DEPARTMENT OF THE INTERIOR DURAU OF LAND MANAGEMENT     DEC 13 2017 BUREL COMPLETION OR RECOMPLETION REPORT FAIL COG <sup>®</sup> , Feld Offer, Burel of Land Management Comment Dotar     DBM (Note Dury of Land Management Comment Dotar     DBM (Note Dury of Land Management Dotar     DBM (Note Dotar     DBM (N	č,						REC	EI	VED				
WELL COMPLETION OR RECOMPLETION REPORT AND LOG " Hild Undargen To Deraw Distance of Competition Deve Vial Deve Vial Deve Distance Vial Parameter Name and No. WWE Therefy Production, LLC     Less Seat Distance Vial Parameter Name and No. WWE Therefy Production, LLC     Less Seat Distance Vial Parameter Name and No. WWE Therefy Production Competition Deve Vial Parameter Name and No. WWE Therefy Production Competition Deve Vial Parameter Name and No. WWE Therefy Production Competition Deve Vial Parameter Name and No. WWE Therefy Production Competition Deve Vial Parameter Name and No. WWE Therefy Production Competition Deve Vial Parameter Name and No. WWE Therefy Production Competition Deve Vial Parameter Name and No. WWE Therefy Production Competition Deve Vial Parameter Name and No. WWE Therefy Production Competition Deve Vial Parameter Name and No. WWE Therefy Production Competition Deve Vial Parameter Name and No. WWE Therefy Production Competition Deve Vial Parameter Name and No. WWE Therefy Production Competition Deve Vial Parameter Name and No. WWE Therefy Production Competition Deve Vial Parameter Name and No. WWE Therefy Production Deve Vial Parameter Name and No. WWE Therefy Production Deve Vial Parameter Name and No. WWE Therefy Production Deve Vial Parameter Name and No. WWE Therefy Production Deve Vial Parameter Name and No. WWE Therefy Production Deve Vial Parameter Name and No. WWE Therefy Production Developed Developed 11/4/17     Is Rease Name and No. WWE Therefy Production Developed 11/4/17     Is Rease Name and No. WWE Therefy Production Developed Developed 11/4/17     Is Rease Name and No. WWE Therefy Production Developed Dev			D BU	EPARTME REAU OF	NT OF THE I LAND MANA	NTERIOR AGEMENT	DEC	13	2017		FORM A OMB	APPROVED NO. 1004- 0137 nuary 31, 2018	
In   Type of Well   BOIL   BOIL   DOIL   DOIL <td></td> <td>WELL CO</td> <td>OMPLET</td> <td>ION OR F</td> <td>ECOMPLET</td> <td>ION REPORT</td> <td>AND LOC</td> <td>and</td> <td>ield Office Manageme</td> <td>5. Lease</td> <td>Serial No.</td> <td></td>		WELL CO	OMPLET	ION OR F	ECOMPLET	ION REPORT	AND LOC	and	ield Office Manageme	5. Lease	Serial No.		
III. 1996 01 Weil   Diver   Diver </td <td>1. True of W</td> <td></td> <td>01114-11</td> <td>337-11</td> <td></td> <td>Other</td> <td></td> <td></td> <td></td> <td>6 If Indi</td> <td>an Allottee o</td> <td>or Tribe Name</td>	1. True of W		01114-11	337-11		Other				6 If Indi	an Allottee o	or Tribe Name	
	b. Type of C	completion	New Well	Work Over		Plug Back Diff	Zones	Hydrau	ulic Fracturing	0. II IIIdi	an, mouce e		
2. Not Construction, LLC     DEC.9.9.7117     W Difform     3. Proofs Not (include and Code)       2. Acation of Well (Report location clearly and in accordance with Federal requirement)*     3. Proofs Not (include and Code)     9. Proof Not (include and Code)     11. Sec. T, R. M. (in Block and Link Code)     11. Sec. T, R. M. (in Block and Code)     11. Sec. T, R. M. (in Block and Code)     11. Sec. T, R. M. (in Block and Code)     11. Sec. T, R. M. (in Block and Code)     11. Sec. T, R. M. (in Block and Code)     11. Sec. T, R. M. (in Block and Code)     11. Sec. T, R. M. (in Block and Code)     11. Sec. T, R. M. (in Block and Code)     11. Sec. T, R. M. (in Block and Code)     11. Sec. T, R. M. (in Block and Code)     11. Sec. T, R. M. (in Block and Code)     11. Sec. T, R. M. (in Block and Code)     11. Sec. T, R. M. (in Block and Code)     11. Sec. T, R. M. (in Block and Code)     11. Sec. T, R. M. (in Block and Code)     11. Sec. T, R. M. (in Block and Code)     11. Sec. T, R. M. (in Block and Code)     11. Sec. T, R. M.			Other:		0		OIL CON	S.C	DIV DIST.	7. Unit of	r CA Agreem 1-135216	A A A A A A A A A A A A A A A A A A A	
3. Address   Ba. Phone No. (Include area/code)   9. APUR No. 390-484-38813     4. Location of Well (Report location clearly and in accordance with Federal requirements) *   9. APUR No. 390-484-38813     Atsurface   Bill: 1835 PSL & 624* FEL See 14 733N R9W Unit: 1   ECONFIDENTIAL     BIIL: 1835 PSL & 624* FEL See 14 733N R9W Unit: 1   ECONFIDENTIAL   11. Sec. T.R. M. on Biolck and status of the second and	2. Name of O WPX Ener	perator gy Productio	on, LLC				DEC	2	2 2017	8. Lease Name and Well No. W Lybrook Unit 716H			
4. Location of Well (Report location clearly and in accordance with Federal requirement) *   10. Federal Total Total Control State Stat	3. Address PO Box 64	0 Azteo	. NM 87	410		3a. Phone N 505-333-18	No. <i>(Include ar</i> 16	ea coi	de)	9. API Well No. 30-045-35813			
At ardice   SHE. 1837 FSL & GAY FEL. See 14 T23N P3W Unit: I   CONFIDENTIAL   The Sec. T. R. N, one Block and the 23N P3W Let IT 23N P3W Unit: L     At top prod. interval reported below At total depth   Io. Date Southed   Io. Date Completed 11/4/17   Io. Date Southed   Io. Date Southed   Io. Date Southed   NM     Id. Date Southed   IS. Date TD. Reached   Io. Date Completed 11/4/17   Io. Date Southed   Io. Date Completed 11/4/17   Io. Date Southed   NM     Id. Date Completed ID/4/17   Ig. 19/10/7   Io. Date Completed 11/4/17   Io. Date Southed   No.   Yes (Submit analysis)     Id. Date Completed ID/4/17   Ig. 19/10/7   Io. Date Completed ID/4/17   Io. Date Southed   No.   Yes (Submit analysis)     Id. Date Southed Southed Southed Southed Core Part Southed Southe	4. Location of	f Well (Report loca	ation clearl	y and in accord	dance with Federa	al requirements) *				10. Field and Pool or Exploratory			
SHI: 183° FSL & 624° FEL Sec 14 T23N R9W Unit: 1 BHI: 163° FSL & 335° FWL Sec 11 T23N R9W Unit: 1 HI: 50° FSL & 335° FWL Sec 11 T23N R9W Unit: 1 HI: 50° FSL & 335° FWL Sec 11 T23N R9W Unit: 1 HI: 50° FSL & 335° FWL Sec 11 T23N R9W Unit: 1 HI: 50° FSL & 335° FWL Sec 11 T23N R9W Unit: 1 HI: 50° FSL & 335° FWL Sec 11 T23N R9W Unit: 1 HI: 50° FSL & 335° FWL Sec 11 T23N R9W Unit: 1 HI: 50° FSL & 50° FSL Sec 11 T23N R9W Unit: 1 HI: 50° FSL & 50° FSL Sec 11 T23N R9W Unit: 1 HI: 50° FSL Sec 11 T23N R9W Unit: 1 H: 50° FSL Sec 11	At surface						DENT	11		11. Sec.,	T., R., M., or	n Block and	
BHL: 1502* FSL: & 335* FWL See II T23N R9W Unit: L   Image: Common Parish Billing Parish State Spadded Sp	SHL: 1835'	FSL & 624' FEL	Sec 14 T23	N R9W Unit	I	CUNF	ILENI	IH	L	Surve	y or Area		
At top prod. interval reported below. At total depth   16. Date Completed 11/14/17   17. Elevations (DF, RKB, RT, GL)*     16. Date Spudid   97/017   19. Plag Back T.D:   11882' MUD   10. At [] Ready to Prod.     21. Type Electric & Other Mechanical Logs Run (Submit copy of each)   21. Start MD   21. Uppet Bridge Plag Set: MD   TVD     21. Type Electric & Other Mechanical Logs Run (Submit copy of each)   22. Wes well cored?   Mon. □ 'es (Submit nanbysis)     Yun 2015   UNITED STATES     23. Casing and Liner Record (Report all strings set in well)   Insertional Survey?   No. □ 'es (Submit copy)     Heis Size/Grade   Wt. (#b)   19. Plag At the String set in well?     Heis Size/Grade   Wt. (#b)   19. Plag Mon (MD)   Stage Comparison   String Plag Set (MD)   Comeant Top*   Amount Palled     12.4/#   9.5/8/.15.5   26   0   321'   10.1   16.0   Mon or String Record     24. Tribing Record   3.4/4'   7'.15.5   28   0   19.0'   Size   Depth Set (MD)   Packer Depth (MD)     50.0 CS & String Record   19.0'   Size   Depth Set (MD)   Size   Depth Set (MD)   Packer Depth (MD)     29.1 Fubing Record   19.0' <td>BHL: 1562'</td> <td>FSL &amp; 335' FWI</td> <td>L Sec 11 T2</td> <td>23N R9W Uni</td> <td>t: L</td> <td>0011</td> <td></td> <td></td> <td></td> <td>12. Coun San Jua</td> <td>ty or Parish</td> <td>13. State NM</td>	BHL: 1562'	FSL & 335' FWI	L Sec 11 T2	23N R9W Uni	t: L	0011				12. Coun San Jua	ty or Parish	13. State NM	
14. Date Spudded   15. Date TD. Reached   16. Date Completed 11/41/7   17. Elevations (DF, RKB, RT, GL)*     18. Total Depti:   11941' MD   19. Plug Back TD::   11933' MD   20. Depti Bridge Plug St:   MD     21. Type Electric & Other Mechanical Logs Run (Submit copy of each)   22. Was well cored?   21. Was well cored?   22. Was well cored?   23. Casing and Liner Record (Report all string set in well)   11. Was (Submit copy)   21. Was (Submit copy)   22. Was (Submit copy)   21. Was (Submit copy)   21. Was (Submit copy)   21. Was (Submit copy)   23. Casing and Liner Record (Report all string set in well)   162. Surface   31. Submit Copy)   32. Submit Copy)   22. Was (Submit copy)   23. Submit Copy)   23. Submit Copy)   23. Submit Copy	At top prod. in	nterval reported be	elow At tota	al depth									
18. Total Dept:     19. Plug Back T.D.:     1183? MD 4814 TVD     20. Depth Bridge Plug Set     MD TVD       21. Type Electric & Other Mechanical Logs Run (Submit copy of each)     20. Main Set (Submit copy of each)     20. Main Set (Submit copy of each)     20. Was well cored?     20. Mo     Yes (Submit analysis)       21. Type Electric & Other Mechanical Logs Run (Submit copy of each)     21. Was well cored?     20. Mo     Yes (Submit analysis)       22. Was well cored?     20. Mo     Yes (Submit analysis)     Was DST run?     20. Mo     Yes (Submit analysis)       23. Casing and Liner Record (Report all strings set in well)     Inter Record (Report all strings set in well)       24. Tubing Record     Size     Dept Set (MD)     Packer Dept (MD)     Size     Dept Set (MD)     Packer Dept (MD)       25. Producing Intervals     26. Perforation Record     Size     Dept Set (MD)     Packer Dept (MD)     Size     Mono 32 <sup>10</sup> Intervals     Dept Set (MD)     Packer Dept (MD)     Size     Mono 32 <sup>10</sup> Intervals     Dept Set (MD)     Packer Dept (MD)     Size     Mono 32 <sup>10</sup> Inter Record	14. Date Spuc 4/11/17	lded	15. Dat 9/10/17	e T.D. Reache	1	16. Date Comp	leted 11/14/17	to Pr	od.	17. Eleva 6719'	tions (DF, R	KB, RT, GL)*	
48.14' TVD     TVD     TVD       21. Type Electric & Other Mechanical Logs Run (Submit copy of each)     22. Was well cored?     Mono     Yes (Submit analysis)       21. Type Electric & Other Mechanical Logs Run (Submit copy of each)     22. Was well cored?     Mono     Yes (Submit report)       21. Type Electric & Other Mechanical Logs Run (Submit copy of each)     UNITED STATES     No     Yes (Submit copy)       Form 3160-4 (une 2015)     UNITED STATES     Surgrade     Wei (#h)     Top (MO)     Botom (MD)     Surg-Cement     Degrade     Degrade     Surgrade     Amount Pulled       8-3/4*     7. J-55     36     0     321'     JO1     L62     surface     Surgrade     Amount Pulled       8-3/4*     7. J-55     36     0     321'     JO1     L62     surface     Surgrade     Surgrad	18. 1	otal Depth: 119	41' MD		19. Plug Back T.	D.: 11893' MD	20. Dep	oth Br	ridge Plug Set:	MD			
21. 1/12 Directional Science is contact instantive logic reaction is contact instantive logic reacting reacting reacting reaction is contact instantive logic reacti	21 Type Flec	4814	<b>' TVD</b>	Run (Submit	copy of each)	4814' TVD	22 Wa	s well	cored?	TVD	Ves (Sub	mit analysis)	
Form 3160-4 (june 2015)     UNITED STATES       23. Casing and Liner Record (Report all strings set in well)     Integration (Bit Strings Set in well)     Integration (Bit Strings Set in well)       Hele Size     Size(Grade     WL (Hit)     Top (MD)     Betrom (MD)     Size_Consenter     Size(Strings)     Amount Pulled       12.1/4'     9-5/8', 1/5.5     36     0     221'     HOI     ToG     Wirface       8-3/4'     7', 1-55     20     9400'     955     1527     surface       6-1/8'     4-1/2', P-110     11.6     525'     11940'     630     853     5255'       2-3/8', A/7, IL     52/2'     5097'     26. Perforation Record     Encord     Encord       Size     Dept Set (MD)     Packer Dept (MD)     Size     No. Holes     Perf. Status       Mancos 32 <sup>14</sup> 5419'     11870'     543'-5592'     35     20     Mancos 32 <sup>14</sup> Mancos 32 <sup>14</sup> 35     20     Mancos 32 <sup>14</sup> Mancos 32 <sup>14</sup> 35     20     Mancos 32 <sup>14</sup> 35     20     Mancos 32 <sup>14</sup> 35     20     Mancos 32 <sup>14</sup>	21. Type Liee		lanoa Log.	run (Suonne	copy of each)		Wa Dir	s DST ection	Trun? nal Survey?	⊠No □No	☐ Yes (Sub	mit report) mit copy)	
Hole Size     Size/Grade     Wt. (#ft)     Top (MD)     Botton (MD)     Stage Cementer Dept     No. of Sizeet. Stage Concernent Dept     Stage Concernent Size     Dept Set (MD)     Packer Dept (MD)     Size     Dept Set (MD)     Packer Dept (MD)     Packer Dept (MD)     Size     Dept Set (MD)     Packer Dept (MD)     Packer Dept (MD)     Size     Dept Set (MD)     Packer Dept (MD)     Packer Dept (MD)     Size     Dept Set (MD)     Packer Dept (MD)     Packer Dept (MD)     Size     Dept Set (MD)     Size     Dept Set (MD)     Packer Dept (MD)     Size     Dept Set (MD)     Size     Dept Set (MD)     Size     Dept Set (MD)     Size     Size     <	Form 3160-4 (June 2015) 23. Casing and	l I Liner Record <i>(Re</i>	eport all stri	UN UN	TED STATES	5							
12:1/4"     19:5/8", 1-55     36     0     321'     101     162     surface       8:3/4"     7", 1-55     23     0     \$400'     955     1527     surface       6:1/8"     4:1/2", P-110     11.6     \$255'     11940'     630     853     \$255'       24. Tubing Record	Hole Size	Size/Grade	Wt. (#ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. Type of Cem	& ent	Slurry Vol. (BBL)	Cen	nent Top*	Amount Pulled	
8-3/4"   7", 1-55   23   0   \$400'   \$955   \$1527   surface     6-1/8"   4-1/2", P-110   11.6   \$255'   11940'   630   \$853   \$255'     24. Tubing Record	12-1/4"	9-5/8", J-55	36	0	321'		101		162	surface	9		
4-1/2*, P-110   P1-0   P3-0   P3-0   P3-0   P3-0     24. Tubing Record   Size   Depth Set (MD)   Size   Depth Set (MD)   Packer Depth (MD)     2-3/8*,47.H,L   5229'   5097'   S097'   Depth Set (MD)   Size   Depth Set (MD)   Packer Depth (MD)     2-3/8*,47.H,L   5229'   5097'   Dotom   Perforation Record   Size   No. Holes   Perf. Status     25. Producing Intervals   26. Perforation Record   Size   No. Holes   Perf. Status     Mancos 32 <sup>mat</sup> 5419'   11870'   5419'-5576'   .35   20     Mancos 29th   6643'-6200'   .35   20   Perf. Status     Mancos 29th   6643'-6200'   .35   20   Perf. Mancos     Mancos 25th   6687'-6584'   .35   20   Perf. Mancos     Mancos 23 <sup>mat</sup> 7291'-7448'   .35   20   Perf. Mancos     Mancos 23 <sup>mat</sup> 7291'-7448'   .35   20   Perf. Mancos     Mancos 21 <sup>mat</sup> 7291'-7448'   .35   20   Perf. Mancos     Mancos 21 <sup>mat</sup> 7291'-7448'   .35   20	8-3/4"	7", J-55	23	0	5400'		955		1527	surface	5		
24. Tubing Record     Size     Dept Set (MD)     Packer Dept (MD)     Size     Depth Set (MD)     Packer Depth (MD)       2-3/8*, 4.7#, L- 30 EUE 8rd     5097'     26. Perforation Record     Size     No. Holes     Perf. Status       25. Producing Intervals     26. Perforation Record     Size     No. Holes     Perf. Status       Mancos 32 <sup>nd</sup> 5419'     11870'     5419'-5576'     .35     20       Mancos 31 <sup>nd</sup> 5627'-5784'     .35     20     Perf. Status     Perf. Status       Mancos 20 <sup>th</sup> 6643'-6200'     .35     20     Perf. Status     Perf. Status       Mancos 20 <sup>th</sup> 6643'-6200'     .35     20     Perf. Status     Perf. Status       Mancos 20 <sup>th</sup> 6643'-6616'     .35     20     Perf. Status     Perf. Status       Mancos 20 <sup>th</sup> 6667'-6824'     .35     20     Perf. Status     Perf. Status       Mancos 20 <sup>th</sup> 6667'-6824'     .35     20     Perf. Status     Perf. Status       Mancos 20 <sup>th</sup> 7499'-7656'     .35     20     Perf. Status     Perf. Status	6-1/8	4-1/2", P-110	11.0	5255	11940		050		033	5255			
Dept Set (MD)     Packer Dept (MD)     Size     Dept Set (MD)     Packer Dept (MD)     Size     Depth (MD)     Size     Depth (MD)     Size     Depth (MD)     Packer Depth (MD)     Size     Depth (MD)     Size     Depth (MD)     Packer Depth (MD)     Size     Depth Set (MD)     Packer Depth (MD)       25. Producing Intervals     Top     Bottom     Perforation Record     Size     No. Holes     Perf. Status       Mancos 31 <sup>ad</sup> 5419'     11870'     5419'-5757'     .35     20     Mancos 20 <sup>b</sup> Macos 32 <sup>ad</sup> Size     No. Holes     Perf. Status       Mancos 20 <sup>bh</sup> 6043'-6200'     .35     20     Macos 32 <sup>ad</sup> G20     Macos 32 <sup>ad</sup> G20     Macos 32 <sup>ad</sup> G20     Macos 32 <sup>ad</sup> G20	24 Tubing	Record											
2-3/8*,4.7#,1-   52.29'   5097'     25. Producing Intervals   26. Perforation Record     Formation   Top   Bottom   Perforated Interval   Size   No. Holes   Perf. Status     Mancos 32 <sup>nd</sup> 5419'   11870'   5419'-5576'   .35   20     Mancos 31 <sup>nd</sup> 6627'-5784'   .35   20     Mancos 29th   6043'-6200'   .35   20     Mancos 28th   6251'-6408'   .35   20     Mancos 27th   6459'-6616'   .35   20     Mancos 27th   66667'-6824'   .35   20     Mancos 27th   6680'-7032'   .35   20     Mancos 24th   7083'-7240'   .35   20     Mancos 23 <sup>ad</sup> 729'-7448'   .35   20     Mancos 23 <sup>ad</sup> 749'-7566'   .35   20     Mancos 21 <sup>ad</sup> 7499'-7656'   .35   20     Mancos 21 <sup>ad</sup> 7499'-7656'   .35   20     Mancos 21 <sup>ad</sup> 7499'-7656'   .35   20     Mancos 19th   8123'-8280'   .35   20     Mancos 19th   8123'-8280'	Size	Dept Set (MD)	Packer	r Dept (MD)	Size	Depth Set (MD)	Packer Depth (	(MD)	Size	D	epth Set (MD)	Packer Depth (MD)	
25. Producing Intervals     26. Perforation Record     Size     No. Holes     Perf. Status       Mancos 32 <sup>nd</sup> 5419'     11870'     5419'.5576'     .35     20       Mancos 31 <sup>li</sup> 5627'.5784'     .35     20     Ancos 31 <sup>li</sup> Size     No. Holes     Perf. Status       Mancos 31 <sup>li</sup> 5627'.5784'     .35     20     Ancos 31 <sup>li</sup> Size     No. Holes     Perf. Status       Mancos 28th     6043'.6200'     .35     20     Ancos 32 <sup>li</sup> Ancos 20     Ancos 20     Ancos 32 <sup>li</sup> Ancos 20     Ancos 10	2-3/8",4.7#,I 80 EUE 8rd	- 5229'	5097'										
Formation     Top     Bottom     Perforded Interval     Size     No. Holes     Perf. Status       Mancos 32 <sup>nd</sup> 5419'     11870'     5419'5576'     .35     20       Mancos 31 <sup>si</sup> 5627'-5784'     .35     20       Mancos 30th     6043'-5592'     .35     20       Mancos 30th     6043'-6200'     .35     20       Mancos 28th     6251'-6408'     .35     20       Mancos 27th     6459'-6616'     .35     20       Mancos 26th     66667'-6824'     .35     20       Mancos 23 <sup>rd</sup> 7291'-7448'     .35     20       Mancos 23 <sup>rd</sup> 7291'-7448'     .35     20       Mancos 21 <sup>rd</sup> 7499'-7656'     .35     20       Mancos 21 <sup>rd</sup> 7107'-7864'     .35     20       Mancos 19 <sup>rh</sup> 8123'-8280'     .35     20       Mancos 19 <sup>rh</sup> 8123'-8280'     .35     20       Mancos 19 <sup>rh</sup> 8123'-8280'     .35     20       Mancos 18 <sup>rh</sup> 8331'-8488'     .35     20	25. Producin	ig Intervals				26. Perforation R	ecord						
Marcos 31 <sup>a</sup> 11870   5427 5784'   35   20     Marcos 31 <sup>a</sup> 5627'-5784'   35   20     Marcos 30th   6643'-6200'   35   20     Marcos 28th   6643'-6200'   35   20     Marcos 28th   6251'-6408'   35   20     Marcos 28th   6667'-6824'   35   20     Marcos 26th   6667'-6824'   35   20     Marcos 25th   6880'-7032'   35   20     Marcos 23rd   7291'-7448'   35   20     Marcos 22rd   7499'-7656'   35   20     Marcos 21 <sup>a</sup> 7707'-7864'   35   20     Marcos 21 <sup>a</sup> 7707'-7864'   35   20     Marcos 19 <sup>th</sup> 8123'-8280'   35   20     Marcos 19 <sup>th</sup> 8123'-8280'   35   20     Marcos 17 <sup>th</sup> 8331'-8488'   35   20     Marcos 16 <sup>th</sup> 8539'-6966'   35   20     Marcos 16 <sup>th</sup> 855'-9112'   35   20     Marcos 16 <sup>th</sup> 9163'-9320'   35   20     Marcos 16 <sup>th</sup>	Mancos 32nd	Formation		Top	Bottom	Perforated I	Interval	25	Size	No. Holes		Perf. Status	
Mancos 30th   5835'-5992'   .35   20     Mancos 29th   6043'-6200'   .35   20     Mancos 28th   6251'-6408'   .35   20     Mancos 27th   6459'-6616'   .35   20     Mancos 26th   6667'-6824'   .35   20     Mancos 26th   6667'-6824'   .35   20     Mancos 25th   6880'-7032'   .35   20     Mancos 23th   7083'-7240'   .35   20     Mancos 23th   7083'-7240'   .35   20     Mancos 23th   799'-7656'   .35   20     Mancos 21th   707'-7864'   .35   20     Mancos 20th   7915'-8072'   .35   20     Mancos 19th   8123'-8280'   .35   20     Mancos 19th   8123'-8280'   .35   20     Mancos 19th   8123'-8488'   .35   20     Mancos 19th   8331'-8488'   .35   20     Mancos 18th   8359'-8696'   .35   20     Mancos 16th   Y   874'-8904'   .35   20     Mancos 15th	Mancos 31 <sup>st</sup>			5419	11870	5627'-5784'		.33	20	) 	_		
Mancos 29th   6043'-6200'   35   20     Mancos 28th   6251'-6408'   35   20     Mancos 27th   6459'-6616'   35   20     Mancos 26th   6667'-6824'   35   20     Mancos 26th   6880'-7032'   35   20     Mancos 25th   6880'-7032'   35   20     Mancos 23th   7083'-7240'   35   20     Mancos 23th   7291'-7448'   35   20     Mancos 22th   7499'-7656'   .35   20     Mancos 22th   7499'-7656'   .35   20     Mancos 20th   7915'-8072'   .35   20     Mancos 19th   8123'-8280'   .35   20     Mancos 19th   8123'-8280'   .35   20     Mancos 18th   8331'-8488'   .35   20     Mancos 18th   8331'-8488'   .35   20     Mancos 16th   Image: 839'-8696'   .35   20     Mancos 16th   Image: 839'-8912'   .35   20     Mancos 15th   8955'-9112'   .35   20     Mancos 15th   9163	Mancos 30th	1				5835'-5992'		.35	20	A	CEPTER	FOR RECORD	
Mancos 28th   6251'-6408'   35   20     Mancos 27th   6459'-6616'   35   20     Mancos 26th   6667'-6824'   35   20     Mancos 25th   6880'-7032'   35   20     Mancos 24th   7083'-7240'   35   20     Mancos 23 <sup>rd</sup> 7291'-7448'   35   20     Mancos 22 <sup>nd</sup> 7499'-7656'   35   20     Mancos 21 <sup>nd</sup> 7707'-7864'   35   20     Mancos 21 <sup>nd</sup> 7915'-8072'   35   20     Mancos 19th   8123'-8280'   35   20     Mancos 19th   8331'-8488'   35   20     Mancos 17th   8539'-8696'   35   20     Mancos 16th   Image: 8955'-9112'   35   20     Mancos 15th   8955'-9112'   35   20     Mancos 14th   9163'-9320'   35   20	Mancos 29th	1	15. (5)			6043'-6200'		.35	20	)	_		
Mancos 27th   6459'-6616'   .35   20     Mancos 26th   6667'-6824'   .35   20     Mancos 25th   6880'-7032'   .35   20     Mancos 24th   7083'-7240'   .35   20     Mancos 23rd   7291'-7448'   .35   20     Mancos 23rd   7499'-7656'   .35   20     Mancos 21st   7707'-7864'   .35   20     Mancos 20th   7915'-8072'   .35   20     Mancos 19th   8123'-8280'   .35   20     Mancos 18th   8331'-8488'   .35   20     Mancos 16th     8739'-8696'   .35   20     Mancos 15th   8955'-9112'   .35   20	Mancos 28th	1				6251'-6408'		.35	20	)	DEC	1 8, 2017	
Mancos 26th   6667'-6824'   .35   20     Mancos 25th   6880'-7032'   .35   20     Mancos 24th   7083'-7240'   .35   20     Mancos 23rd   7291'-7448'   .35   20     Mancos 23rd   7499'-7656'   .35   20     Mancos 21rd   7707'-7864'   .35   20     Mancos 20th   7915'-8072'   .35   20     Mancos 19th   8123'-8280'   .35   20     Mancos 18th   8331'-8488'   .35   20     Mancos 16th   MMOCD   8539'-8696'   .35   20     Mancos 15th   8955'-9112'   .35   20	Mancos 27th	1				6459'-6616'		.35	20	F	ARMINGTO	ADDEFICE	
Mancos 25th   6880'-7032'   .35   20     Mancos 24th   7083'-7240'   .35   20     Mancos 23rd   7291'-7448'   .35   20     Mancos 23rd   7499'-7656'   .35   20     Mancos 21rd   7499'-7656'   .35   20     Mancos 21rd   7707'-7864'   .35   20     Mancos 20th   7915'-8072'   .35   20     Mancos 19th   8123'-8280'   .35   20     Mancos 18th   8331'-8488'   .35   20     Mancos 17th   8539'-8696'   .35   20     Mancos 16th   Marcos 15th   8955'-9112'   .35   20     Mancos 14th   9163'-9320'   .35   20   5	Mancos 26th	1				6667'-6824'		.35	20	F	#		
Mancos 24th   7083'-7240'   .35   20     Mancos 23 <sup>rd</sup> 7291'-7448'   .35   20     Mancos 22 <sup>nd</sup> 7499'-7656'   .35   20     Mancos 21 <sup>st</sup> 7707'-7864'   .35   20     Mancos 20th   7915'-8072'   .35   20     Mancos 19th   8123'-8280'   .35   20     Mancos 18th   8331'-8488'   .35   20     Mancos 17th   8539'-8696'   .35   20     Mancos 16th    8747'-8904'   .35   20     Mancos 15th   8955'-9112'   .35   20      Mancos 14th   9163'-9320'   .35   20	Mancos 25th					6880'-7032'		.35	20				
Mancos 23 <sup>sc</sup> 7291'-7448'   .35   20     Mancos 22 <sup>nd</sup> 7499'-7656'   .35   20     Mancos 21 <sup>st</sup> 7707'-7864'   .35   20     Mancos 20th   7915'-8072'   .35   20     Mancos 19th   8123'-8280'   .35   20     Mancos 18th   8331'-8488'   .35   20     Mancos 17th   8539'-8696'   .35   20     Mancos 16th    8747'-8904'   .35   20     Mancos 15th   8955'-9112'   .35   20      Mancos 14th   9163'-9320'   .35   20	Mancos 24th					7083'-7240'		.35	20		_		
Mancos 21st   7707'-7864'   .35   20     Mancos 20th   7915'-8072'   .35   20     Mancos 19th   8123'-8280'   .35   20     Mancos 19th   8331'-8488'   .35   20     Mancos 18th   8331'-8488'   .35   20     Mancos 17th   NMOCD   8539'-8696'   .35   20     Mancos 16th   Image: Second secon	Manage 22nd					7291-7448		.35	20		_		
Mancos 21   1   1/10/17004   .35   20     Mancos 20th   7915'-8072'   .35   20     Mancos 19th   8123'-8280'   .35   20     Mancos 18th   8331'-8488'   .35   20     Mancos 18th   8331'-8488'   .35   20     Mancos 17th   8539'-8696'   .35   20     Mancos 16th   Image: Second secon	Mancos 21 <sup>st</sup>					7499 - 7050		.35	20				
Mancos 19th 8123'-8280' .55 20   Mancos 18th 8331'-8488' .35 20   Mancos 18th 8331'-8488' .35 20   Mancos 17th 8539'-8696' .35 20   Mancos 16th Image: State of the state	Mancos 20th			_		7915'-2072'		.35	20		-		
Mancos 18th NMOCD 8331'-8488' .35 20   Mancos 17th NMOCD 8539'-8696' .35 20   Mancos 16th Image: State	Mancos 19th					8123'-8280'		25	20				
Mancos 17th     NMOCD     8539'-8696'     .35     20       Mancos 16th     Image: State of the	Mancos 18th	1				8331'-8488'		35	20				
Mancos 16th     No. 100     1.55     20       Mancos 16th     No. 100     8747'-8904'     .35     20       Mancos 15th     8955'-9112'     .35     20       Mancos 14th     9163'-9320'     .35     20	Mancos 17th				NMOCD	8539'-8696'		35	20				
Mancos 15th     8955'-9112'     .35     20       Mancos 14th     9163'-9320'     .35     20     >	Mancos 16th				A	8747'-8904'		35	20				
Mancos 14th 9163'-9320' .35 20 20	Mancos 15th					8955'-9112'		35	20	32			
	Mancos 14th					9163'-9320'		.35	20			2	

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Mancos 13th	9371'-9528'	.35	20	
Mancos 12th	9579'-9736'	.35	20	
Mancos 11th	9787'-9944'	.35	20	
Mancos 10th	9995'-10152'	.35	20	
Mancos 9 <sup>th</sup>	10203'-10360'	.35	20	
Mancos 8 <sup>th</sup>	10411'-10568'	.35	20	
Mancos 7 <sup>th</sup>	10619'-10776'	.35	20	
Mancos 6 <sup>th</sup>	10827'-10984'	.35	20	
Mancos 5 <sup>th</sup>	11035'-11192'	.35	20	
Mancos 4 <sup>th</sup>	11243'-11400'	.35	20	
Mancos 3 <sup>rd</sup>	11451'-11608'	.35	20	
Mancos 2 <sup>nd</sup>	11659'-11816'	.35	20	
Mancos 1 <sup>et</sup>	11866'-11870'	.35	8	

## 27. Acid, Fracture, Treatment, Cement Squeeze, Post hydraulic fracturing chemical disclosures on FracFocus.org

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Depth Interval	Amount, Type of Material and Date of Chemical Disclosure upload on FracFocus.org
5419'-5576'	32 <sup>nd</sup> stage with 204800#, 20/40 PSA Sand
5627'-5784'	31st stage with 204100#, 20/40 PSA Sand
5835'-5992'	30 <sup>th</sup> stage with 203500#, 20/40 PSA Sand
6043'-6200'	29 <sup>th</sup> stage with 205500#, 20/40 PSA Sand
6251'-6408'	28 <sup>th</sup> stage with 204300#, 20/40 PSA Sand
6459'-6616'	27 <sup>th</sup> stage with 206500#, 20/40 PSA Sand
6667'-6824'	26 <sup>th</sup> stage with 204300#, 20/40 PSA Sand
6880'-7032'	25 <sup>th</sup> stage with 204600#, 20/40 PSA Sand
7083'-7240'	24 <sup>th</sup> stage with 204900#, 20/40 PSA Sand
7291'-7448'	23 <sup>rd</sup> stage with 205000#, 20/40 PSA Sand
7499'-7656'	22 <sup>nd</sup> stage with 205000#, 20/40 PSA Sand
7707'-7864'	21 <sup>st</sup> stage with 205000#, 20/40 PSA Sand
7915'-8072'	20 <sup>th</sup> stage with 205000#, 20/40 PSA Sand
8123'-8280'	19 <sup>th</sup> stage with 205000#, 20/40 PSA Sand
8331'-8488'	18 <sup>th</sup> stage with 205000#, 20/40 PSA Sand
8539'-8696'	17 <sup>th</sup> stage with 205000#, 20/40 PSA Sand
8747'-8904'	16 <sup>th</sup> stage with 205200#, 20/40 PSA Sand
8955'-9112'	15 <sup>th</sup> stage with 204900#, 20/40 PSA Sand
9163'-9320'	14 <sup>th</sup> stage with 205500#, 20/40 PSA Sand
9371'-9528'	13 <sup>th</sup> stage with 206000#, 20/40 PSA Sand
9579'-9736'	12 <sup>th</sup> stage with 205400#, 20/40 PSA Sand
9787'-9944'	11 <sup>th</sup> stage with 205400#, 20/40 PSA Sand
9995'-10152'	10 <sup>th</sup> stage with 205000#, 20/40 PSA Sand
10203'-10360'	9 <sup>th</sup> stage with 205000#, 20/40 PSA Sand
10411'-10568'	8 <sup>th</sup> stage with 205000#, 20/40 PSA Sand
10619'-10776'	7 <sup>th</sup> stage with 204900#, 20/40 PSA Sand
10827'-10984'	6 <sup>th</sup> stage with 206200#, 20/40 PSA Sand
11035'-11192'	5 <sup>th</sup> stage with 205000#, 20/40 PSA Sand
11243'-11400'	4 <sup>th</sup> stage with 205000#, 20/40 PSA Sand
11451'-11608'	3 <sup>rd</sup> stage with 205200#, 20/40 PSA Sand
11659'-11816'	2 <sup>nd</sup> stage with 205000#, 20/40 PSA Sand
11866'-11870'	1st stage with 60000 # 20/40 PSA Sand

28.Production - Interval A												
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method			
11/25/17	11/25/17	24 hr		1243	1356	474	COIL AFI.	Giavity	riowing			
				0.1			0. 10.1		<u> </u>			
Choke	Tbg.	Csg.	24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status				
Size	Press.	Press.	Rate	BBL	MCF	BBL	Ratio	PR				
40/64″	Flwg.	657										
	525											

			$\rightarrow$							
28a. Prod	uction - Inte	rval B	1	101						
Date First Produced	Test Date	Hours Tested	Production	BBL	Gas MCF	BBL	Corr. API.	Gas Gravity	Production Method	
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	15	
*(See inst	ructions and	spaces for	additional da	ita on pa	ge 2)		1	1		
28b. Prod	uction - Inte	rval C	. <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. Prod	uction - Inter	val D							<u> </u>	
Date First Produced	Test Date	Hours Tested	Production	BBL	Gas MCF	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		
28 Disno	sition of Gas	(Solid use	d for fuel ye	nted etc	.)					, <u></u>
20. 0.000			<u></u>		~					
Show a includi recover	all important ng depth inte ries.	zones of po rval tested,	rosity and co cushion used	ntents the	ereof: Cored i ol open, fl	ntervals and all and shut-ir	drill-stem tests, n pressures and			1
Form	ation	Top Bottom		1	Des	scriptions, Con	tents, etc.	Name Top Meas. Depth		
010	ALAMO	42	3 423							
KIR	TLAND	57	2 571							
PICTU	RED CLIFFS	105	4 1049	•						
L	EWIS	125	5 1246	5						
Cł	IACRA	149	1476	5						
CLIF	F HOUSE	260	4 2550	<u> </u>						
Mi	INEFEE	264	3 2587	<u>'</u>						
POINT	LOOKOUT	358	6 3501							
M	ANCOS	377	0 3680	<u> </u>						
G	ALLUP	412	0 4022	2						
								<u> </u>		
32. Additi	onal remarks	(include p	lugging proc	edure).						
33. Indica	te which iten	ns have bee	n attached by	y placing	g a check in th	ne appropriate	boxes:			
Electrical/Mechanical Logs (1 full set req'd.)						eologic Report	DST Report	t	Directional Survey	
□Sun	dry Notice for	plugging and	d cement verifi	cation	□c	ore Analysis	Other:			
34. I heret	by certify that	t the forego	oing and attac	ched info	ormation is co	mplete and co	rrect as determined	from all availat	ble records (see attached instruc	ctions) *
N	ame (please)	print) <u>Lac</u>	ey Granillo	<u>a</u>			Title Permit Tech	III		
Si	gnature <u>D</u>	<u>u</u>	1000	$\geq$	<u>\</u>		Date 12/13/17			
			$\langle$	D	,					
			•							