Si	ze	Depth	Set (MD)	Packer Depth (MD)
2-7/8",6.5#,L 80 EUE 8rd	4045′														
25. Producing	Intervals					2	6 Perfo	ration R	ecord						
	Formation			Тор	Bottom		Pe	erforated I			Size	No.	Holes		Perf. Status
Mancos 50th				5683'	14508'	5	683'-58	324'		.35		20			
Mancos 49th						5	863'-60	04'		.35		20			
Mancos 48th						6	043'-61	84'		.35		20			
Mancos 47th						6	223'-63	864'		.35		2010	CEPT	ED FO	OR RECORD
Mancos 46th						6	403'-65	44'		.35		20			
Mancos 45th						6	583'-67	24'		.35		20	1-	- 20	0010
Mancos 44th						6	767'-69	04'		.35		20		ID ZU	20.3
Mancos 43 rd						6	943'-70	84'	****	.35		20		//	
Mancos 42 nd						7	123'-72	264'		.35		20	RIVING	25	ELD OFFICE
Mancos 41th							303'-74			.35		208)		7/1	
Mancos 40th							483'-76			.35		20	-	/	And the same pagestal
Mancos 39th			 				663'-78			.35		20			
Mancos 38th						_	843'-79			.35		20			
Mancos 37 th						_	023'-81			.35		20			
Mancos 36th			-				203'-83			.35		20			

8383'-8524'

8563'-8704'

8743'-8884' 8923'-9064'

Mancos 31 st			9103'-9244'	.35	20	
Mancos 30th			9286'-9424'	.35	20	
Mancos 29th			9463'-9604'	.35	20	
Mancos 28th		1	9643'-9784'	.35	20	
Mancos 27th			9823'-9964'	.35	20	
Mancos 26th		 	10003'-10144'	.35	20	
Mancos 25th			10183'-10324'	.35	20	
Mancos 24th		-	10363'-10504'	.35	20	
Mancos 23 rd			10543'-10684'	.35	20	
Mancos 22 nd			10723'-10864'	.35	20	· · · · · · · · · · · · · · · · · · ·
Mancos 21st			10903'-11044'	.35	20	
Mancos 20th			11083'-11224'	.35	20	
Mancos 19th			11263'-11404'	.35	20	
Mancos 18th			11443'-11584'	 	20	
Mancos 17th	<u> </u>	 	11623'-11764'	.35		
Mancos 16th		+		.35	20	
Mancos 15th		<u> </u>	11803'-11944' 11983'-12124'	.35	20	
				.35	20	
Mancos 14th			12163'-12304'	.35	20	
Mancos 13th			12343'-12484'	.35	20	
Mancos 12th			12523'-12664'	.35	20	
Mancos 11th			12703'-12844'	.35	20	
Mancos 10th	·		12883'-13024'	.35	20	
Mancos 9th			13063'-13204'	.35	20	
Mancos 8 th			13243′-13384′	.35	20	
Mancos 7th			13423'-13564'	.35	20	
Mancos 6 th			13603'-13744'	.35	20	
Mancos 5th			13783'-13924'	.35	20	
Mancos 4th			13963'-14104'	.35	20	
Mancos 3 rd			14143'-14284'	.35	20	
Mancos 2 nd			14323'-14464'	.35	20	
Mancos 1st		<u> </u>	14503'-14508'	.35	8	
27. Acid, Fracture, Treatment	, Cement Squeeze, Post I	ydraulic fracturing	chemical disclosures on Fi			
Depth Interval			Type of Material and Date of	Chemical Disclosure	upload on FracFocus	.org
5683'-5824'	MAC SOTH CHARO W	th 328900#, 20/4				
5863'-6004'	MC 49 th stage w	th 327800#, 20/4				
6043'-6184'	MC 49 th stage w MC 48 th stage w	th 329550#, 20/4	O PSA Sand			
6043'-6184' 6223'-6364'	MC 49 th stage w MC 48 th stage w MC 47 th stage w	th 329550#, 20/4 th 328230#, 20/4	O PSA Sand O PSA Sand			
6043'-6184' 6223'-6364' 6403'-6544'	MC 49 th stage w MC 48 th stage w MC 47 th stage w MC 46 th stage w	th 329550#, 20/4 th 328230#, 20/4 th 327450#, 20/4	O PSA Sand O PSA Sand O PSA Sand			
6043'-6184' 6223'-6364' 6403'-6544' 6583'-6724'	MC 49 th stage w MC 48 th stage w MC 47 th stage w MC 46 th stage w MC 45 th stage w	th 329550#, 20/4 th 328230#, 20/4 th 327450#, 20/4 th 327370#, 20/4	O PSA Sand O PSA Sand O PSA Sand O PSA Sand			
6043'-6184' 6223'-6364' 6403'-6544' 6583'-6724' 6767'-6904'	MC 49 th stage w MC 48 th stage w MC 47 th stage w MC 46 th stage w MC 45 th stage w MC 44 th stage w	th 329550#, 20/4 th 328230#, 20/4 th 327450#, 20/4 th 327370#, 20/4 th 327150#, 20/4	O PSA Sand			
6043'-6184' 6223'-6364' 6403'-6544' 6583'-6724' 6767'-6904' 6943'-7084'	MC 49 th stage w MC 48 th stage w MC 47 th stage w MC 46 th stage w MC 45 th stage w MC 45 th stage w MC 44 th stage w MC 43 rd stage w	th 329550#, 20/4 th 328230#, 20/4 th 327450#, 20/4 th 327370#, 20/4 th 327150#, 20/4 th 329450#, 20/4	O PSA Sand			
6043'-6184' 6223'-6364' 6403'-6544' 6583'-6724' 6767'-6904' 6943'-7084' 7123'-7264'	MC 49 th stage w MC 48 th stage w MC 47 th stage w MC 46 th stage w MC 45 th stage w MC 44 th stage w MC 44 th stage w MC 43 rd stage w MC 43 rd stage w	th 329550#, 20/4 th 328230#, 20/4 th 327450#, 20/4 th 327370#, 20/4 th 327150#, 20/4 th 329450#, 20/4 ith 328350#, 20/4	O PSA Sand			
6043'-6184' 6223'-6364' 6403'-6544' 6583'-6724' 6767'-6904' 6943'-7084' 7123'-7264' 7303'-7444'	MC 49 th stage w MC 48 th stage w MC 47 th stage w MC 46 th stage w MC 45 th stage w MC 44 th stage w MC 43 rd stage w MC 43 rd stage w MC 42 nd stage w MC 41 st stage w	th 329550#, 20/4 th 328230#, 20/4 th 327450#, 20/4 th 327370#, 20/4 th 327150#, 20/4 th 329450#, 20/4 th 328350#, 20/4 th 328100#, 20/4	O PSA Sand			
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10723'-10864'	MC 22 nd stage with 328100#, 20/40 PSA Sand
10903'-11044'	MC 21st stage with 327200#, 20/40 PSA Sand
11083'-11224'	MC 20 th stage with 325000#, 20/40 PSA Sand
11263'-11404'	MC 19th stage with 325520#, 20/40 PSA Sand
11443'-11584'	MC 18 th stage with 326100#, 20/40 PSA Sand
11623'-11764'	MC 17 th stage with 327100#, 20/40 PSA Sand
11803'-11944'	MC 16 th stage with 327400#, 20/40 PSA Sand
11983'-12124'	MC 15 th stage with 327250#, 20/40 PSA Sand
12163'-12304'	MC 14th stage with 327020#, 20/40 PSA Sand
12343'-12484'	MC 13 th stage with 327850#, 20/40 PSA Sand
12523'-12664'	MC 12th stage with327500#, 20/40 PSA Sand
12703'-12844'	MC 11 th stage with 327350#, 20/40 PSA Sand
12883'-13024'	MC 10 th stage with 326350#, 20/40 PSA Sand
13063'-13204'	MC 9th stage with 326300#, 20/40 PSA Sand
13243'-13384'	MC 8th stage with 327800#, 20/40 PSA Sand
13423'-13564'	MC 7 th stage with 328050#, 20/40 PSA Sand
13603'-13744'	MC 6 th stage with 326590#, 20/40 PSA Sand
13783'-13924'	MC 5 th stage with 326270#, 20/40 PSA Sand
13963'-14104'	MC 4 th stage with 327300#, 20/40 PSA Sand
14143'-14284'	MC 3 rd stage with 327000#, 20/40 PSA Sand
14323'-14464'	MC 2 nd stage with 327500#, 20/40 PSA Sand
14503'-14508'	MC 1stage with 237580# 20/40 PSA Sand

Date First Produced Will file on delivery sundry	Test Date	Hours Tested 24 hr	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status Producing	
28a. Produ	ction - Inter	val B							
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method
Choke	Tbg. Press.		24 Hr.	Oil	Gas	Water BBL	Gas/Oil Ratio	Well Status	
Size	Flwg. SI	Press.	Rate	BBL	MCF	DDL	Rano		
Size *(See instr	SI uctions and	spaces for	r additional da			BBL	Radio	<u></u>	
Size *(See instraction of the control of the contr	SI uctions and uction - Inter	spaces for rval C	r additional da	ta on pag	ge 2)				
Size *(See instraction of the control of the contr	SI uctions and	spaces for	r additional da	ta on pag		Water	Oil Gravity Corr. API.	Gas Gravity	Production Method
Size *(See instruction 28b. Produ Date First	SI uctions and uction - Inter	spaces for rval C Hours	r additional da	ta on pag	ge 2)	Water	Oil Gravity		Production Method
*(See instruction of the control of	SI uctions and uction - Inter Test Date Tbg. Press. Flwg.	spaces for rval C Hours Tested Csg. Press.	Test Production 24 Hr. Rate	Oil BBL Oil BBL	Gas MCF Gas MCF	Water BBL Water	Oil Gravity Corr. API.	Gravity Well Status	Production Method
Size *(See instruction of the content of the conte	SI uctions and uction - Inter Test Date Tbg. Press. Ffwg. SI	spaces for rval C Hours Tested Csg. Press.	Test Production 24 Hr. Rate	ta on page Oil BBL Oil BBL	Gas MCF	Water BBL Water	Oil Gravity Corr. API.	Gravity	Production Method Production Method

		osity and contents the cushion used, time too	reof: Cored intervals and all de l open, fl and shut-in p			
ecoveries.	,	,	,			
Formation	Тор	Bottom	Descriptions, Conter	nts. etc.	Name	Тор
			,			Meas. Dept
OJO ALAMO	791	790				
KIRTLAND	1004	1000				
PICTURED CLIFFS	1331	1317				
LEWIS	1418	1399				
CHACRA	1722	1688				
CLIFF HOUSE	2877	2785				
MENEFEE	2918	2824				
OINT LOOKOUT	3828	3690				
MANCOS	3992	3847				
GALLUP	4333	4181				
		ugging procedure).				
		,, ,	a check in the appropriate bo			
Electrical/Mechan	nical Logs (1 fi	ull set req'd.)	Geologic Report	□DST Report	☑Directional Survey	
Sundry Notice for	r plugging and	cement verification	☐Core Analysis	Other:		
hereby certify that	at the foregoi	ng and attached infor	mation is complete and corre	ect as determined f	from all available records (see attached instr	uctions) *
Name (please	_		•	itle Permit Specia		,
Signature	tac	last	D	ate 2-12	-/6	