District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III

# State of New Mexico HOBBS OCD Energy, Minerals & Natural Resources

Form C-104 Revised August 1, 2011

District III 1000 Rio Brazo							00	T 2 Sui	Borti7 or	ne con	v to an	propriate Dis	trict Office
	s Rd., Az	tec, NM 874	10			on Division					y to up	propriate Dis	inet Office
District IV			Francis Dr.	RE	CEN	VED			AMENDED	REPORT			
1220 S. St. Fran	ncis Dr., S	Santa Fe, NI	A 87505		Santa Fe, N	M 87505			W Been Bod				
	I.	REQ	<b>UEST FO</b>	R ALI	LOWABLE	AND AUTH	[O]	RIZAT	ION '	TO	<b>TRAN</b>	SPORT	
1 Operator 1	Name an	d Address						<sup>2</sup> OGRII	Numl	oer			
COG P											21795		
2208 W								<sup>3</sup> Reason	for Fil	ing C		fective Date	
Artesia										6.5	NW		
<sup>4</sup> API Numb		] * H	ool Name	WC 026	C 06 52522	M. Done Com	ina			° Po	ol Code	9 <b>7899</b>	
30 - 025-4					5 G-00 S25320	06M; Bone Spri	ıng			0			
<sup>7</sup> Property (		l ° F	Property Nan	ne	11/2 J J	Federal				, W	ell Nun		
	143	4			Windward	Federal				L		7H	
II. 10 Su	1		. D	T -4 T-1-	E4 6 41	N-41/C-41 T		E4 C	41	E4/X	¥74 12	Com	
Ul or lot no.	Section 30	n Townsh 24S	ip Range 32E	Lot Ian	210	North/South Li North	ne	1850			West lin Vest	le Cou	-
					210	North		1050			rest		,a
		Iole Loca											
Ul or lot no.		n Townsh	-	Lot Idn		North/South Li	ne				West lin		
N	31	24S	32E		251	South		2231			Vest	L	
12 Lse Code	13 Prod	ducing Metho Code		onnection ate	<sup>15</sup> C-129 Per	mit Number	16 C	-129 Effe	ctive D	ate	17 C	-129 Expiration	n Date
F		F	8/3										
III. Oil	and G	as Trans	norters										
18 Transpor		as II alis	porters		19 Transpor	ter Name						<sup>20</sup> O/G/	W
OGRID					and Ad							0,0,	
												0	
				Alpl	ha Crude Cor	nector Pipeline	е					0	
											5000		
												G	
					Lucid E	nergy							
		pletion D											
<sup>21</sup> Spud D	ate	<sup>22</sup> Rea	dy Date	1	<sup>23</sup> TD	<sup>24</sup> PBTD			rforatio			<sup>26</sup> DHC, M	C
	ate	<sup>22</sup> Rea		1	<sup>23</sup> TD 19126'	<sup>24</sup> PBTD 19050'			rforatio 2-1902			<sup>26</sup> DHC, M	C
<sup>21</sup> Spud D 1/4/17	ate	<sup>22</sup> Rea	dy Date 0/17	1	19126'		ı Sel	9372			30 Sa	<sup>26</sup> DHC, M	C
<sup>21</sup> Spud D 1/4/17 <sup>27</sup> H	ate ole Size	<sup>22</sup> Rea	dy Date 0/17 <sup>28</sup> Casing	g & Tubir	19126'	19050'  29 Depth		9372			<sup>30</sup> Sa	ncks Cement	C
<sup>21</sup> Spud D 1/4/17 <sup>27</sup> H	ate	<sup>22</sup> Rea	dy Date 0/17 <sup>28</sup> Casing	1	19126'	19050'		9372			30 Sa		C
<sup>21</sup> Spud D 1/4/17 <sup>27</sup> H	ole Size	<sup>22</sup> Rea	dy Date 0/17 <sup>28</sup> Casing	3 & Tubir	19126'	19050'  29 Depth 800'	,	9372			30 Sa	975	C
<sup>21</sup> Spud D 1/4/17 <sup>27</sup> H	ate ole Size	<sup>22</sup> Rea	dy Date 0/17 <sup>28</sup> Casing	g & Tubir	19126'	19050'  29 Depth	,	9372			30 Sa	ncks Cement	C
<sup>21</sup> Spud D 1/4/17 <sup>27</sup> H 17	ole Size / 1/2"	<sup>22</sup> Rea	dy Date 0/17 <sup>28</sup> Casing	g & Tubir 13 3/8" 9 5/8"	19126'	19050°  29 Depth  800°  4550	,	9372			<sup>30</sup> Sa	975 1575	C
<sup>21</sup> Spud D 1/4/17 <sup>27</sup> H 17	ole Size	<sup>22</sup> Rea	dy Date 0/17 <sup>28</sup> Casing	3 & Tubir	19126'	19050'  29 Depth 800'	,	9372			<sup>30</sup> Sa	975	C
<sup>21</sup> Spud D 1/4/17 <sup>27</sup> H 17	ole Size / 1/2"	<sup>22</sup> Rea	dy Date 0/17 <sup>28</sup> Casing	g & Tubir 13 3/8" 9 5/8" 5 1/2"	19126'	19050'  29 Depth  800'  4550	, 0'	9372			<sup>30</sup> S <sub>2</sub>	975 1575	C
<sup>21</sup> Spud D 1/4/17 <sup>27</sup> H 17	ole Size / 1/2"	<sup>22</sup> Rea	dy Date 0/17 <sup>28</sup> Casing	g & Tubir 13 3/8" 9 5/8"	19126'	19050°  29 Depth  800°  4550	, 0'	9372			30 Sa	975 1575	C
<sup>21</sup> Spud D 1/4/17 <sup>27</sup> H 17 12	ole Size 7 1/2" 7 1/4" 7 3/4"	<sup>22</sup> Rea 8/3	dy Date 0/17 <sup>28</sup> Casing	g & Tubir 13 3/8" 9 5/8" 5 1/2"	19126'	19050'  29 Depth  800'  4550	, 0'	9372			<sup>30</sup> Sa	975 1575	C
21 Spud D 1/4/17 27 H 17 12 8	ole Size / 1/2" / 1/4" / 3/4"	<sup>22</sup> Rea 8/3	dy Date 0/17 <sup>28</sup> Casing	g & Tubir 13 3/8" 9 5/8" 5 1/2" 2 7/8"	19126' ng Size	19050°  29 Depth  800°  4550  19120  8708	0'	9372	2-1902	5'		975 1575 3350	
21 Spud D 1/4/17 27 H 17 12 8 V. Well	ole Size / 1/2" / 1/4" / 3/4"  Test D	<sup>22</sup> Rea 8/3 Data <sup>32</sup> Gas De	dy Date 0/17  28 Casing	g & Tubin 13 3/8" 9 5/8" 5 1/2" 2 7/8"	19126' ng Size	19050°  29 Depth 800° 4550  19120 8708	, 0, 3,	9372	2-1902 35 Tbg	. Press		975 1575	
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21 Spud D 1/4/17 27 H 17 12 8 V. Well 31 Date New 8/31/17	ole Size / 1/2" / 1/4" / 3/4"  Test D / Oil / Oi	<sup>22</sup> Rea 8/3 Data <sup>32</sup> Gas De 8/3	dy Date 0/17  28 Casing  livery Date 1/17	g & Tubin 13 3/8" 9 5/8" 5 1/2" 2 7/8"	19126' ng Size  Fest Date 3/31/17	19050'  29 Depth  800'  4550  19120  8708  34 Test Let 24 Hrs	o'	9372	2-1902 35 Tbg	. Press		975 1575 3350  36 Csg. Pr	essure
21 Spud D 1/4/17 27 H 17 12 8 V. Well 31 Date New 8/31/17 37 Choke S 38/64"	ole Size / 1/2" / 1/4" / 3/4"  Test D / Oil / Oi	<sup>22</sup> Rea 8/3 Data <sup>32</sup> Gas De 8/3 38	dy Date 0/17  28 Casing livery Date 1/17 Oil 78	g & Tubin 13 3/8" 9 5/8" 5 1/2" 2 7/8"	Fest Date 3/31/17 Water 2743	19050'  29 Depth  800'  4550  19120  8708  34 Test Let  24 Hrs	o',	9372	2-1902	. Press 725#	sure	975 1575 3350  36 Csg. Pr 41 Test M Flowi	essure
21 Spud D 1/4/17 27 H 17 12 8 V. Well 31 Date New 8/31/17 37 Choke S 38/64"	ole Size / 1/2" / 1/4" / 3/4"  Test D / Oil / Oil / Control of the	22 Rea 8/3 Data 32 Gas De 8/3 38 3	dy Date 0/17  28 Casing livery Date 1/17  Oil 78  f the Oil Con	g & Tubir 13 3/8" 9 5/8" 5 1/2" 2 7/8"	rest Date 3/31/17 Water 2743 Division have	19050'  29 Depth  800'  4550  19120  8708  34 Test Let  24 Hrs	o',	9372	2-1902	. Press 725#	sure	975 1575 3350  36 Csg. Pr 41 Test M Flowi	essure
21 Spud D 1/4/17 27 H 17 12 8 V. Well 31 Date New 8/31/17 37 Choke S 38/64"	ole Size 1/2" 1/4" 3/4"  Test D Oil 7 Size  rtify that d with an	Data  Data  32 Gas De 8/3  38  34  the rules ond that the i	dy Date 0/17  28 Casing livery Date 1/17  Oil 78  f the Oil Connformation gi	g & Tubin 13 3/8" 9 5/8" 5 1/2" 2 7/8"  33 7 8 8 servation iven above	rest Date 3/31/17 Water 2743 Division have	19050'  29 Depth  800'  4550  19120  8708  34 Test Let  24 Hrs	o',	9372	2-1902	. Press 725#	sure	975 1575 3350  36 Csg. Pr 41 Test M Flowi	essure
21 Spud D 1/4/17 27 H 17 12 8 V. Well 31 Date New 8/31/17 37 Choke S 38/64"	ole Size 1/2" 1/4" 3/4"  Test D Oil 7 Size  rtify that d with an	Data  Data  32 Gas De 8/3  38  34  the rules ond that the i	dy Date 0/17  28 Casing livery Date 1/17  Oil 78  f the Oil Connformation gi	g & Tubin 13 3/8" 9 5/8" 5 1/2" 2 7/8"  33 7 8 8 servation iven above	Fest Date 8/31/17 Water 2743 Division have e is true and	19050'  29 Depth  800'  4550  19120  8708  34 Test Let  24 Hrs	o',	9372	2-1902	. Press 725#	sure	975 1575 3350  36 Csg. Pr 41 Test M Flowi	essure
21 Spud D 1/4/17 27 H 17 12 8  V. Well 31 Date New 8/31/17 37 Choke S 38/64" 42 I hereby ce- been complete complete to the	ole Size 1/2" 1/4" 3/4"  Test D Oil 7 Size  rtify that d with an	Data  Data  32 Gas De 8/3  38  34  the rules ond that the i	dy Date 0/17  28 Casing livery Date 1/17  Oil 78  f the Oil Connformation gi	g & Tubin 13 3/8" 9 5/8" 5 1/2" 2 7/8"  33 7 8 8 servation iven above	Fest Date 8/31/17 Water 2743 Division have e is true and	19050'  29 Depth  800'  4550  19120  8708  34 Test Let  24 Hrs  40 Gas  611	o',	9372	2-1902	. Press 725#	sure	975 1575 3350  36 Csg. Pr 41 Test M Flowi	essure
V. Well  31 Date New 8/31/17  37 Choke S 38/64"  42 I hereby cebeen complete to the Signature: Printed name:	ole Size  1/2" 1/4" 3/4"  Test I  Oil  Test I  with an ane best of	Data  Data  32 Gas De 8/3  38  34  the rules ond that the i	dy Date 0/17  28 Casing livery Date 1/17  Oil 78  f the Oil Connformation gi	g & Tubin 13 3/8" 9 5/8" 5 1/2" 2 7/8"  33 7 8 8 servation iven above	Fest Date 8/31/17 Water 2743 Division have e is true and	19050'  29 Depth  800'  4550  19120  8708  34 Test Let  24 Hrs  40 Gas  611	o',	9372	2-1902	. Press 725#	sure	36 Csg. Pr  41 Test M Flowi	essure ethod ng
21 Spud D 1/4/17 27 H 17 12 8 V. Well 31 Date New 8/31/17 37 Choke S 38/64" 42 I hereby cerbeen complete to the Signature:	ole Size  1/2" 1/4" 3/4"  Test I  Oil  Test I  with an ane best of	Data  Data  32 Gas De 8/3  38  34  the rules ond that the i	dy Date 0/17  28 Casing livery Date 1/17  Oil 78  f the Oil Connformation gi	g & Tubin 13 3/8" 9 5/8" 5 1/2" 2 7/8"  33 7 8 8 servation iven above	Fest Date 3/31/17 Water 2743 Division have e is true and	19050'  29 Depth 800' 4550  19120 8708  34 Test Let 24 Hrs 40 Gas 611  Approved by:	o',	9372	2-1902	. Press 725#	sure	36 Csg. Pr  41 Test M Flowi	essure ethod ng
V. Well  31 Date New 8/31/17  37 Choke S 38/64"  42 I hereby cebeen complete to the Signature: Stormi Day Title:	ole Size 1/2" 1/4" 3/4"  Test D Oil 7 Size rtify that d with an ne best of	Data  32 Gas De 8/3  38  38  the rules on that the if my knowl	dy Date 0/17  28 Casing livery Date 1/17  Oil 78  f the Oil Connformation gi	g & Tubin 13 3/8" 9 5/8" 5 1/2" 2 7/8"  33 7 8 8 servation iven above	Fest Date 3/31/17 Water 2743 Division have e is true and	19050'  29 Depth  800'  4550  19120  8708  34 Test Let 24 Hrs.  40 Gas 611	o',	9372	2-1902	. Press 725#	sure	975 1575 3350  36 Csg. Pr 41 Test M Flowi	essure ethod ng
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V. Well  31 Date New 8/31/12  37 Choke S 38/64"  42 I hereby cebeen complete to the Signature:  Printed name: Stormi Day Title: Regulatory E-mail Addre	ole Size 1/2" 1/4" 3/4" Size rtify that d with an he best of wis Analys ss:	Data  Second that the iff my knowless the second that the information of the second that the information is the second that the secon	dy Date 0/17  28 Casing livery Date 1/17  Oil 78  f the Oil Connformation gi	g & Tubin 13 3/8" 9 5/8" 5 1/2" 2 7/8"  33 7 8 8 servation iven above	rest Date 3/31/17 Water 2743 Division have e is true and	19050'  29 Depth 800' 4550 19120 8708  34 Test Let 24 Hrs 40 Gas 611  Approved by: Title: Approval Date:	o'	OIL COM	35 Tbg	. Press 225#	sure	36 Csg. Pr  41 Test M Flowi	essure ethod ng
V. Well  31 Date New 8/31/17  37 Choke S 38/64"  42 I hereby cebeen complete to the Signature: Complete to the Signature: Printed name: Stormi Day Title: Regulatory	ole Size 1/2" 1/4" 3/4" Size rtify that d with an he best of wis Analys ss:	Data  Second that the iff my knowless the second that the information of the second that the information is the second that the secon	dy Date 0/17  28 Casing livery Date 1/17  Oil 78  f the Oil Connformation gi	g & Tubin 13 3/8" 9 5/8" 5 1/2" 2 7/8"  33 7 8 8 servation iven above	rest Date 3/31/17 Water 2743 Division have e is true and	19050'  29 Depth 800' 4550  19120 8708  34 Test Let 24 Hrs 40 Gas 611  Approved by:	o'	OIL COM	35 Tbg	. Press 225#	sure	36 Csg. Pr  41 Test M Flowi	essure ethod ng

BLM forms attached

575-748-6946

10/17/17

Form 3160-4 (August 2007)

### **UNITED STATES** DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0137 Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND SO

	VVELL (	COMIFE	LITON	IN RECC	JIVIPLE	ION K	EPORT	AND	2		J. LC.	MNM1209		
la. Type of	f Well	Oil Well	☐ Gas	Well	Dry [	Other	1	E.	20	-		Indian, Allo	ottee or	Tribe Name
b. Type of	f Completion	_	lew Well	☐ Work O	ver 🔲	Deepen	Plug	BO	Diff.	Resvr.	7 Un	it or CA A	greeme	ent Name and No.
		Oth	er						VA		7. 01.	at or Citi	Біссіііс	in rume and ro.
2. Name of COG P	Operator RODUCTIO	ON LLC	E	-Mail: sdav		STORM no.com	I DAVIS		10			ase Name a INDWARI		
3. Address	2208 WES						Phone No. 1575-74		e area coo	le)	9. AP	I Well No.	•	30-025-43516
4. Location	of Well (Re		ion clearly ar 32E Mer NI		ance with I	ederal rec	uirements	5)*			10. Fi	ield and Po	ool, or E	Exploratory
At surfa			. 1850FWL	VII										Block and Survey
At top p	rod interval										or	Area Sec	30 T2	24S R32E Mer NMF
At total			S R32E Mer SL 2231FW								12. C	ounty or Pa	arish	13. State NM
14. Date Sp 01/04/2				ate T.D. Rea /28/2017	ched		□ D &	Complete A 20/2017	ed Ready to	Prod.	17. E		DF, KE 13 GL	3, RT, GL)*
18. Total D	epth:	MD TVD	19126 9133	6 19.	Plug Bac	k T.D.:	MD TVD	19	050 33	20. Dep	th Brid	lge Plug Se		MD 19050 FVD 9133
21. Type E	lectric & Oth			un (Submit	copy of eac	ch)	IVD	91		s well cored	1? [	No I		(Submit analysis)
NÔNE					1.					s DST run? ectional Sur	C	No	Yes Yes	(Submit analysis) (Submit analysis)
23. Casing ar	nd Liner Rec	ord (Repo	ort all strings	set in well)									23 100	(buomit analysis)
Hole Size	Size/G	rade	Wt. (#/ft.)	Top (MD)	Botton (MD)		Cementer Depth		f Sks. &	Slurry t (BB		Cement 7	Гор*	Amount Pulled
17.500	13.	.375 J55	54.5	` ′	1	300		- JF-		75			0	
12.250	9.	625 L80	40.0	(	45	550			15	75			0	
8.750	5.5	00 P110	17.0	(	191	20		_	33	50	_		20	
	-				+	+		_		+	$\rightarrow$			
					+	_				_	_		-	
24. Tubing	Record													
	Depth Set (M		acker Depth		ize D	epth Set (1	MD) P	acker Dep	oth (MD)	Size	Dep	oth Set (MI	0) ]	Packer Depth (MD)
2.875 25. Produci		8708		8698		26 Porfor	ation Reco	and						
	ormation		Тор	l R	ottom		Perforated			Size	N.	o. Holes		Perf. Status
A)	BONE SP	RING	ТОР	9372	19025		Cilorated	9372 TO	19025	0.43			OPEN	
B)														
C)														
D)	acture, Treat	mont Cor	mant Causage	Eta										
	Depth Interva	_	nent Squeeze	, Etc.			Aı	mount and	Type of	Material				
			25 SEE AT	TACHED				inount une	. турс от	Triateria:				
				•										
28. Product	ion - Interval	A												
Date First	Test	Hours	Test	Oil	Gas	Water	Oil Gr		Gas		Productio	n Method		
Produced 08/31/2017	Date 08/31/2017	Tested 24	Production	378.0	MCF 611.0	BBL 2743	.0 Corr.	API	Grav	rity		FLOW	/S FRO	M WELL
Choke Size	Tbg. Press. Flwg. 725	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:O Ratio	il	Well	Status				
38/64	SI Intonio	1 D		378	611	2743	3			POW				
Date First	tion - Interva	Hours	Test	Oil	Gas	Water	Oil Gr	ravity	Gas		Production	n Method		
Produced	Date	Tested	Production	BBL	MCF	BBL	Corr.		Grav		- 70446110			
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:O Ratio	il	Well	Status				

201 D	Acation Intern	-1.C									
Date First	Test	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas		Production Method	
Produced	Date	Tested	Production	BBL	MCF	BBL	Corr. API		vity	Production Method	
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Wel	ll Status		
28c. Prod	duction - Interv	al D									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gra		Production Method	
Choke	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Wel	Il Status		
29. Dispo	osition of Gas(	Sold, used	for fuel, vent	ed, etc.)							
30. Sumi	mary of Porous	Zones (In	nclude Aquife	rs):					31. For	mation (Log) Markers	
tests,	v all important including dept recoveries.	zones of p th interval	porosity and co tested, cushic	ontents there on used, time	eof: Cored e tool oper	intervals and n, flowing an	d all drill-stem d shut-in pressu	ares			
	Formation		Тор	Bottom		Descripti	ons, Contents, e	etc.		Name	Top Meas. Depth
Formation Top  LAMAR BELL CANYON 4573 CHERRY CANYON 5532 BRUSHY CANYON 6804 BONE SPRING LM 8459  32. Additional remarks (include plugging proced Surveys, perfs & stimulation are attached)					Descriptions, Contents, etc.				Name		
	e enclosed atta		es (1 full set re	ald.)		2. Geologi	c Paport		3. DST Rep	nort 4 Direc	tional Survey
<ol> <li>Electrical/Mechanical Logs (1 full set req'd.)</li> <li>Sundry Notice for plugging and cement verification</li> <li>Cor</li> </ol>							-		Other:	4. Direc	nonai Suivey
34. I her	eby certify that	the foreg				•				records (see attached instru	ctions):
			Electi				ed by the BLM ON LLC, sent t			stem.	
Nam	e(please print)	STORM	I DAVIS				Title	PREPARE	ER		
Signa	ature	(Electro	nic Submissi	on)			Date	10/18/201	7		

Form 3160-5 (June 2015)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals. FORM APPROVED OMB NO. 1004-0137 Expires: January 31, 2018

5. Lease Serial No. NMNM120908

6. If Indian, Allottee or Tribe Name

	OSC TOTAL OTOO-O (ALL D)	tor such prop	J34/3.					
SUBMIT IN	7. If Unit or CA/Agreement, Name and/or No.							
Type of Well	ner	7 2017	8. Well Name and No. WINDWARD FEDE	ERAL 7H				
Name of Operator     COG PRODUCTION LLC	Contact: ST E-Mail: sdavis@concl	ORMI DAVIS ho.com	REC	EIVED	9. API Well No. 30-025-43516			
3a. Address 2208 WEST MAIN ARTESIA, NM 88210	3 F	b. Phone No. (inc Ph: 575-748-69	lude area code)		<ol><li>Field and Pool or Ex WILDCAT; BONE</li></ol>	xploratory Area E SPRING		
4. Location of Well (Footage, Sec., T	., R., M., or Survey Description)				11. County or Parish, S	tate		
Sec 30 T24S R32E Mer NMP	NENW 210FNL 1850FWL				LEA COUNTY, N	IM		
12. CHECK THE AF	PPROPRIATE BOX(ES) TO	O INDICATE 1	NATURE OF	NOTICE,	REPORT, OR OTH	ER DATA		
TYPE OF SUBMISSION			TYPE OF	ACTION				
□ Notice of Intent	☐ Acidize	□ Deepen		□ Product	ion (Start/Resume)	☐ Water Shut-Off		
Notice of Intent	☐ Alter Casing	☐ Hydrauli	c Fracturing	☐ Reclama	ation	■ Well Integrity		
Subsequent Report     ■	☐ Casing Repair	☐ New Cor	struction	☐ Recomp	lete	Other		
☐ Final Abandonment Notice	☐ Change Plans	☐ Plug and	Abandon	☐ Tempor	arily Abandon			
	☐ Convert to Injection	☐ Plug Bac	k	☐ Water D	isposal			
13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.  2/28/17 to 3/6/17 Test csg to 8500# for 30 mins. Good test. Drilled out FC, FS and new formation to 19126'. Injection test.  5/4/17 to 7/24/17 Ran CBL. TOC @ 20'. Set CBP @ 19050'. Test to 8457#. Perf 9372-19025' (2816). Acdz w/96,524 gal 7 1/2% and 96,887 gal 15%; Frac w/19,223,490# sand & 24,155,173 gal fluid.  8/13/17 to 8/15/17 Drilled out CFP's. Clean down to CBP @ 19050'.  8/16/17 to 8/15/17 Drilled out CFP's. Clean down to CBP @ 19050'.  8/30/17 Began flowing back & testing.								
	Electronic Submission #392 For COG PRO	DDUCTION LLC,			System			
Name (Printed/Typed) STORMI	DAVIS	Title	PREPAR	RER				
Signature (Electronic S	submission)	Date	10/18/20	)17				
	THIS SPACE FOR	FEDERAL O	R STATE (	OFFICE US	SE			
Approved By		Tit	le			Date		
Conditions of approval, if any, are attached certify that the applicant holds legal or equivalent would entitle the applicant to condu	itable title to those rights in the sul	bject lease	fice					
Title 18 U.S.C. Section 1001 and Title 43	U.S.C. Section 1212, make it a crir	me for any person	knowingly and	willfully to ma	ke to any department or a	gency of the United		

### Additional data for EC transaction #392294 that would not fit on the form

32. Additional remarks, continued

8/31/17 Date of first production.

#### WINDWARD FEDERAL #7H

	WINDV	VARD FEDERAL #	ИП	
<u>Perfs</u>	7 1/2% Acid (Gal)	15% Acid (Gal)	Sand (#)	Fluid (Gal)
1	0	1512	304780	378210
2	1500	1512	303800	388068
3	3024	1512	302960	489342
4	1512	1512	305780	387450
5	1512	1512	304890	377118
6	1512	1554	306610	384174
7	1512	1500	260620	365892
8	1512	1512	304650	527100
9	1512	1512	280690	372288
10	1512	1512	301010	376866
11	1500	1500	303690	506958
12	1512	1500	300540	374166
13	1512	1512	301050	385014
14	1512	1512	300970	454734
	1500	1512	300460	432252
15			302550	374976
16	1512	1512		
17	1500	1512	302240	375594
18	1512	1500	302690	371100
19	1500	1512	300320	366606
20	1512	1512	307680	386316
21	1500	1512	300980	363960
22	1500	1596	298560	364548
23	1500	1512	300940	374838
24	1512	1512	300570	366618
25	1512	1512	301800	361998
26	1512	1512	301180	375858
27	1512	1512	300700	363678
28	1512	1512	301380	366534
29	1500	1512	309750	379164
30	1512	1512	305350	368424
31	1512	1512	304540	362964
32	1512	1512	300730	386358
33	1512	1512	301530	376992
34	1500	1512	300980	367782
35	1500	1512	299870	451362
36	1512	1512	302200	372834
37	1512	1512	304160	365442
38	1512	1512	299520	360612
39	1512	1512	300110	379302
40	1512	1512	301440	362376
41	1500	1512	301410	351108
42	1512	1512	301720	427476
43	1512	1512	301720	352968
44	1512	1512	300290	354102
45	1500	1554	300310	355224
46	1512	1512	301350	351456
47	1512	1512	300880	353346
48	1500	1512 1512	286520	338592 347837
49	1500	1512	300090	
50	1512		300190	345954
51	1512	1512	301020	347550
52	1512	1512	299020	350532
53	1500	1512	303470	353964
54	1500	1512	301180	351906
55	1512	1512	301440	363804
56	1500	1512	271850	356064
57	1512	1512	300070	469560
58	1512	1512	303640	348852
59	1512	1512	297300	345282
60	1500	1512	303110	349050
61	1512	1512	300530	351204
62	1512	1512	303890	350784
63	1512	1512	301100	345450
64	1500	1512	307120	347244
Totals	96,524	96,887	19,223,490	24,155,173

Shots 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Shots	Shots 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Shots  6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Shots 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Shots 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Shots 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Shots 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
Distance Between Perfs 27 19 19 19 19 11 11 11 11 11 11 11 11	Distance Between Perfs 36 12 17 16 16 23 19 154 154 17684	Distance Between Parfs 39 12 18 16 16 20 16 16 16 16 16 16 16 164 1654	Distance 80 30 14 14 19 18 23 15 17 160 160	Distance Between Perfs 36 11 11 11 18 18 24 13 12 15 15 15 15 15 15 15 15 15 15 15 15 15	Distance Between Perfs 38 138 146 16 15 17 17 17 17 150 150 14,642	Distance Between Parfs 30 14 14 19 19 19 19 19 11 11 11 11 11 11 11 11	Distance Between Perfs 19 19 15 15 15 15 15 15 17 17 139 139
Stage 5 18,417 18,402 16,402 18,303 18,304 18,308 18,308 18,308 18,308 18,308 18,308 18,207 18,207 18,207 18,207 18,207 18,207	Stage 10 17,648 17,633 17,606 17,500 17,575 17,575 17,552 17,553	Singe 15 16,880 16,878 16,848 16,843 16,873 16,777 16,777 16,778 16,778 16,778 16,778	Stage 20 16,144 16,117 16,098 16,098 16,067 16,042 16,043	Stage 25 15,384 15,371 15,324 15,324 15,324 15,324 15,275 15,275 15,275 15,276 16,276 17 18 19 Plug	Stage 30 14,626 14,614 14,600 14,569	Slage 35 13,874 13,862 13,848 13,833 13,795 13,776 13,157 Plug to Plug Frac Plug	Stage 40 13.126 13.156 13.096 13.097 13.040 13.047 13.027 13.040 19.007 19.007 19.007
Shots  6 6 6 7 7 7 7 44 Total Shots	Shorts  6 6 6 6 7 7 8 7 8 7 8 8 8 8 8 8 8 8 8	Shots  6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Shots 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Shots 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Shots  6  6  6  6  7  7  8  9  9  9  9  9  9  1  1  1  1  1  1  1	Shots 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Shorts 6 6 6 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Distance Between Perfs 28 19 19 25 25 26 13 13 20 146	Distance Between Perfs 33 14 16 16 15 23 19 19 147 17,811	Distance Between Perfs 31 19 15 16 20 19 19 19 119 119	Distance 8 Between Perfs 33 15 17 17 19 19 19 19 19 19	Distance Between Perfs 33 16 16 16 17 19 19 145	Distance Between Perfs 36 16 15 15 15 18 15 15 15 15 14 792	Distance Between Parts 37 20 16 14 13 20 13 23 14 14 14 14 14 14 18 148	Distance Between Perfs 31 19 22 16 22 16 16 16 18 19 19 19 19 19
Stage 4 18,563 18,553 18,554 18,576 18,400 18,400 18,404 1	Stage 9 17,803 17,706 17,706 17,706 17,702 17,703 17,703 17,703 17,703 17,703 17,703 17,703 17,703 17,884 17,884 17,884	Stage 14 17,039 17,037 17,013 17,013 16,987	Stage 19 16.202 16.227 16.245 16.245 16.245 16.212 16.712 16.193 14.174 Plug to Plug Frac Plug	Stage 24 15.537 15.537 15.510 15.494 15.475 15.475 15.478 15.479 15.479 15.479 15.479 15.479 15.479 15.479 15.479	Stage 29 14,784 14,770 14,730 14,733 14,713 14,698 14,698 14,694 14,694 14,694 14,694 14,694 14,694 14,694 14,694 14,694	Stage 34 14,022 13,002 13,004 13,004 13,004 13,004 13,004 13,004 13,004 13,004 13,004 13,004 13,004 13,004 13,004	Singe 38 13,279 13,286 13,247 13,225 13,72 13,172 14,172 1
Shots 6 6 6 7 7 7 7 7 7 7 7 7 7 8		Shots 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Shots  6  6  6  7  7  7  7  7  7  7  7  7  7	Shots  6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Shots 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Shots 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Shots 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
Distance Between Perfs 61 13 13 13 12 12 148 148,689	Distance Between Perfs 40 12 19 19 19 19 18 451 47,882	Distance  Between Perfs  28  12  19  19  19  19  19  11  11  11  11	Distance 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	Distance Between Perfs 32 16 22 14 16 19 19 152 153	Distance Between Perfs 27 23 19 19 19 19 18 184 14,956	Distance Between Perfs 33 14 19 21 17 17 14 24 160	Distance Between Parfs 38 16 16 16 16 19 13 143
Stage 3 18,681 18,665 18,642 18,642 18,629 18,616 18,603 18,603 18,591 Plug to Plug	17,947 17,935 17,933 17,911 17,892 17,873 17,884 17,886 Plug to Plug	Stage 13 17,200 17,187 17,175 17,175 17,118 17,118 17,080 17,080 17,080 17,080 17,080 17,080 17,080 17,080	Stage 18 16,442 16,442 16,440 16,440 16,396 16,396 16,392 16,393 16,344 18,344	Stage 23 15,689 15,628 15,624 15,624 15,628 15,629 15,608 15,608 15,609 15,609 15,609 15,609 15,609	Stage 28 14,948 14,932 14,932 14,932 14,831 14,852 14,823 14,820 Plug to Plug	Stage 33 14,182 14,164 14,154 14,114 14,007 14,007 14,008 14,008 Prug to Plug	Singe 38 13.422 13.40 13.395 13.385 13.342 13.342 13.342 13.342 19.910 Frac Plug
Shots  6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Shots  6 6 6 7 7 8 7 7 7 7 7 7 7 7 7 7 7 7 7	Shots 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Shots 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Shots 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Shots  6  6  6  7  8  8  9  9  9  9  9  9  9  1  1  1  1  1  1	Shots 6 6 6 6 6 6 7 5 5 5 5 5 5 5 5 5 5 5 5 6 6 6 6	Shots  6  6  6  7  8  9  9  9  9  4  44  Total Shots
Distance Between Peris 48 11 19 19 19 19 19 1881	Distance Between Perfs 34 16 17 21 19 18 150 18	Distance 8 Between Perfs 40 40 16 114 13 12 22 442 142 17,350	Distance 8 Between Parfs 33 16 16 17 17 14 24 18 160 16,610	Distance Between Perfs 38 13 13 16 19 19 19 19 19 119	Distance Between Parfs 15 19 19 19 19 10 10 10 10 10 10 10 10 11 144	Distance 28 19 19 19 13 25 14 14 14 160	Distance Between Perfs 14 14 19 19 19 19 18 18 180
Stage 2 18,863 18,847 18,847 18,817 18,780 1	Stage 7 18.104 18.005 18.005 18.005 18.0045 18.0045 17.9987 Plug to Plug	Stage 12 17.342 17.228 17.286 17.286 17.286 17.286 17.289 17.228 17.228 17.228 17.228	Stage 17 16,584 16,682 10,686 16,580 16,580 16,580 16,59 16,495 1	Stage 22 15,834 15,820 15,807 15,784 15,778 15,778 15,740	Stage 27 15,092 15,079 15,020 15,020 15,022 15,022 14,935 14,935 Prac Plug	Stage 32 14,342 14,324 14,336 14,267 14,267 14,264 14,229 14,229 14,216 Prac Plug	Stage 37 13,662 13,660 13,651 13,431 13,493 13,493 13,474 13,403 Frac Plug
Shots 14 12 10 8 8 44 44 Total Shots	Shots  6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Shots 6 6 6 6 5 5 5 5 5 4 4 4 4 4 4 4 4 4 4 4	Shots 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Shots  6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Shots  6  6  6  6  7  7  8  8  9  9  9  9  9  9  9  9  1  1  1  1  1	Shots  6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Shots  6  6  6  7  6  7  7  7  7  7  7  7  7
Mindward Enderal 7H  Between Perfs 9,025 8,897 8,897 8,897 10 Plug 119 119	Distance Between Perfs 37 14 18 20 19 19 16 118 16 16 16 16 16 16 16 16 16 16 16 16 16	Distance Between Parfs 31 14 16 21 23 23 160 17,510	Distance Between Perfs 33 13 13 12 22 22 20 143 143 143 1475 3	Distance Between Perfs 33 15 16 16 16 16 18 18 188 158	Distance Between Perfs 33 16 16 19 19 24 13 150 19 150	Distance Between Parts 28 14 19 22 22 16 14 14 142 142	Distance Between Perfs 36 18 18 19 19 19 19 19 19 19 19 19
Stage 1 19,026 18,997 18,911 18,911 Plug to Plug	Stage 6 18,260 18,246 18,244 18,144 18,175 18,175 18,178 Plug to Plug Frac Plug	Stage 11, 502 17, 502 17, 489 17, 489 17, 420 17, 397 17, 387 17, 387 17, 387 17, 387	Stage 16 16,745 16,733 16,688 16,688 16,687 16,687 16,647 16,647 16,647 16,647 16,647 16,647	Stage 21 15,992 15,947 15,947 15,810 15,810 15,810 15,810 15,812 15,810 15,812 15,812	Stage 26 16,242 15,227 15,227 15,192 15,173 15,130 15,130 15,130 15,130 15,130	Stage 31 14,484 14,470 14,456 14,437 14,399 14,399 14,390 14,390 14,390 14,370 Plug to Plug	Stage 36 13,722 13,708 13,660 13,663 13,663 13,663 13,663 13,663 13,663 14,663 15,663 15,663 16,663 17,663 17,663 18,663
From Bottom to Top	From Bottom to Top	From Bottom to Top	From Bottom to Top	From Bottom to Top	From Bottom to Top	From Bottom to Top	From Bottom to Top

	From Bottom to Top	From Bottom to Top	From Bottom to Top	From Bottom to Top	From Bottom to Top
	\$18ge 81 9,945 9,933 9,930 9,903 9,807 9,871 9,849 9,830 Plug to Plug Frac Plug	10,661 10,661 10,661 10,663 10,643 10,643 10,618 10,618 10,618 10,618 10,618 10,618	11,474 11,482 11,440 11,400 11,400 11,380 11,380 11,380 11,380 11,380 Plug to Plug	Stage 48  12.213 12.200 12.186 12.170 12.186 12.170 12.152 12.129 12.121 12.105 12.006 Plug to Plug Frac Plug	Stage 41 12.087 12.087 12.960 12.960 12.966 12.966 12.966 12.866 12.876 12.886 12.876 Plug to Plug
	Distance Between Perfs 36 13 17 16 16 22 19 19 19 187	Distance Between Perfs 45 18 12 14 17 14 19 19 10,899	Distance Between Perfs 18 22 20 20 20 20 20 20 20 482 11,482	Distance Between Perfs 37 14 16 18 23 14 19 19 19 19	Distance Between Perfs 23 14 24 24 29 11 15 15 180 12,895
	Shots 6 6 6 6 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6	Shots 6 6 6 6 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Shots 6 6 6 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Shots 6 6 6 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Shots 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
is "	9,778 9,778 9,778 9,778 9,778 9,778 9,733 9,733 9,737 9,694 9,679 Plug to Plug Frac Plug	Stage 57 10,562 10,547 10,529 10,510 10,491 10,491 10,472 10,450 10,472 10,480 10,494 Plug to Plug	Slage 52 11312 11,296 11,286 11,286 11,286 11,265 11,27 11,27 11,27 11,212 11,195 Plug to Plug Frac Plug	12,067 12,067 12,066 12,044 12,025 12,001 11,982 11,970 11,960 Plug to Plug Frac Plug	12,827 12,813 12,814 12,764 12,775 12,775 12,776 12,778 12,778 12,709 12,700 12,700 12,700 12,700 12,700
	Distance Batween Perfs 33 14 16 16 15 15 15 15 15 23 15 15 15	Distance Between Perfs 23 18 19 19 19 22 22 22 16 16 18	Distance Between Perfs 28 16 15 15 23 17 17 140	Distance Batween Perfs 29 19 19 24 19 12 20 20 135	Distance Between Perfs 33 19 19 19 18 18 18 18 18 18 20 18
,	Shots  6 6 6 5 5 5 44 Total Shots	Shots 6 6 6 6 5 5 5 44 Total Shots	Shots 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Shots 6 6 6 5 5 5 7 7 Total Shots	Shots 6 6 6 5 5 5 5 7 Total Shots
	Stage 63  9,644 9,630 9,612 9,612 9,576 9,576 9,560 9,528 Plug to Plug Frac Plug	10,397 10,382 10,382 10,386 10,386 10,386 10,321 10,321 10,322 10,322 10,322 10,322 10,322 10,322 10,322	Stage 53 11,172 11,172 11,182 11,133 11,114 11,092 11,074 11,067 11,044 Plug to Plug Frac Plug	Stage 48 11,922 11,910 11,880 11,870 11,880 11,880 11,880 11,880 11,880 11,880 11,880 Plug to Plug	Stage 43 12,662 12,667 12,662 12,660 12,666 12,568 12,567 Plug to Plug
	Distance Between Perfs 36 18 15 21 16 16 17 17 180 9,852	Distance Between Perfs 37 16 16 15 17 19 20 20 10,405	Distance Between Perfs 23 19 19 19 22 18 17 13 13 143	Distance Between Perfs 18 20 20 20 20 15 15 15 16 18	Distance Between Perfs 38 15 12 14 19 19 11 11 130 12,670
	Shots 6 6 6 5 5 44 44	Shots 6 6 6 6 5 5 5 44 Total Shots	Shots 6 6 6 5 5 5 44 44 Total Shots	Shots 6 6 6 6 5 5 5 5 4 4 4 4 4 4 4 4 4 4 4 4	Shots 6 6 6 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6
	\$1age 64  9,484 9,474 9,475 9,485 9,485 9,484 9,484 9,485 9,485 9,481 9,815 9,396 9,372 Plug to Plug Frac Plug	10,251 10,251 10,240 10,226 10,226 10,129 10,170 10,171 10,151 10,151 10,151 10,151 10,151 10,151 10,151 10,151 10,151 10,151 10,151	Stage 64 11,019 11,001 10,982 10,963 10,964 10,966 10,966 10,887 Plug to Plug Frac Plug	Stage 49 11,787 11,787 11,776 11,778 11,789 11,890 11,890 11,891 11,891 11,993 Plug to Plug Frac Plug	Stage 44 12,552 12,515 12,473 12,473 12,484 12,484 12,487 12,487 12,488 12,487 12,488 12,487 12,488
	Between Perfs 44 19 10 11 11 19 24 47 9,492	Distance Between Perfs 31 15 16 20 19 19 19 19 19	Distance Between Perfs 25 19 19 19 19 19 19 19 19 19 19 19 19 19	Distance Between Perfs 33 20 19 19 19 19 19 18	Distance Between Perfs 25 23 19 19 19 19 19 19 19 170 12,540
	Shots  O  Total Shots	Shots  6  6  6  5  5  5  5  10tal Shots	Shots 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Shots 6 6 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Shots 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
		10,088 10,088 10,086 10,087 10,067 10,038 10,019 10	10,884 10,884 10,884 10,886 10,810 10,787 10,770 10,756 10,786 Plug to Plug	Stage 50 11,608 11,598 11,578 11,578 11,548 11,548 11,510 11,422 Plug to Plug Frac Plug	12,362 12,362 12,365 12,335 12,322 12,365 12,265 12,270 12,250 12,250 Plug to Plug Frac Plug
	Between Perfs 9372	Distance Between Perfs 34 18 11 19 19 19 19 19 19	Distance Between Perfs 33 15 16 23 17 15 19 19	Distance Between Perfs 35 20 14 16 19 19 19 18 18	Distance Between Perfs 46 15 13 17 20 20 15 20 142
	Shots Total Shots	Shots Shots	Shots 6 6 6 6 5 5 5 5 5 5 6 44 44 44	Shots  Shots  Shots  Shots	Shots