District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico

Energy, Minerals & Natural Resource HOBBS OCD

Oil Conservation Division

Submit one copy to appropriate District Office

OCT 1 0 2017

Form C-104

Revised August 1, 2011

District IV 1220 S. St. Fran	ncis Dr., Santa F	Fe. NM 87	7505		20 South St.		r.	OCT	0 2011		AMENDED REPORT	
1220 5. 50 110					Santa Fe, N L OWABLE		ГНО	RIZREC	HXE	RANS	PORT	
¹ Operator N	Name and Ad		LOT FO	I ALI	OWADLE	ANDAU	1110	² OGRID Nun		IVALID	IORI	
	roduction Ll		*					3 p. 6 r		217955		
	. Main Stree NM 88210							³ Reason for F	iling Co	ode/ Effec NW	ctive Date	
⁴ API Numb	er		Name						⁶ Po	ol Code		
30 - 025-4		9.5			5 G-06 S25320	06M; Bone S	pring	<u> </u>	0 ***		97899	
⁷ Property C	ode 143	° Prop	perty Nam	ie	Windward	Federal) We	ell Numbe	5H	
	rface Locat	tion			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
Ul or lot no.		wnship	Range	Lot Idn				Feet from the		Vest line	County	
11 D.	ttom Hole	24S	32E		210	North		530	V	est	Lea	
Ul or lot no.		wnship	Range	Lot Idn	Feet from the	North/South	Line	Feet from the	East/V	Vest line	County	
4		24S	32E		63	South		335		est	Lea	
12 Lse Code	13 Producing I Code		¹⁴ Gas Co Da		¹⁵ C-129 Peri	mit Number	¹⁶ (C-129 Effective l	Date	¹⁷ C-12	29 Expiration Date	
F	F		8/22									
	and Gas Tr	ranspor	rters		10						20. 0. 10. 10.	
18 Transpor OGRID	ter				¹⁹ Transpor and Ad						²⁰ O/G/W	
											0	
				Alpl	ha Crude Cor	nnector Pipe	line					
											C	
					Lucid E	nergy					G	
					Duciu I	aner gy						
										975.50		
IV Wal	l Completio	on Dote										
21 Spud Da		Ready			²³ TD	²⁴ PBTI)	²⁵ Perforat	ions		²⁶ DHC, MC	
11/15/10		8/20/1			19260'	19125'		9427-191	05'			
²⁷ He	ole Size		²⁸ Casing	& Tubin	ng Size	²⁹ De	pth Se	et		30 Sack	as Cement	
17	1/2"		1	3 3/8"		8	06'			1	000	
12	1/4"			9 5/8"		14	555'		1475			
12	1/4		-	3/0			333		14/5			
8	3/4"			5 1/2"		19	225'			3	650	
			A.	. = :0.11		-						
			-	2 7/8"		87	773'					
	Test Data	D. II	D /	33 m	D (D)	34 00 4	¥ 4	35 783	D		36 C P	
³¹ Date New 8/21/17		8/22/1	-		Test Date 8/22/17	³⁴ Test 24		n 30 Tb	g. Press 500#	ure	³⁶ Csg. Pressure	
37 Choke S		³⁸ Oil			Water	40 (41 Test Method	
Choke S	ize	108			2522	74					Flowing	
⁴² I hereby cer	tify that the ru	ules of the	e Oil Cons	ervation	Division have			OIL CONSERV	ATION	DIVISIO	N I	
been complied	with and that	the info	rmation gi	ven above				OIL CONSERV	Allon	DIVISIO		
Signature.	e best of my k	cnowledg	e and belie	ef.		Approved by:						
1860		an	W.					Lua	13			
Printed name: Stormi Day	ic					Title:	-					
Title:	19					Approval Date);	0/.	/			
Regulatory							10	0/14/	17			
E-mail Address sdavis@con										nding rec	ceipt of approved	
					ll l				n nel	י מיוועו		
Date: 10/5/17			one: 5-748-69			C-104 TE BLM form	MPO	RARY APPROV	AL per			

Form 3160-5 (June 2015)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Expires: January 31, 2018

5. Lease Serial No.

FORM APPROVED

OMB NO. 1004-0137

	1410	11 410	112030	0

Do not use thi abandoned we	is form for proposals to d II. Use form 3160-3 (APD	drill or to re) for such p	enter an Horoposals.	BBS	6. If Indian, Allottee o	r Tribe Name
SUBMIT IN	TRIPLICATE - Other instr	ructions on	page 2	71 0201	7. If Unit or CA/Agree	ement, Name and/or No.
Type of Well	ner		RE	CEIVE	8. Well Name and No. WINDWARD FED	ERAL 5H
Name of Operator COG PRODUCTION LLC	Contact: S E-Mail: sdavis@con	STORMI DA ncho.com	VIS	LIVE). API Well No. 30-025-43174	
3a. Address 2208 WEST MAIN ARTESIA, NM 88210		3b. Phone No Ph: 575-74	. (include area code) 8-6946		10. Field and Pool or F WILDCAT; BON	Exploratory Area IE SPRING
4. Location of Well (Footage, Sec., T	., R., M., or Survey Description)			*	11. County or Parish,	State
Sec 30 T24S R32E Mer NMP	NWNW 210FNL 530FWL				LEA COUNTY, I	NM
12. CHECK THE A	PPROPRIATE BOX(ES)	TO INDICA	TE NATURE O	F NOTICE,	REPORT, OR OTH	IER DATA
TYPE OF SUBMISSION			TYPE OF	ACTION		
☐ Notice of Intent	☐ Acidize	☐ Dee	pen	☐ Product	ion (Start/Resume)	■ Water Shut-Off
_	☐ Alter Casing	☐ Hyd	raulic Fracturing	☐ Reclam	ation	■ Well Integrity
Subsequent Report	□ Casing Repair	■ Nev	Construction	□ Recomp	olete	Other
☐ Final Abandonment Notice	☐ Change Plans	Plug	and Abandon	□ Tempor	arily Abandon	
	☐ Convert to Injection	Plug	Back	☐ Water I	Disposal	
13. Describe Proposed or Completed Ope If the proposal is to deepen directions Attach the Bond under which the wor following completion of the involved testing has been completed. Final Attach the steen completed. Final Attach the site is ready for final 1/9/17 to 4/4/17 Test csg to 8 test. 5/2/17 to 7/1/17 Ran CBL. To (2816). Acdz w/94,665 gal 7 of fluid. 8/3/17 to 8/6/17 Drilled out Cf 8/7/17 Set 2 7/8" 6.5# L-80 tb 8/20/17 Began flowing back 8	ally or recomplete horizontally, go will be performed or provide the operations. If the operation result and onment Notices must be filed in all inspection. 500# for 30 mins. Good to CC @ 4510'. Set CBP @ 1/2% and 97,313 gal 15%; FP's. Clean down to CBP go @ 8773' & pkr @ 8756'.	give subsurface the Bond No. outs in a multiple donly after all est. Perf 19 19125'. Tes Frac w/19,2	locations and measu in file with BLM/BIA e completion or recorder requirements, including 55-19165' (60). It to 8407#. Perf 06,407# sand &	red and true ve . Required sul mpletion in a r ing reclamation	rtical depths of all pertin osequent reports must be new interval, a Form 3160 n, have been completed a	ent markers and zones. filed within 30 days 0-4 must be filed once
14. I hereby certify that the foregoing is	Electronic Submission #39 For COG PF		LLČ, sent to the	Hobbs	System	
Name (Printed/Typed) STORMI	DAVIS		Title PREPAI	KEK		
Signature (Electronic S	Submission)		Date 10/06/20	017		
	THIS SPACE FO	R FEDERA	L OR STATE	OFFICE U	SE	
_Approved By			Title			Date
Conditions of approval, if any, are attached certify that the applicant holds legal or equivalent would entitle the applicant to conductive th	itable title to those rights in the s		Office			

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional data for EC transaction #391087 that would not fit on the form

32. Additional remarks, continued

8/21/17 Date of first production.

Form 3160-4

UNITED STATES

HOBBS OCO

FORM APPROVED

(August 2007)			DEPAR BUREA	TMENT		IE INT			UC	710	200					004-0137
	WELL (COMPL	ETION C	R RE	COMP	LETIC	N RE	PORT	AND	OG	20/			ase Serial I		
la. Type of	Well 🛛	Oil Well	Gas	Well	☐ Dry		ther				E	5	6. If	Indian, All	ottee or	Tribe Name
b. Type of	Completion	☑ N Othe	lew Well er	☐ Worl	k Over	☐ De	eepen	Plug	Back	☐ Dif	f. Re	svr.	7. Uı	nit or CA A	greeme	ent Name and No.
2. Name of	Operator RODUCTIO	NIIC	F	-Mail: so				DAVIS						ase Name a		
3. Address		ST MAIN					3a.	Phone No. 575-748		e area co	ode)		_	PI Well No		30-025-43174
4. Location	of Well (Re	port locati	ion clearly ar	MР	ordance w	ith Fede							10. F	ield and Po	ool, or I BONE	Exploratory
At top p	rod interval i		10FNL 530	-WL									11. S	ec., T., R., Area Se	M., or	Block and Survey 24S R32E Mer NMF
At total	Sec	31 T245	8 R32E Mer 4 63FSL 33											County or P	arish	13. State NM
14. Date Sp 11/15/2				ate T.D. I /04/2016				□ D &	Complet A 🖸 0/2017	ted Ready t	to Pro	od.	17. E		DF, KE 39 GL	3, RT, GL)*
18. Total D	epth:	MD TVD	19260 9140		19. Plug	Back T	.D.:	MD TVD		9125 152		20. Dep	oth Brid	lge Plug Se		MD 19125 IVD 9152
21. Type El NONE	ectric & Oth	er Mecha	nical Logs R	un (Subn	nit copy o	of each)				W	as D	ell core ST run? onal Su		⋈ No	Yes Yes	(Submit analysis) (Submit analysis) (Submit analysis)
23. Casing an	d Liner Reco	ord (Repo	ort all strings								_					
Hole Size	Size/G	rade	Wt. (#/ft.)	Top (MD		ottom MD)		Cementer epth		of Sks. & of Ceme		Slurry (BB		Cement	Гор*	Amount Pulled
17.500		375 J55	54.5		0	806	_				000				0	
12.250		625 J55	40.0		0	4555	_				475				0	
8.750	5.5	00 P110	17.0		0	19225	_			31	650				4510	
											\dashv					
24. Tubing	Record															
	Depth Set (M		acker Depth		Size	Dept	h Set (N	AD) P	acker De	pth (MD)	Size	De	pth Set (MI	D)	Packer Depth (MD)
2.875		8773		8756		126	Danfana	ation Reco	1							
25. Producir			Т		D . #	_			_		_	C:	Τ,	In III-les		Deef Canton
	BONE SPI	DING	Тор	9427	Bottom 191	_	P	erforated	9427 TO	2 10105	+	Size 0.4		lo. Holes	OPEN	Perf. Status
A) B)	BOINE SFI	KING		3421	191	05			9155 TO		_	0.4	30			R CBP
C)									010010	3 10100			\top		ONDE	
D)																
27. Acid, Fr	acture, Treat	ment, Cer	nent Squeeze	e, Etc.												
I	Depth Interva	ıl						Aı	mount an	d Type o	f Ma	terial				
	942	7 TO 19	105 SEE AT	TACHED												
28. Producti	on - Interval	Δ														
	Test	Hours	Test	Oil	Gas	Ty	Water	Oil Gr	avity	Ga	ıs		Producti	on Method		
Produced	Date 08/22/2017	Tested 24	Production	BBL 108.0	MCF	3.0 E	3BL 2522.	Corr.	API	Gr	avity			FLOW	IS EDO	M WELL
08/21/2017 Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas Gas	_	Vater	Gas:O	il	W	ell Stat	his		FLOV	VS FRU	NVI VVELL
Size		Press.	Rate	BBL 108	MCF		3BL 2522	Ratio		"	PC					
28a. Product	tion - Interva	1 B														
	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF		Vater BBL	Oil Gr Corr.		Ga Gr	s avity		Producti	on Method		

Csg. Press.

24 Hr. Rate

Choke Size

Tbg. Press. Flwg.

SI

Gas MCF

Oil BBL

Gas:Oil Ratio

Well Status

Water BBL

Date First Produced Choke Size	Test Date	Hours	Total	_								
Choke		Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API		Gas Gravity	v	Production Method	
	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio		Well S	tatus		
28c. Produ	ction - Interva	al D										
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API		Gas Gravity	у	Production Method	
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio		Well S	tatus		
29. Disposi	ition of Gas(S	old, used	for fuel, vent	ed, etc.)								
30. Summa	ary of Porous	Zones (In	clude Aquife	rs):						31. For	mation (Log) Markers	
tests, in	all important z acluding depth coveries.	ones of po	orosity and contested, cushic	ontents there on used, time	e of: Cored is tool open,	ntervals and flowing and	l all drill-ster d shut-in pre	m essures				
I	Formation		Тор	Bottom		Description	ons, Content	ts, etc.			Name	Top Meas. Depth
LAMAR BELL CAN CHERRY C BRUSHY C BONE SPR	CANYON	include pl imulation	4601 4626 5541 6871 8471 8471	4625 5540 6870 8470 9248						TO: BO LAM BE: CH BR	STLER S S WAR LL CANYON ERRY CANYON USHY CANYON NE SPRING LM	844 1063 4375 4601 4626 5541 6871 8471
1. Elec	enclosed attac etrical/Mechar dry Notice for	nical Logs				2. Geologic 6. Core An	-			DST Rep	port 4. Direction	nal Survey
34. I hereby	y certify that t	the forego		onic Submi	ssion #3910	97 Verifie	orrect as dete d by the BL N LLC, sen	M Well Ir	nforma		records (see attached instructi	ons):
Name (please print)	STORMI	DAVIS				Ti	itle PREP	ARER	2		
Signatu	ire	(Electron	ic Submissi	on)			Da	ate <u>10/06/</u>	2017			

WINDWARD FEDERAL #5H

	WIND	WARD FEDERAL #	5H		
<u>Perfs</u>	7 1/2% Acid (Gal)	15% Acid (Gal)	Sand (#)	Fluid (Gal)	
1	0	1500	300180	349890	
2	1512	1500	301660	449094	
3	1500	1500	301080	368274	
4	1512	1512	302410	377076	
5	1512	1512	301120	379428	
6	1512	1512	301050	460530	
7	1500	1512	300310	372486	
9	1500 1512	1500 1500	301820 299210	397590 367278	
10	1512	1512	302910	369306	
11	1500	1512	302920	372612	
12	1512	1512	301650	369390	
13	1512	1512	299890	434112	
14	1500	1512	300060	364170	
15	1512	1500	299160	364002	
16	1500	1512	303420	366732	
17	1512	1512	300270	361494	
18	1512	1512	300150	360738	
19	1512	1500	299920	433302	
20	1500	1512	301990	361818	
21 22	1512 1500	1512 1512	276190 299600	349272 359592	
23	1512	1512	302330	360822	
24	1512	1512	300670	372834	
25	1512	1512	301290	365988	
26	1512	1512	302050	363006	
27	1500	1890	290010	381600	
28	1512	1512	300200	415884	
29	1512	1512	300130	373674	_
30	1512	1512	298500	362250	HOBBS OCD OCT 1 0 2017 RECEIVED
31	1512	1512	300110	355572	600
32 33	1512 1512	1512	301690	358176	283
34	1092	1512 1512	298080 300190	353682 365106	400
35	1512	1512	300840	431382	71102
36	1512	1680	302040	355404	OCINED
37	1512	1512	296800	357504	CEIV
38	1512	1512	302800	362166	REC
39	1512	1512	297100	359562	
40	1512	1512	302650		
41	1500	1554	299650	352914	
42	1512	1554	303030 300390	356454	
43 44	1512 1512	1512 1512	301690	481362 353010	
45	1500	1512	301190	365304	
46	1512	1512	300510	350658	
47	1512	1512	306270	357588	
48	1512	1512	296740	428610	
49	1512	1512	300620	350280	
50	1512	1512	299280	354438	
51	1500	1512	301470	355014	
52 53	1512 1512	1512 1512	302050 300050	350154 347718	
54	1512	1512	301600	354060	
55	1512	1512	301710	345240	
56	1512	1512	300270	414120	
57	1500	1512	300030	358752	
58	1512	1512	296650	345282	
59	1500	1512	300640	347790	
60	1512	1512	301030	353010	
61	1512	1512	301080	361410	
62	1512	1512	300120	394506	
63	1512	1512	301010	348474	
64 Totals	94,665	1512 97,313	294940 19,206,470	349776 23,813,408	_
100013	34,003	37,313	13,200,470	23,013,400	

44 Stod8 IstoT	13,180	Plug to Plug Prac Plug	44 storic latoT	13,340	guld of guld guld send	44 storial Shots	13,490	guld of guld guld assid	44 storial Shots	13,650	Plug to Plug Frac Plug	44 Total Shots	841	guld of guld guld as13	
9		13,062	9		13,212	9		13,360	9		313,51	9		13,667	
9	13	13,094	9	16	13,256	9	18	13,402	9	61	\$63,61 583,61	9	61 61	13,706	1
9	91	13,110	9	61	13,259	9	81	13,420	g	61	13,572	9	21	13,726	
9	21	13,127	9	61	13,288	9	61	13,439	9	61	19,61	9	۷١	13,743	Bottom to Top
9	13	13,140	9	ti ti	13,302	9	6	13,448	9	61	13,629	9	81	13,780	mo14
9	07	13,172	9	28	13,332	9	07	33475	9	27	13,640	9	28	097.51	
	Between Perfs	The off Pales II		Between Perfs			Between Perfs			Between Perfs			Shed neewted		1
Shots	Distance Parted	04 egst2	Shots	Distance	Stage 39	Shots	Distance	8E egal2	Shots	Distance	TE egas	Shots	Distance	86 agai2	
Total Shots	13,950	Frac Plug	Total Shots	14,105	Frac Plug	Total Shots	14,240	Frac Plug	Total Shots	014,41	Frac Plug	Total Shots	14,562	Frac Plug	1
ÞÞ	162	Plug to Plug	bb	155	Pulq of gulq	tr	135	Plug to Plug	bb	170	Plug to Plug	tr	152	Plug to Plug	
9	61	\$18,61 818,61	9	61	13,975	9	91	14,140	g	61	14,292	9	61	14,444	
5	61	998'61	9	14	14,008	9	21	Z91'p1	9	61	14311	9	61	14,463	
9	61	13,875	9	61	14,027	9	21	14,178	9	18	14,330	9	61	14,482	qoT of
9	61	13,894	9	61	940,41	9	61	791,41	9	61	14,349	9	18	918,41 002,41	Bottom
9	6L 9L	13,928	9	61	14,065	9	13	14,220	9	61	14,387	9	61	068,41	From
9	98	13,940	9	58	14,095	9	l+	14,232	9	58	14,396	9	31	14,545	
010110	Sheq neewted	on affirme	group	Sheq neewted	La same	esoue	Between Perfs	on of mo	610116	Sheq neewted	za ofimo	610116	Between Perfs	15 egat2	
Shots	Distance	de agaid	Shots	Distance	₽£ egat2	Shots	Distance	Stage 33	Shots	Distance	Stage 32	Shots	Distance	tf enet2	
atode latoT	817,41	Frac Plug	atoric latoT	078,41	Frac Plug	Total Shots	15,008	Frac Plug	Total Shots	15,170	Frac Plug	Total Shots	16,320	Frac Plug	
9	1991	878,41 Pul9 to Pul9	9	152	Plug to Plug	9	138	Plug to Plug	9	162	15,031 Plug to Plug	9	150	E81,81 Pul9 of gul9	l
9	61	969'71	9	6	747.41	9	61	868,41	9	61	16,050	9	81	15,201	1 I
9	18	419,41	9	61	992'51	9	61	718,41	9	61	19'096	9	61	16,220	1 1
9	19	14,652	9	61 61	408,41	9	18	986,41	9	61	16,107	9	91 91	16,239	to Top
9	91	178,41	9	61	14,823	9	81	746'71	9	61	16,126	9	91	115,217	Bottom
9	21	14,692	9	61	248,41	9	Þl	986,41	9	61	341,31	9	61	15,296	From
9	58	14,709	9	24	14,855	9	31	15,000	9	21	15,162	9	28	15,312	
Shots	Distance Setween Perfs	OE egal2	Shots	Distance Setween Perfs	82 egal2	Shots	Distance Setween Perfs	Stage 28	Shots	Distance Sheq neewted	TS egail	Shots	Distance sheq neewted	82 egai2	
storic latoT	874,81	gul¶ วลาŦ	storic latoT	019,21	Pul9 San	Total Shots	097,21	gui¶ san4	atod8 latoT	12,920	Pul9 san7	atoric latoT	16,083	Frac Plug	1
tt	156	Plug to Plug	tr	134	Plug to Plug	tt	150	Plug to Plug	tr	160	guld of guld	t/t	163	Plug to Plug	
9	13	16,340	9	11	909'91	9	53	959,2f E69,2f	9	61	808,8f 987,8f	9	61	12,940	1
9	61	16,372	9	61	15,624	g	61	278,81	g	61	15,827	9	61	879,81	i I
9	18	166,31	9	61	15,643	9	91	069'91	9	61	15,846	9	61	766,81	qoT of
9	61	15,429	9	91 81	15,680	9	91	16,720	9	61	15,884	9	91	910,91	Bottom
9	61	15,448	9	6	688,81	9	50	16,740	9	11	968'91	9	91	16,064	From
9	33	16,461	9	36	869'91	9	37	16,752	9	30	019,81	9	23	16,069	1
Shots	Distance Between Perfs	Stage 25	Shots	Sheq neewted	Stage 24	Shots	sheq neewted	Stage 23	Shots	Between Perfs	Stage 22	Shots	sheq neewted	Stage 21	
	7 22		3,53,10	Distance			Distance	22 00013	stod2	Distance	SS enet2	-1-10	Distance		
Esous imo		Sp. Lone					100.00								1
atoni Sinot	16,230	Ping to Ping Prac Plug	storic latoT	16,366	Pulq sen4	storic listoT	768,81	gul9 as13	stod8 latoT	199'91	Pul9 as17	atoric latoT	16,830	Frac Plug	
2 44 storic latoT		16,022 Pulg to Plug Prac Plug					100.00								
9 9	71 741 065,81	16,109 16,092 Pulq of gulq	6 6 44 storic Strot	136	16,263 16,250 19,149 16,250 16,250	8 8 44 etori2 latoT	171 7£2,81	16,414 16,395 Pulg to Plug Pulg 2613	8 Apparent	721 721	16,561 16,561 Pilg of gulg gulg cand	8 8 44 storic latoT	81 881 068,81	16,713 16,698 Plug to Plug Frac Plug	
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Windward Federal #5H

	Stage 41	Distance Between Perfs	Shots	Stage 42	Distance Between Perfs	Shots	Stage 43	Distance Between Perfs	Shots	Stage 44	Distance Between Perfs	Shots	Stage 45	Distance Between Perfs	Shots
	13,032	30	6	12,874	35	6	12,730	27	6	12,580	26	6	12,426	28	6
From	13,015	15 15	6	12,861 12,844	17 14	6	12,715 12,700	15 18	6	12,564 12,549	15 25	6	12,410 12,394	16 16	6
Bottom	12,985	23	6	12,830	16	6	12,700	16	6	12,524	13	6	12,378	17	6
to Top	12,962	17	5	12,814	17	5	12,666	22	5	12,511	19	5	12,361	21	5
	12,945	15	5	12,797	21	5	12,644	19	5	12,492	19	5	12,340	18	5
	12,930	21	5	12,776	19	5	12,625	19	5	12,473	19	5	12,322	19	5
	12,909		5	12,757		5	12,606		5	12,454		5	12,303		5
	Plug to Plug	150	44	Plug to Plug	152	44	Plug to Plug	150	44	Plug to Plug	154	44	Plug to Plug	153	44
	Frac Plug	13,040	Total Shots	Frac Plug	12,890	Total Shots	Frac Plug	12,738	Total Shots	Frac Plug	12,588	Total Shots	Frac Plug	12,434	Total Shots
	Stage 46	Distance Between Perfs	Shots	Stage 47	Distance Between Perfs	Shots	Stage 48	Distance Between Perfs	Shots	Stage 49	Distance Between Perfs	Shots	Stage 50	Distance Between Perfs	Shots
	12,273	30	6	12,118	33	6	11,971	28	6	11,820	28	6	11,660	45	6
From	12,260	14	6	12,104	20	6	11,956	13	6	11,810	19	6	11,650	11	6
Bottom	12,246 12,229	17	6	12,084 12,068	16 16	6	11,943 11,924	19 19	6	11,791	19 19	6	11,639 11,621	18	6
to Top	12,229	19	5	12,068	16	5	11,924	19	5	11,772	19	5	11,621	22	5
	12,189	19	5	12,035	17	5	11,886	19	5	11,734	19	5	11,580	16	5
	12,170	19	5	12,018	19	6	11,867	19	5	11,715	10	5	11,564	14	5
	12,151		5	11,999		5	11,848		5	11,705		5	11,550		5
	Plug to Plug	155	44	Plug to Plug	147	44	Plug to Plug	149	44	Plug to Plug	150	44	Plug to Plug	150	44
	Frac Plug	12,281	Total Shots	Frac Plug	12,126	Total Shots	Frac Plug	11,979	Total Shots	Frac Plug	11,830	Total Shots	Frac Plug	11,680	Total Shots
	Stage 51	Distance Between Perfs	Shots	Stage 52	Distance Between Perfs	Shots	Stage 53	Distance Between Perfs	Shots	Stage 54	Distance Between Perfs	Shots	Stage 55	Distance Between Perfs	Shots
	11,622	28	6	11,366	27	6	11,205	35	6	11,066	34	6	10,912	26	6
From	11,507	19	6	11,355	25 20	6	11,190	15	6	11,052	19 19	6	10,901	21 17	6
Bottom	11,488 11,469	19 19	6	11,330 11,310	20	6	11,175 11,165	10 18	6	11,033	20	6	10,880	19	6
to Top	11,450	20	5	11,290	20	5	11,147	15	5	10,994	18	5	10,844	14	6
1	11,430	18	5	11,270	20	5	11,132	17	5	10,976	16	5	10,830	24	5
	11,412	19	5	11,250	10	5	11,115	15	5	10,960	22	5	10,806	16	5
	11,393		5	11,240		6	11,100		5	10,938		5	10,790		5
	Plug to Plug	156	44	Plug to Plug	150	44	Plug to Plug	150	44	Plug to Plug	154	44	Plug to Plug	150	44
	Frac Plug	11,530	Total Shots	Frac Plug	11,374	Total Shots	Frac Plug	11,224	Total Shots	Frac Plug	11,074	Total Shots	Frac Plug	10,920	Total Shots
	Stage 56	Distance Between Perfs	Shots	Stage 57	Distance Between Perfs	Shots	Stage 58	Distance Between Perfs	Shots	Stage 59	Distance Between Perfs	Shots	Stage 60	Distance Between Perfs	Shots
	10,760	30	6	10,612	28	6	10,456	28	6	10,313	19	6	10,140	41	6
-	10,749	19	6	10,597	19	6	10,442	18	6	10,294	19	6	10,115	15	6
From Bottom	10,730	19	6	10,578	22	6	10,424	16	6	10,275	15	6	10,100	15	6
to Top	10,711	21	6	10,556	15	6	10,408	17	6	10,260	23	6	10,085	15	6
	10,690	17	5	10,541 10,524	17 21	5	10,391	21 19	5	10,237	17	5	10,070	10 15	5
	10,673 10,655	18 15	5	10,524	19	5	10,370	19	5	10,220 10,199	18	5	10,060	15	5
	10,655	10	5	10,484	19	5	10,332	19	5	10,199	10	5	10,029	10	5
	Plug to Plug	150	44	Plug to Plug	156	44	Plug to Plug	141	44	Plug to Plug	173	44	Plug to Plug	140	44
	Frac Plug	10,770	Total Shots	Frac Plug	10,620	Total Shots	Frac Plug	10,464	Total Shots	Frac Plug	10,323	Total Shots	Frac Plug	10,150	Total Shots
	Stage 61	Distance Between Perfs	Shots	Stage 62	Distance Between Perfs	Shots	Stage 63	Distance Between Perfs	Shots	Stage 64	Distance Between Perfs	Shots	Stage 65	Distance Between Perfs	Shots
	10,002	27	6	9,837	40	6	9,696	30	6	9,538	36			9427	
From	9,986	14	6	9,823	13	6	9,681	16	6	9,525	20				
Bottom	9,972	18	6	9,810	15	6	9,665	15	6	9,505	15				
to Top	9,954	20	6	9,795	12	6	9,650	19	6	9,490	14				
	9,934	19	5	9,783	19	5	9,631	19	5	9,476	15				
	9,915 9,896	19 19	5	9,764 9,745	19 19	5	9,612 9,593	19 19	5	9,461 9,442	19 15				
	9,896	18	5	9,745	18	5	9,593	19	5	9,442	15				
	Plug to Plug	165	44	Plug to Plug	141	44	Plug to Plug	158	44	Plug to Plug	56	0	Plug to Plug	0	0
	Frac Plug	10,010	Total Shots	Frac Plug	9,845	Total Shots	Frac Plug	9,704	Total Shots	Frac Plug	9,546	Total Shots	Frac Plug		Total Shots
l.	Frac Flug	10,010	rotar onots	rrac riug	9,040	i otal anots	rrac rrug	0,104	i otal anots	FracFlug	0,040	rotal onots	FracFlug	The second second second	i Juliar Jinuts