



# BEFORE THE OIL CONSERVATION DIVISION EXAMINER HEARING MAY 2, 2019

CASE NO. 20417

# STATE OF NEW MEXICO DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES OIL CONSERVATION DIVISION

APPLICATION OF COG OPERATING LLC FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

**CASE NO. 20417** 

# AFFIDAVIT OF LUKE BEDRICK

Luke Bedrick, of lawful age and being first duly sworn, declares as follows:

- 1. My name is Luke Bedrick. I work for COG Operating LLC ("COG") as a Senior Landman.
- 2. I have previously testified before the New Mexico Oil Conservation Division as an expert witness in petroleum land matters. My credentials as a petroleum landman have been accepted by the Division and made a matter of record.
- 3. I am familiar with the applications filed by COG in these matters and familiar with the status of the lands in the subject areas.
- 4. None of the parties proposed to be pooled in these cases has indicated opposition, therefore I do not expect any opposition at the hearing.
- 5. COG seeks an order pooling all uncommitted interests in the Bone Spring formation (WC-025 G-08 S213304D; Bone Spring Pool (97895)) underlying a 320-acre standard horizontal spacing unit comprised of the W/2 W/2 of Sections 9 and 16, Township 21 South, Range 33 East, Lea County, New Mexico. This horizontal spacing unit will be dedicated to the proposed **Boone 16 State Com 4H** well to be drilled from a surface hole location in the NW/4 NW/4 (Unit D) of Section 21 to a bottom hole location in the NW/4 NW/4 (Unit D) of Section 9.

- 14. COG has estimated the overhead and administrative costs for drilling and producing the proposed wells at \$7,000 per month while drilling and \$700 per month while producing. These costs are consistent with what other operators are charging in this area for similar wells.
- 15. I provided the law firm of Holland & Hart LLP a list of names and addresses for the owners that COG seeks to pool and instructed that they be notified of this hearing.
- 16. COG Exhibit Nos. 1A through 1C were either prepared by me or compiled under my direction and supervision.

FURTHER AFFIANT SAYETH NOT.

DISTRICT II 811 5. FIRST ST., ARTESIA, NM 88210 Phone: (575) 748-1263 Fax: (575) 748-9720

DISTRICT III 1000 RIO BRAZOS RD., AZTEC, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV 1220 S. ST. FRANCIS DR., SANTA FR. NM 87505 Phone: (603) 478-3480 Fax: (505) 478-3462

State of New Mexico DISTRICT I State of New Mexico
1620 N. FIREICH DR. HOBES, NM 85240
FROME: (573) 383-6101 FAE (673) 393-6720
Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

	WELL LOCATION AND ACREAGE DEDICATION	ON PLAT
API Number 30-025- <i>4-44-99</i>	Pool Code WC-025 G-	Pool Name 08 S213304D; Bone Spring
Property Code 39741	Property Name BOONE 16 STATE COM	Well Number
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3741.0'

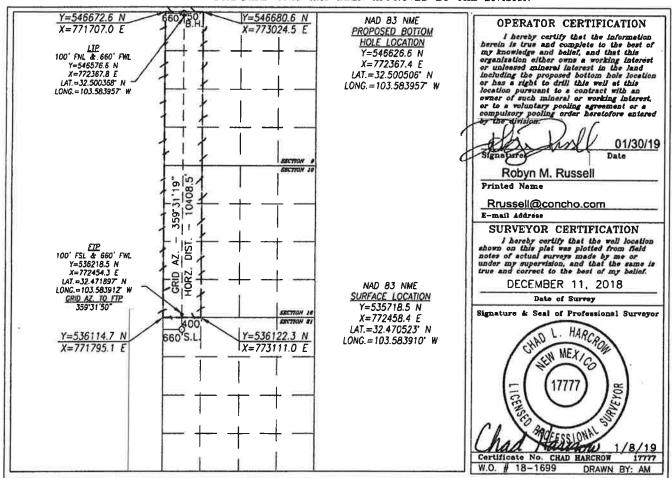
# Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	21	21-5	33-E		400	NORTH	660	WEST	LEA

# Bottom Hole Location If Different From Surface

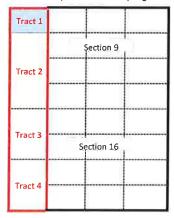
UL or lot No.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County
D	9	21-S	33-E		50	NORTH	660	WEST	LEA
Dedicated Acre	Joint o	r Infill Con	nsolidation (	Code Or	der No.				

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



# COG - Boone 16 State Com 4H

W%W% Section 9, Township 21 South, Range 33 East, N.M.P.M. W%W% Section 16, Township 21 South, Range 33 East, N.M.P.M. Limited in depth to the Bone Spring Formation



Tract 2: Section 9: SW%NW%, W%SW% (120.0 acres)

ract 1 : Section 9: NW%NV	/½ (40.0 acres)	
COG Operating LLC		25,00000000%
Advance Energy Partners Hat Mesa, LLC		70.00000000%
Chevron U.S.A., Inc.		5.00000000%
-	Total	100.00000000%

	41.00000000%
	1,80000000%
Advance Energy Partners Hat Mesa, LLC	
Total	100.00000000%
% (80.00 acres)	
A (00.00 acres)	75.00000000%
Hat Mesa, LLC	75.000000000% 25.000000000%

act 4 : Section 16: W%SV	/¼ (80.00 acres)	
COG Operating LLC		75.000000000
Advance Energy Partners Hat Mesa, LLC		25.00000000%
	Total	100.00000000%

Record Title Owner Tract 1		
COG Operating LLC		100,00000000%
	Total	100.00000000%

Record Title Owner Tract 2		
COG Operating LLC		100.00000000%
	Total	100.00000000%
Record Title Owner Tract 3		
Advance Energy Partners Hat Me	sa, LLC	100.00000000%
	Total	100.00000000%
Record Title Owner Tract 4		
Advance Energy Partners Hat Me	sa, LLC	100.00000000%
	Total	100.00000000%

Unit Working Interest	
COG Operating LLC	63.800000000%
Advance Energy Partners Hat Mesa, LLC	34,70500000%
Chevron U.S.A., Inc.	1,30000000%
Bullhead Energy, LLC	0.19500000%
Total	100.00000000%

E. G. L. Resources, Inc.
Newman Resources, LLC
Printz II, LLC
S.E.S. Energy Ltd.
S.E.S. Oil & Gas, Inc.
Starck Family Oil & Gas, LLC

Unmarketable Title Owners

Overriding Royalty Interest Owners	
Liberty Energy Corporation	- 1
Mike Petraitis	
PBEX Resources, LLC	- 1
	- 1
	- 1



Via Federal Express

Luke Bedrick, CPL Senior Landman COG Operating LLC One Concho Center 600 West Illinois Avenue Midland, Texas 79701

Main: 432-683-7443 Direct: 432-686-3000 LBedrick@concho.com

.

January 24, 2019

Working Interest Owners – Attached Listing

Re: Well Proposal - Boone 16 State Com 4H

Section 9: W½W½ Section 16: W%W%

Township 21 South, Range 33 East, N.M.P.M.

SHL: 400' FNL & 660' FWL, or an approved location in Unit D (Sec. 21) BHL: 50' FNL & 660' FWL, or an approved location in Unit D (Sec. 9)

Lea County, New Mexico

# Gentlemen:

COG Operating LLC ("COG"), as Operator, hereby proposes the drilling and completion of the Boone 16 State Com 4H well as a horizontal well at the above-captioned location, or at a legal location as approved by the governing regulatory agency, to a TVD of approximately 11,725' and a MD of approximately 21,900' to test the Bone Spring formation ("Operation"). The total cost of the Operation is estimated to be \$13,595,830 and a detailed description of the cost is set out in the enclosed Authority for Expenditure ("AFE").

COG is proposing to drill and complete this well under the terms of the AAPL Form 610-1989 (Horizontal Modified) Operating Agreement which is enclosed for your review. The Operating Agreement covers the W½W½ of Sections 9 and 16, T21S-R33E, Lea County, New Mexico ("Contract Area") and contains general provisions:

- 100% / 300% Non-consenting penalty
- \$7,000/\$700 Drilling and Producing rate
- COG Operating LLC named as Operator

Please indicate your participation election in the proposed Operation by signing in the space provided on page 2, sign and return this letter, along with a signed copy of the enclosed AFE and a copy of your geologic well requirements. A self-addressed, postage paid envelope is enclosed for your convenience. If you do not wish to participate, COG proposes to acquire your interest via term assignment. It will have the following general provisions:

- 3 year primary term
- Delivering a 80% NRI, proportionately reduced
- \$750 per net acre bonus consideration

The Term Assignment offer terminates February 28, 2019 and is subject to the approval of COG's management and verification of title.

Boone 16 State Com 4H January 24, 2019 Page 2

If an agreement cannot be reached within 30 days of the date of this letter, COG will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into a spacing unit for the proposed well if uncommitted at such time.

If you have any questions, please do not hesitate to contact the undersigned at 432-686-3000.

Respectfully, COG OPERATING LL  Luke Bedrick, CPL Senior Landman Northern Delaware	ich
LB:lr	*
Encl.	
	I/we hereby elect to participate in the Boone 16 State Com 4H.  I/we hereby elect not to participate in the Boone 16 State Com 4H.
Company or Individual Name:	
By:	
Name:	
Title:	
Date:	

Boone 16 State Com 4H January 24, 2019 Page 3

# **Working Interest Owners**

Advance Energy Partners, LLC 11490 Westheimer Road, Suite 950 Houston, TX 77077

Chevron U.S.A. Inc. 6301 Deauville Blvd. Midland, TX 79706

Bullhead Energy, LLC P. O. Box 3445 Midland, TX 79702

EOG Resources Inc. 5509 Champions Dr. Midland, TX 79706

WELL NAME:	BOONE 16 STATE COM 4H	PROSPECT NAME:	Zeus 2133 (717079)	
SHL: Sec. 21	400 FNL&660 FWL or an approved location in Unit D	STATE & COUNTY:	New Mexico, Lea	
BHL: Sec. 9	50 FNL&660 FWL or an approved location in Unit D	OBJECTIVE:	Drill and Complete	
FORMATION:	3rd Bone Spring Sand	DEPTH:	21,900	
LEGAL:	Sections 9 & 16, T21S-H33E	TVD;	11,725	

344010 3 10, 12.3 1000				110		1,117.50			
		Drig - Rig				Tank Bitty		Pmpg	TOTAL
INTANGIBLE COSTS  Otto/Curative/Permit	201	Release(D) 20,000		Completion(C)		Constrctn(TB)		Equipment(PEQ)	TOTAI 20,
nsurance	202	2,500	302			maker turning the			2,
Damages/Right of Way	203	20,000			351			400000000000000000000000000000000000000	20.
Survey/Stake Location	204	7,000	- 000	to the later	352			Υ .	7,
ocation/Pita/Road Expense	205	135,000	305	10,000	353	58,000	366		203,
Hilling / Completion Overhead	206	8,400	306					ALC: NAME OF PERSONS ASSESSED.	23.
umkey Contract	207	0							
ootage Contract	208	0		A LANGUAGE CONTRACTOR		and the second s		AND RESIDENCE AND ADDRESS.	
Daywork Contract	209	720,000						A CONTRACTOR OF THE PARTY OF TH	720,
irectional Drilling Services	210	243,000				The second secon			243,
no Equipment	210	540,000	307	1,829.000					1,829,
rac Chemicals			308	473,000				ATT TABLE CAR SHE SEE	473.
			309	814,000					B14,
rac Proppant			310	399,000				1.16.1	399.
ac Proppant Transportation		152,000			054		007		220,
el & Power	211		311	68,000	354		367		1,071,
alor	212	105,000	312	966,000			368 369		96
is	213	92,000	313	4,500			370		120.
d & Chemicals	214	95,000	314	25,000		AND DESCRIPTION OF THE PARTY OF	3/0		120,
fil Stem Test	215	0	316						
oring & Analysis	216	0							
ement Surface	217	37,000		THE RESERVE OF THE PARTY OF THE		THE RESERVE OF THE PERSON NAMED IN			37,
ment Intermediate	218	60,000		A STATE OF THE PARTY.		THE PARTY OF THE P		F	60,
ment 2nd Intermediate/Production	219	130,000		Apple Services					130,
ment Squeeze & Other (Kickoff Plug)	220	0		THE PROPERTY OF THE PERSON NAMED IN		And the same	371		
sat Equipment & Centralizers	221	50,000		- 1-2/ NOTES		The second		31 See F1 See Se	50,
ising Crews & Equipment	222	52,000		-				2 - 2 - 2 - 2	52.
hing Tools & Service	223		323				372		7
ologic/Engineering	224	7,200	324		355		373		7
intract Labor	225	6,500	325	20,000	356	250,000	374	6,500	283
ompany Supervision	226	50,400	326	15,000	357		375		65
ontract Supervision	227	123,000	327	255,000	356		376	5.000	383
sting Casing/Tubing	228	30,000	328	5,000			377	-	35
d Logging Unit	229	36,000	329			Section Section		-The Charles	36
gging	230	0		A STANDARD OF			378		
erforating/Wireline Services	231	4,000	331	588,000			379		592
mulation/Treating			332	397,000			380		397
empletion Unit		And the second second	333	138,000			381	8,800	146
vabbing Unit			334	100,000			382		
	235	150,000	335	403,000	359	31,000	383	7,000	591
ntals-Surface	236	135,000	336	30,000	208	31,000	384	- 7,000	165
ntals-Subsurface			337	20,000	380		385	3,000	223
cking/Fordit/Rig Mobilization	237	200,000			381	107.000	386	3,000	115
alding Services	238	3,000	338	5,000	362	107,000	387		236
ater Olsposal	239	0		60,000	362	178,000	387		
g to Abandon	240	0	340						
Namic Analysis	241	0	341				222		
scellaneous	242	0	342				389		
entingency	243	54,000	343	250.000	363		390		304
osed Loop & Environmental	244	275,000		5.000	354		388		280
nd Diesel	245		345	464.000					
Tubing II		HHERE SOME SHOW	346	750,000					750
owback Craws & Equip		1.70	347	48,000					48
fset Directional/Frac	248		348			1000	391	40,000	40
TOTAL INTANGIBLES		3,003,000		8,076,500		622,000		70,300	11,771
ANGIBLE COSTS									
rface Casing	401	65.000							65
ermediate Casing	402	169,000		THE SAME OF SAME					169
oduction Casing/Liner	403	361,000						- In the Vent No.	361
bing			504	52,030			530	5,000	57
Hihead Equipment	405	28,000	505	22,000			531	3,000	53
	-400	20,000	543	22,000			506	96,000	96
mping Unit				0		Parallel Services	507	30,000	
							508	55,000	55
ds			509				532	5,000	5
mps-Sub Surface (BH)			<b>a</b> 49	and County County	510	80,000	JJE	5,000	80
nks								Co. Company of Assessment	36
wines					511	38,000			144
ater Treater/Separator					512		200	47.000	
actrical System			4_ 1	7-1-10	513	80,000	533	15,000	95
ckers/Anchors/Hangers	414		514	66,000			534	2,000	68
uplings/Fittings/Valves	415				515	360,000		THE RESERVE THE PARTY.	380
hydration		The second second			517				
action Plant/CC2 Equipment		I dix - hard-		IN THE PARTY OF STREET	51B				
mps-Surface		THE STATE OF			521	9,000		THE PARTY OF THE P	9
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icelinnecus	419		519		523	51,000	535	3,000	54
ntingency	420		520		524		536		9-
ters/LACT		THE PERSON NAMED IN			525	13,000			13
res/Combustors/Emission		PLC-PERSONAL PROPERTY.		ALSO DE A	526	29,000		1 CANCE   \$12 SAME	29
s Lift/Compression		- CHICKNEY	527	15,000		23,000	52B		38
TOTAL TANGIBLES		623,000		155,030		855,000		191,000	1,824
TOTAL WELL COSTS		3,626,000		8,232,000		1,477,000		261,300	13,595
TOTAL HELL GOSTS		3,040,000		0.202,000					- iomaa
% of Total Well Cost		27%		61%		11%		2%	
G Operating LLC				2.78				,	
		ALCOHOL MANAGEMENT							
		Date Prepared:		1/17/19					
		COR Committee LLC							
acomus:		COG Operating LLC							
approve:% Working Interest		ey.		RM-JV-KL-PS					
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mpany: Advance Energy Partners, LLC									
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nted Name:		This SEE is not no and	mat :	Bu elemine ver		ur cham			
		THIS ARE IS ONLY AT ASSIST	riPIA.	By signing you agree to p	MIN VE	nu allami			

This AFE is only an estimate. By signing you agree to pay your share of the actual costs incurred.

WELL NAME:	BOONE 16 STATE COM 4H	PROSPECT NAME:	Zeus 2133 (717079)	
SHL: Sec. 21	400 FNL&660 FWL or an approved location in Unit D	STATE & COUNTY:	New Mexico, Lea	
BHL: Sec. 9	50 FNL&660 FWL or an approved location in Unit D	OBJECTIVE:	Drill and Complete	
FORMATION:	3rd Bone Spring Sand	DEPTH:	21,900	
LEGAL:	Sections 9 & 161, T21S-R33E	TVD:	11,725	

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INTANGIBLE COSTS Title/Curalive/Permit	201	Drig - Rig Release(D) 20,000		Completion(C)		Tank Bitty Constrctn(TB)		Pmpa Equipment(PEQ)	TOTAL
Insurance	202			The same of the same of		To the state of th		- 1000 Market Land	20,000
Damages/Right of Way	203	20,000			351		•	SALE PROPERTY.	20,00
Survey/Stake Location	204			2-20	352			AND THE RESERVO	7,00
Location/Pits/Road Expense	205				353	58,000	366		203,00
Drilling / Completion Overhead Tumkey Contract	206			15,000		AND DESCRIPTION OF THE PERSON			23,40
Footage Contract	208			A PROPERTY OF THE PARTY OF					
Daywork Contract	209			THE RESERVE THE PARTY OF THE PA		ATTEMPT OF THE PARTY OF THE PAR			720,00
Directional Onling Services	210			THE WATER A STREET		WINDS THE RESERVE		4.1-2-1-2-2-2-3	243,00
Frac Equipment		بالملالب والمساد	307			Light All the street, in		The last lines of the last lin	1,829,00
Free Chemicals		Afternoon Littlebook	308			PERSONAL PROPERTY.			473,00
Free Proppent			309			THE THE PERSON		2 m 5654066	814,00
Frac Proppant Transportation Fuel & Power	211	152,000	310		354			12 PM 10 10 10 10 10 10 10 10 10 10 10 10 10	389,00
Water	212				354	the second residence of the second se	367		220,00
Gits	213					A STATE OF THE RESIDENCE OF THE RESIDENC	369	<del></del>	1,071,00
Mud & Chemicals	214	95,000				TV 120 C-1	370		120,00
Onlt Stem Test	215	0	315			NUMBER OF STREET		and an extension of the second	
Coring & Analysis	216	0		THE RESERVE		ATTENDED TO STATE OF			
Coment Surface	217	37,000				A-6-948-1-		- 42	37,00
Cement Intermediate Cement 2nd Intermediate/Production	218	60,000		THE RESERVE		THE PERSON NAMED IN COLUMN 2 I			60,00
Cement Squeeze & Other (Kickoff Plug)	219	130,000		7 - 7 - 7 - 7		1000	371		130,00
Float Equipment & Centralizers	221	50,000		Visited Street			5/1		50,00
Casing Craves & Equipment	222	52,000	5	Part of Smith		all and our		- 84 - 144	52.00
Fishing Tools & Service	223					24mm2 News245	372		02,00
Geologic/Engineering	224	7,200			355		373		7,20
Contract Labor	225	6,500	325		358	250,000	374	6,500	283.00
Company Supervision Contract Supervision	228	50.400 123,000	326	15,000 255,000	357 358		375		65,40
Testing Casing/Tubing	228	30,000	328		335		376 377	5,000	383,00
Mud Logging Unit	229	36,000	329	5,000		CANCEL SEC.	311	English or any	35,000
Logging	230	0		and the second			378		
Perforating/Wireline Services	231	4,000	331	588,000		THE RESERVE OF STREET	379		592,000
Stmulation/Treating			332	397,000		7 THE R. P. LEWIS CO., LANSING, MICH.	380		397,000
Completion Unit			333	138,000			381	8,800	146,800
Rentals-Surface	235	150,000	335	403,000	359	31,000	382 383	7 000	
Pentats-Subsurface	236	135,000	336	30,000	333	31,000	384	7,000	591,000 185,000
rucking/Forkiifuftig Mobilization	237	200,000	337	20,000	360		385	3,000	223,000
Velding Services	238	3.000	338	5,000	381	107,000	386		115,000
Water Disposal	239	0	339	60.000	362	176,000	387		236,000
Piug to Abandon	240	0	340			OF SHOWING LY		SEPTEMBER OF DEL	
Selsmic Analysis Viscellaneous	241	0	341			100000000000000000000000000000000000000	389		
Contingency	243	54,000	343	250,000	363		390		304,000
Closed Loop & Environmental	244	275,000	344	5,000	364		388		280,000
Dyed Dieset	245		345	484,000		substitution of the Control		Vicinity Cons	
Coll Yubing		0/000 v.055W	346	750,000		BUTCH THE STATE OF		. Charles Mark	750,000
Flowback Crows & Equip		VEHICLE ALLEYS	347	48,000		FORTE OF LINE		THE STREET STORY	48,000
Offset Directional/Frac TOTAL INTANGIBLES	248	3,003,000	348				391	40,000	40,000
TOTAL INTERNATIONAL		3,003,000		8,076,500		622,000		70,300	11,771,800
FANGIBLE COSTS									
Surface Casing	401	65,000							85,000
ntermediate Casing	402	169,000		UPVALISHED VIC				- VI	169,000
roduction Casing/Liner	403	361,000		The second		-		Table 1/4 - Inch	361,000
ubling			504	\$2,030		- A 10 - 2 - 1	530	5,000	57,030
Velhead Equipment	405	28,000	505	22,000		23 - 363 1 4 -	531	3,000	53,000
rime Mover				0			508	98,000	98,000
ods				0			507 508	0	(
umps-Sub Surface (BH)		CANAL TRANSPORT	509			E-62000 - 1019	532	55,000	5,000
anks		J. 1815-1		1210,	510	80,000		0,000	80,000
lowlines		Pin ISA			511	38,000			36,000
feater Treater/Separator		HE HAVE BEEN			512	144,000		5#35 E-1096	144,000
lectrical System  ackers/Anchors/Hangers	444				513	60,000	533	15,000	95,000
coplings/Fittings/Valves	414		514	66,000	515	360,000	534	2,000	68,000
Pehydration	713				517	380,000	,	1.14	360,000
sjection Plant/CO2 Equipment		491,75.0			510			1	
umps-Surface		1000 B 1000			521	9,000			9,000
nstrumentation/SCADA/POC		THE WAY WAS A P.			522	30,000	529	7,000	37,000
llscelluneous	418		519		523		535	3,000	64,000
eters/LACT	420		520		524		536		0
area/Combustors/Emission					525 526	13,000			13,000
as Lift/Compression		THE RESIDENCE	527		516	23,000	528		38,000
TOTAL TANGIBLES		623,000		155,030		855,000		191,000	1,824,030
TOTAL WELL COSTS		3,626,000		8.232,000		1,477,000		261,300	13,695,830
% of Total Well Cost		27%		61%		119			
OG Operating LLC		2176		01%		11%		2%	
		Data Present		-14					
		Date Prepared:	_	1/17/19					
		COG Operating LLC							
/e approve: % Working Interest		By:		AM-JV-KL-PS					
at the same of the							_		
ompany: Chevron U.S.A. Inc.									
Inted Name:		I	20						
le:		This AFE is only an estim	ato. I	By signing you agree to pa	y you	r share			

WELL NAME:	BOONE 16 STATE COM 4H	PROSPECT NAME:	Zeus 2133 (717079)	
SHL: Sec. 21	400 FNL&660 FWL or an approved location in Unit D	STATE & COUNTY:	New Mexico, Lea	
BHL: Sec. 9	50 FNL&660 FWL or an approved location in Unit D	OBJECTIVE:	Drill and Complete	
FORMATION:	3rd Bone Spring Sand	DEPTH:	21,900	
LEGAL:	Sections 9 & 16, T21S-R33E	TVD:	11,725	

NTANGIBLE COSTS		Drig - Rig Release(D)		Completion(C)		Tank Bitty Constroin(TB)		Pmpg Equipment(PEQ)	TOTAL
Title/Curative/Permit	201	20,000		COMPLEMENTO		Consucuition		Eddiningittedi	20,
nsurance	202	2,500	302			The Publication of		THE RESIDENCE OF THE PARTY OF	2,
Damages/Right of Way	203	20,000	303		351			BY A TO A STATE OF	20,
Survey/Stake Location	204	7,000	ĝ.	and the same	352				7,
ocation/Pits/Read Expense	205	135,000	305	10,000	353	58,000	366		203,
Onling / Completion Overhead	206	8,400	306	15,000		ACCUPATION OF THE		REMITTED TO THE SECOND	23,
furnkey Contract	207	0	8	promote delical		15 (8)		A STATE OF THE STA	
Footage Contract	208	0		ALCOHOL:		10 /5			
Paywork Contract	209	720,000		re-collegen (*organical)		childrenge on the		HOUSE HOUSE AN	720,
rectional Orilling Services	210	243,000	2 _	Committee of the control of the cont		SHOW THE REAL PROPERTY.		Company of the party	243,
rac Equipment			307	1,829,000				Section 1997	1,629,
rec Chemicals		CONTRACTOR ACTION	308	473,000					473,
rec Proppant		DOMESTIC STATE	309	814,000				THE CONTRACT OF	814,0
rac Proppant Transportation		The second section	310	399,000		Charter and		- XX	399.0
uel & Power	211	152,000	311	68,000	354		367		220,0
fator	212	105,000	312	966,000		4.00	368		1,071,0
5	213	92,000	313	4,500		VIOLETTICS TO SERVICE	369		96,
ud & Chemicals	214	95,000	314	25,000		CONTRACTOR STATE	370		120,0
rill Stom Test	215	0	315			W1750958-071/W			
oring & Analysis	216	0	8			Committee and the same			
ement Surface	217	37,000		STATE OF THE RES		1 - 2 - 4 - 4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		WITH MANAGED A	37.0
ment Intermediate	218	60,000		THE RESERVE AND ADDRESS.		ATTIC TO BE STORY		ALTO DESCRIPTION OF THE PARTY.	60,0
ement 2nd intermediate/Production	219	130,000	8			THE PARTY OF THE PARTY.		C. 100 Sc 90 Sept.	130,0
emant Squeeze & Other (Kickoff Plug)	220	0	5	2		Getting all and	371		
oet Equipment & Centralizers	221	50,000		A CONTRACTOR		Property Company of the		SI - OVERNOUS INC.	50,6
asing Craws & Equipment	222	52,000	ć	NAME OF STREET		1000000		and Different Comments	52,6
shing Tools & Service	223	0	323			A PRINCIPLE STATE	372		
eologic/Engineering	224	7,200	324		355		373		7.
ontract Labor	225	6,500	325	20,000	356	250,000	374	6,500	283,
ompany Supervision	226	50,400	326	15,000	357	33,340	375	- Julie	65.
ontract Supervision	227	123,000	327	255,000	358		376	5,000	383.
esting Casing/Tubing	228	30,000	328	5.000			377	5,550	35,
ud Logging Unit	229	36,000	329						36,
	230	30,000	259	The second second second			378		30,
erging arforating/Wireline Services	231	4,000	331	588,000		Total Control	379		592,
inutation/Treating	231	*.000	332	397,000			380		397,
			333	138,000			381	8,600	146.
ompletion Unit			334	130,000			382	0,000	140.
wsbbing Unit	005	100,000		403.000	359	21.000	383	7,000	591,0
entals-Surface	235	150,000	335	403,000	359	31,000		7,000	
entals-Subsurface	238	135,000	336	30,000	***		384		185,
ucking/Forklift/Rig Mobilization	237	200,000	337	20,000	360		385	3,000	223,0
elding Services	238	3,000	338	5,000	361	107,000	386	$\overline{}$	115.
ater Disposal	239	0	339	60,000	362	176,000	387		236,
ug to Abandon	240	. 0	340					ALL ACTION DATE OF THE PARTY OF	
eismic Analysis	241	0	341						
scellaneous	242	0	342				389		
ontingency	243	54,000	343	250,000			390		304,0
osed Loop & Environmental	244	275,000	344	5,000	364		358		280,
yed Diesel	245		345	484,000				The second second	
gnidaT llo			346	750,000				ACCUPATION DOTTER	750,
owback Craws & Equip			347	48,000					48,
fiset Directional/Frac	248		348				391	40,000	40,
TOTAL INTANGIBLES		3,003,000		8,076,500		622,000		70,300	11,771,
ANGIBLE COSTS									
urfece Casing	401	65.000		27.10 LL L		OCT HELENOOP		RECUIR OF	65,0
termediate Casing	402	169,000		2005/71/05/2009		THE COMPANY AND ADDRESS.			169,
oduction Casing/Liner	403	361,000		THE RESERVE		10 May 10			361,
bling			504	52,030		Total Control of the Control	530	5,000	57,
elhead Equipment	405	28,000	505	22,000		THE RESERVE	531	3,000	53,
umping Unit		make an adoption		A		Comment of the second	506	96,000	96,
ime Mover		THE RESERVE		0		23 (cd., 60kg)	507	0	
ods .		75-0014-014-016-0		0			508	56,000	55,
imps-Sub Surface (BH)		Ball Wilde	509				532	5,000	5,
nks		- Washington		AND RESIDENCE.	510	80,000			60,
owlines		Life is became			511	36,000		Unidatible:	36,
nator Treater/Separator		TO SHATTER S		Time the freehouse	512	144,000		DESCRIPTION AND DESCRIPTION AN	144,
actrical System		100 PM 100 PM		armin med	513	80,000	533	15,000	95,
ackers/Arichors/Hangers	414		514	66,000		0.000	534	2,000	68.
ouplings/Fittings/Valves	415			WE 181	515	360,000		Lie Chiefer	360,
opengs/rangs/varves shydration	710	7 - 1 - 10 10		220000	517	400,400		of the particular transfer of	
ection Plant/CO2 Equipment				HOW YOU THIS SHAPE	518			THE RESERVE	
				THE RESIDENCE	521	9,000		Charles and a second	9.
mps-Surfece trumentation/SCADA/POC					522		529	7,000	. 37,
scellaneous	419		519		523	51,000	535	3.000	54,
	420		520		524	0.1000	536	5,000	
ntingency	720	The state of the s	V24		525	13,000	500		13,
ters/LACT				and the second	526	29,000			29,
res/Combustors/Emission			207				500		
a Litt/Compression			527	15,000	516	23,000	528	101.000	38,
TOTAL TANGIBLES		523,000		155,030		855,000		191,000	1.824.
TOTAL WELL COSTS		3,526,000		8,232,000		1,477,000		261,300	13,595,
% of Total Well Cost G Operating LLC		27%		61%		11%		2%	
		Date Prepared:		1/17/19					
		COG Operating LLC		927 NAZZ 2244					
e approve:		By:		AM-JV-KL-PS				•	

# Laura Reyna

From:

TrackingUpdates@fedex.com

Sent:

Monday, January 28, 2019 11:38 AM

To:

Laura Reyna

Subject:

[External] FedEx Shipment 774315888300 Delivered

\*\*\*\* External email. Use caution. \*\*\*\*

Your pack

Your package has been delivered

Tracking # 774315888300

Ship date:

Fri, 1/25/2019

Laura Reyna

COG OPERATING LLC Midland, TX 79701

US

× -----

Delivered

Mon, 1/28/2019 11:34 am

11:34 am

Delivery date:

EOG Resources Inc

Boone 4H Well Proposal

5509 Champions Dr

MIDLAND, TX 79706

US

**Shipment Facts** 

Our records indicate that the following package has been delivered.

Tracking number:

774315888300

Status:

Delivered:

01/28/2019 11:34 AM

Signed for By: L.LOPEZ

Signed for by:

**L.LOPEZ** 

**Delivery location:** 

MIDLAND, TX

Delivered to:

Mailroom

Service type:

FedEx Priority Overnight®

Packaging type:

FedEx® Pak

Number of pieces:

1

Weight:

1.00 lb.

Special

Deliver Weekday

handling/Services:

Standard transit:

1/28/2019 by 12:00

pm

	BOONE 16 STATE COM 4H	PROSPECT NAME:	Zeus 2133 (717079)	
SHL: Sec. 21	400 FNL&660 FWL or an approved location in Unit D	STATE & COUNTY:	New Mexico, Lea	
BHL: Sec. 9	50 FNL&660 FWL or an approved location in Unit D	OBJECTIVE:	Drill and Complete	
FORMATION:	3rd Bone Spring Sand	DEPTH:	21,900	
LEGAL;	Sections 9 & 16, T21S-R33E	TVD:	11,725	

Telescore   Tele	- Wi					11,720			
Management	INTANGIBLE COSTS	•	Release(D)	Completion(C)					TOI
				NAME OF THE PARTY		JUNEAU SERVICOS		THE RESERVE OF THE PARTY OF THE	2
Committed   Comm									
Section								THE STATE OF THE STATE OF	20
The content of the							TOTAL STATE		
Committed   Comm			The state of the s			58,000	366		200
Comparison				15,000		A STATE OF THE STA		The second second	2:
## Special Control Children (Control Children (C				No of the latest and		Halle Colombia co.		Q YEAR W	
Processor   Proc				CONTRACTOR OF THE PARTY OF THE		A THE RESERVE		to mily income to	
The September of Chemicals				V - 1704		CONTRACTOR OF STREET		The state of the s	720
The September   10	Prectional Drilling Services	210	243,000	STATE OF STREET PROPERTY.	ī	WHEN THE SECTION AND ADDRESS.		- STEEL STATE OF THE	243
The Charlesian	rac Equipment		30	1,829,000		ALREAD MARKET AND		CONTRACTOR OF THE PARTY OF THE	1,829
The Proposed	rac Chemicals								473
Math Property   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000   150,000									
Main   Property   11   150,000   11   150,000   15   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,000   15   180,00									814
Part								Prepareting in a	399
15									220
15		212	105,000 31	2 966,000			368		1,071
Part   Chemistry   Part   Pa		213	92,000 31	3 4,500	0.5	The state of the s	369		96
## Shen Pate   215	ud & Chemicals	214	95,000 31	4 25,000			370		120
Section   Column	riil Stem Test	215			•				
				The second section of the second					
### Interest Sequence   216   60,000   17   17   17   17   17   17   17						T. T. DOLLARS NO.		THE RESIDENCE	
Image: September Official Project   100,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000   110,000									37
### SECOND   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   1997   199				A SECTION AND ADDRESS OF THE PARTY OF THE PA		300		THE RESIDENCE OF	60
Part		219	130,000	Marie Company of the		ACCRECATE OF THE		and the second second second	130
Self-Segrent A Control Segrent Control Segre	sment Squeeze & Other (Kickoff Plug)	220	0			T-100-11-11-12-15	371		
### Spring Tools & Surviver  223					3	The street of the street	- 1	Market and Company	50
### Profess Savered   223   0 933   372   1				Color State Color Color					
Selectific presents   224   7,000   244   955   373   6,000   274   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   275   27				1					52
Detailed Liber   225   6,000   285   70,000   36   25,000   374   6,500   25   25,000   385   25,000   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375   375					1	-			
Second content   Second color   Se									7
Section   Sect					356	250,000	374	6,500	283
Semest Spering Cashory/Todory   222   32,000   327   255,000   358   379   5,000   377   33   301   308   301   309   301   308   301   308   301   308   301   308   301   308   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   301   30	empany Supervision	226	50,400 32		357	- 300 1100300		Control of the Contro	65
Select Carbon   Select Carbo								5,000	383
Section   Sect								3,000	
1969   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974   1974					0		3//		35
## decarphyrivenian Services  ## dec					en :	ALTERNATION OF THE PARTY.			36
Immunisted Primaring   332   397,000   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   380   3						2.725			
Intelligent   19		231	4,000 33	588,000		AND RESIDENCE.	379		592
Intellist Control	imulation/Treating		33	2 397,000			380		397
	ompletion Unit		33			40.000.000		8.800	146
Intelled SubtrustReco								0,000	140
### Profess Substantion		226				21.000			**
Acking Post/Post   Acking Services   238   3,000   337   20,000   390   391   30,000   328   3,000   328   3,000   328   3,000   338   5,000   381   107,000   397   328   3,000   338   5,000   381   3,000   397   328   3,000   338   5,000   392   176,000   397   328   3,000   339   3,000   339   3,000   397   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000   3,000					359	31,000		7,000	591
## Befing Servince ## 238   3.00   338   5.00   361   107,000   366   311   107,000   367   323   333   333   333   333   334   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335   335							384		165
## ## ## ## ## ## ## ## ## ## ## ## ##	ucking/Forkilft/Rig Mobilization	237	200,000 33	7 20,000	360		385	3,000	223
Alter Disposal   239	elding Services	238	3,000 33	5,000	361	107,000	386		115
19	ater Disposal	239	0 33		362				236
Selection Apply   Section						17 0,000	•••		200
Seedimonous   242   0 342   388   388   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389   389									_
243   5.0,00   343   260,000   363   390   30   30   30   30   30   30						-			
244   275,000   344   5,000   364   388   226									
## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 145000 ## 1450000 ## 1450000 ## 1450000 ## 1450000 ## 1450000 ## 1450000 ## 1450000 ## 1450000 ## 1450000 ## 1450000 ## 1450000 ## 1450000 ## 1450000 ## 1450000 ## 1450000 ## 1450000 ## 1450000 ## 1450000 ## 1450000 ## 1450000 ## 1450000 ## 1450000 ## 1450000 ## 14500000 ## 1450000 ## 1450000 ## 1450000 ## 1450000 ## 1450000 ## 1450000 ## 1450000 ## 14500000 ## 14500000 ## 14500000 ## 14500000 ## 14500000 ## 14500000 ## 14500000 ## 14500000 ## 14500000 ## 145000000000000000000000000000000000000				250,000	363		390		304
## 1 Number   245   345   494,000   348   750,000   349   750,000   349   750,000   349   750,000   349   349,000   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349   349	osed Loop & Environmental	244	275,000 344	5,000	364		388		280
Stubing   348   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000   750,000	red Diesel	245	345	484,000					
Sephency Convert & Equip	Tubing		346					CONTRACTOR OF THE PARTY OF THE	750
Main						Table 1999 Block Tolland		Total Control of Control	
TOTAL INTANGIBLES   3,003,000   8,076,500   822,000   70,300   11,77		240						- 12.222	48,
## ANGIBLE COSTS  Ifface Casing		240					391		40.
162   162   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169   169	TOTAL INTANGIBLES		3,003,000	8,076,500		522,000		70,300	11,771,
### description of the control of th	0040240405000100100								
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LENCOmpression	es/Combustors/Emission			1	526			Park Comment	29.
1,822   1,823   1,824   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,825   1,82			527	15,000			SOR		38,
### TOTAL WELL COSTS    3,626,000   8,232,000   1,477,000   261,300   13,586								101.000	
G Operating LLC % of Total Well Coat 27% 61% 11% 2%    Date Prepared: 117/19				155,030					1,824,
G Operating LLC	IOTAL WELL COSTS		3,626,000	8,232,000		1,477,000		261,300	13,595,
approve:	% of Total Well Cost G Operating LLC		27%	61%		11%		2%	A STATE OF THE STA
approve:% Working interest			Date Prepared:	1/17/19					
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npary: EOG Resources Inc.	a arrain B surfaces		97:	NM-UV-RL-PS			_		
WEAR TO THE TOTAL THE TOTA	mpany: EOG Resources Inc.								
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	d Name:		Maria de Maria de La Carta de						

This AFE is only an estimate. By signing you agree to pay your share of the actual costs incurred.

# Laura Reyna

From:

TrackingUpdates@fedex.com

Sent:

Monday, January 28, 2019 11:53 AM

To:

Laura Reyna

Subject:

[External] FedEx Shipment 774315866692 Delivered

\*\*\*\* External email. Use caution. \*\*\*\*

×

# Your package has been delivered

Tracking # 774315866692

Ship date:

Fri, 1/25/2019

Laura Reyna

COG OPERATING LLC

Midland, TX 79701

US

Delivery date:

Mon, 1/28/2019

11:49 am

Chevron USA INC

Boone 4H Well Proposal

6301 Deauville BLVD MIDLAND, TX 79706

US

**Shipment Facts** 

Our records indicate that the following package has been delivered.

Tracking number:

774315866692

Status:

Delivered: 01/28/2019

Delivered

11:49 AM Signed for

By: J.LAURANCE

Signed for by:

J.LAURANCE

**Delivery location:** 

MIDLAND, TX

Delivered to:

Shipping/Receiving

Service type:

FedEx Priority

Overnight®

Packaging type:

FedEx® Pak

Number of pieces:

1

Weight:

1.00 lb.

Special

Deliver Weekday

handling/Services:

Standard transit:

1/28/2019 by 12:00

pm

Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 11:37 AM CST on 01/28/2019.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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Thank you for your business.

# Laura Reyna

From:

TrackingUpdates@fedex.com

Sent:

Monday, January 28, 2019 9:21 AM

To:

Laura Reyna

Subject:

[External] FedEx Shipment 774315913810 Delivered

# \*\*\*\* External email. Use caution. \*\*\*\*



# Your package has been delivered

Tracking # 774315913810

Ship date:

Fri, 1/25/2019

Laura Reyna

COG OPERATING LLC

Midland, TX 79701

US

Delivery date: Mon, 1/28/2019

9:19 am

Bullhead Energy, LLC

Boone 4H Well Proposat 3629 Lovell Ave Suite

Delivered 200

ATTN: Tate Savage FORT WORTH, TX

76107 US

# **Shipment Facts**

Our records indicate that the following package has been delivered.

×

Tracking number:

774315913810

Status:

Delivered: 01/28/2019

09:19 AM Signed for

By: M.MILLER

Signed for by:

M.MILLER

**Delivery location:** 

FORT WORTH, TX

Delivered to:

Receptionist/Front

Desk

Service type:

FedEx Priority

Overnight®

Packaging type:

FedEx® Pak

Number of pieces:

1

Weight:

2.00 lb.

Special

Deliver Weekday

Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 11:53 AM CST on 01/28/2019.

All weights are estimated

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

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# Laura Reyna

From:

TrackingUpdates@fedex.com

Sent:

Monday, January 28, 2019 9:45 AM

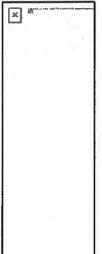
To:

Laura Reyna

Subject:

[External] FedEx Shipment 774315949854 Delivered

# \*\*\*\* External email. Use caution. \*\*\*\*



# Your package has been delivered

Tracking # 774315949854

Ship date:

Fri, 1/25/2019

Laura Reyna

COG OPERATING LLC

Midland, TX 79701

US

Delivery date: **Mon, 1/28/2019** 

9:41 am

Advance Energy

Partners, LLC

Boone 4H Well Proposal

11490 Westheimer Rd,

Suite 950

ATT: Paul Burdick HOUSTON, TX 77077

US

# **Shipment Facts**

Our records indicate that the following package has been delivered.

Tracking number:

774315949854

Status:

Delivered: 01/28/2019

Delivered

09:41 AM Signed for

By: D.DEERE

Signed for by:

D.DEERE

**Delivery location:** 

HOUSTON, TX

Delivered to:

Receptionist/Front

Desk

Service type:

FedEx Priority

Overnight®

Packaging type:

FedEx® Pak

Number of pieces:

1

Weight:

2.00 lb.

Special

Deliver Weekday

handling/Services:

Standard transit:

1/28/2019 by 10:30

am

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All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

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Thank you for your business.

# STATE OF NEW MEXICO DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES OIL CONSERVATION DIVISION

APPLICATION OF COG OPERATING LLC FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

**CASE NO. 20417** 

# **AFFIDAVIT OF CANDICE PETTIJOHN**

Candice Pettijohn, of lawful age and being first duly sworn, declares as follows:

- 1. My name is Candice Pettijohn. I work for COG Operating LLC ("COG") as a geologist.
- 2. I have previously testified before the New Mexico Oil Conservation Division as an expert witness in petroleum geology. My credentials as a petroleum geology have been accepted by the Division and made a matter of record.
- 3. I am familiar with the applications filed by COG in these cases and I have conducted a geologic study of the targeted third Bone Spring shale within the Bone Spring formation underlying the subject acreage.
- 4. COG is targeting third Bone Spring within the Bone Spring formation with its proposed **Boone 16 State Com 4H**.
- 5. **COG Exhibit No. 2A** is a project locator map that reflects COG's acreage in yellow. The path of the proposed wellbore for the **Boone 16 State Com 4H** depicted by a purple dashed line.
- 6. **COG Exhibit No. 2B** is a subsea structure map that I prepared on the top of the Wolfcamp Shale that is representative of the structure of the targeted intervals within the Bone Spring formation. The proposed well is depicted by a purple dashed line. Existing producing

CANDICE PETTIJOHN

county of Milland

SUBSCRIBED and SWORN to before me this 25th day of April 2019 by

Candice Pettijohn.

Becky Zindel
Notary Public, State of Texas
Notary ID 12941587-2
My Commission Exp. 07-10-2021

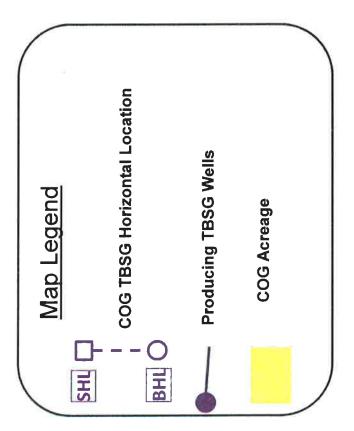
NOTARY PUBLIC

My Commission Expires:

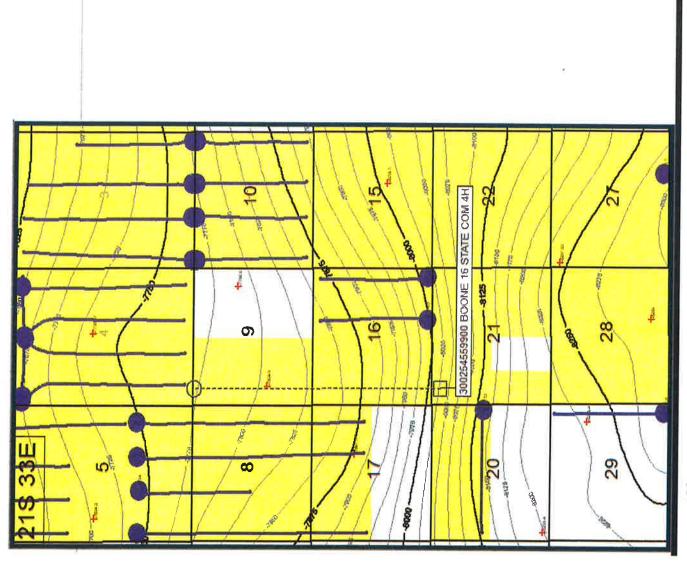
7/10/21

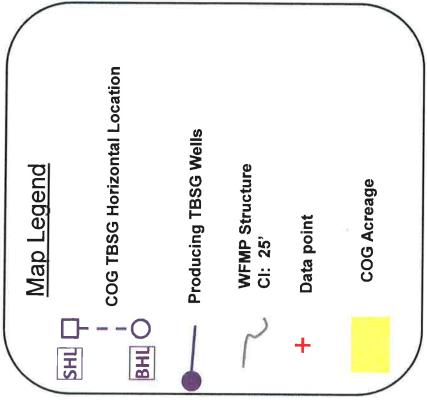
3





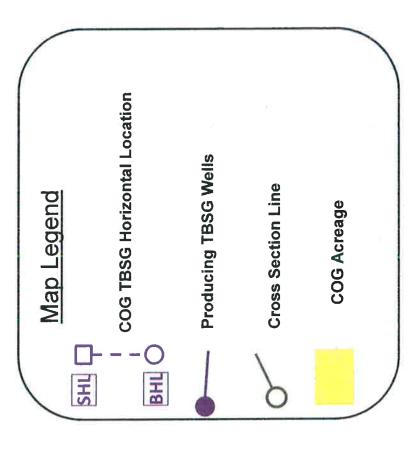














COG OPERATING LLC
CROCKETT STATE Plot Hoje 2H
2310 FNL 190 FEL
TWP: 21 S - Range: 33 E - Sec. 20

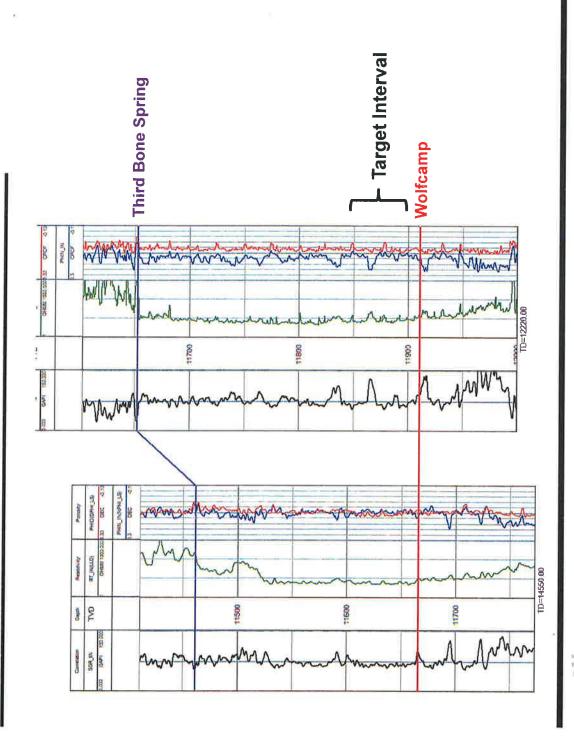
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9637 €

ASHER ENTERPRISES LIMITED COMPANY COMMANCHE STATE UNT 1 1980 FSL 660 FWL.

TWP. 21 S - Range: 33 E - Sec. 9

300253161900





# STATE OF NEW MEXICO DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES OIL CONSERVATION DIVISION

APPLICATION OF COG OPERATING LLC FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

**CASE NO. 20417** 

# **AFFIDAVIT**

STATE OF NEW MEXICO	)
	) ss.
COUNTY OF SANTA FE	)

Kaitlyn A. Luck, attorney in fact and authorized representative of COG Operating, LLC, the Applicant herein, being first duly sworn, upon oath, states that the above-referenced Application has been provided under the notice letters and proof of receipts attached hereto.

Kaitlyn A. Luck

SUBSCRIBED AND SWORN to before me this \_\_\_\_\_ day of May 2019 by Kaitlyn A.

Notary Public

My Commission

Luck.

Expires: \anvoy d8, 2023



Barcode	Recipient	Status
9.21489E+21	EOG Resources Inc 5509 Champions Drive Midland TX 79706	Delivered Signature Received POD Vlewed
9.21489E+21	Liberty Energy Corporation 175 Berkeley Street MST21-A214 Boston MA 02116	Delivered Signature Received
9.21489E+21	Mike Petraitis 1603 Holloway Ave Midland TX 79701	In-Transit
9.21489E+21	PBEX Resources LLC 223 W Wall Suite 900 Midland TX 79701	Delivered Signature Received
9.21489E+21	Newman Resources LLC PO BOX 10886 Midland TX 79702	Delivered
9.21489E+21	Printz II LLC 223 W Wall Street Midland TX 79701	Delivered Signature Received
9.21489E+21	S E S Energy Ltd PO BOX 10886 Midland TX 79702	Delivered
9.21489E+21	S E S OII & Gas Inc PO BOX 10886 Midland TX 79702	Delivered
9.21489E+21	Starck Family Oil & Gas LLC 190 E Stacy Road Suite 306-373 Allen TX 75002	Delivered Signature Received
9.21489E+21	Advance Energy Partners Hat Mesa LLC 11490 Westheimer Road Suite 950 Houston TX 77077	Delivered Signature Received
9.21489E+21	Chevron U S A Inc 6301 Deauville Blvd Midland TX 79706	Delivered Signature Received
9.21489E+21	E G L Resources Inc PO BOX 10886 Midland TX 79702	Delivered



Michael H. Feldewert
Recognized Specialist in the
Area of Natural Resources –
Oil and Gas Law – New Mexico Board
of Legal Specification
mfeldewert@hollandhart.com

April 12, 2019

# <u>VIA CERTIFIED MAIL</u> CERTIFIED RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re: Application of COG Operating LLC for compulsory pooling, Eddy County,

New Mexico.

Boone 16 State Com 4H Well

This letter is to advise you that COG Operating Inc. has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on May 2, 2019, and the status of the hearing can be monitored through the Division's website at http://www.emnrd.state.nm.us/ocd/. Division hearings will commence at 8:15 a.m. in Porter Hall at the Oil Conservation Division's Santa Fe Offices located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

Parties appearing in cases are required by Division Rule 19.15.4.13.B to file a Pre-hearing Statement four business days in advance of a scheduled hearing. This statement must be filed at the Division's Santa Fe office at the above specified address and should include: the names of the parties and their attorneys; a concise statement of the case; the names of all witnesses the party will call to testify at the hearing; the approximate time the party will need to present its case; and identification of any procedural matters that are to be resolved prior to the hearing.

If you have any questions about this matter, please contact Luke Bedrick at (432) 686-3000 or Lbedrick@concho.com.

Sincerely,

Michael H. Feldewert

ATTORNEY FOR COG OPERATING LLC

# CURRENT-ARGUS

# AFFIDAVIT OF PUBLICATION

Ad No. 0001283268

HOLLAND & HART PO BOX 2208

SANTA FE NM 87504

I, a legal clerk of the Carlsbad Current-Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

04/16/19

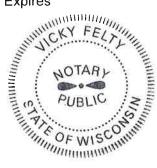
Legal Clerk

Subscribed and sworn before me this 16th of April 2019.

State of WI, County of Brown NOTARY PUBLIC

My Commission Expires

Ad#:0001283268 P O : Boone 16 State # of Affidavits :0.00



# STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION SANTA FE, NEW MEXICO

The State of New Mexico through its Oil Conservation Division hereby gives notice pursuant to law and the Rules and Regulations of the Division of the following public hearing to be held at 8:15 A.M. on May 2, 2019, in the Oil Conservation Division Hearing Room at 1220 South St. Francis, Santa Fe, New Mexico, before an examiner duly appoint for the hearing. If you are an individual with a disability who is in need of a reader, amplifier, qualified sign language interpreter, or any other form of auxiliary aid or service to attend or participate in the hearing, please contact: Florene Davidson at 505-476-3458 or through the New Mexico Relay Network, 1-800-659-1779 by April 22, 2019. Public documents, including the agenda and minutes, can be provided in various accessible forms. Please contact Florene Davidson if a summary or other type of accessible form is needed.

STATE OF NEW MEXICO TO: All named parties and persons having any right, title, interest or claim in the following case and notice to the public.

(NOTE: All land descriptions herein refer to the New Mexico Principal Meridian whether or not so stated.)

To:All overriding royalty interest owners and pooled parties, including: Advance Energy Partners Hat Mesa, LLC; Chevron U.S.A.Inc.; E. G. L. Resources, Inc.; Newman Resources, LLC Printz II, LLC; S.E.S. Energy Ltd; S.E.S. Oil & Gas, Inc.; Starck Family Oil & Gas, LLC; EOG Resources, Inc.; Liberty Energy Corporation: Mike Petraitis, his heirs and devisees; PBEX Resources, LLC.

CASE 20417 Application of COG Operating LLC for compulsory pooling, Eddy County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interest owners in the Bone Spring formation (WC-025 G-08 S213304D; Bone Spring Pool (97895)) underlying a 320-acre standard horizontal spacing unit comprised of the W/2 W/2 of Sections 9 and 16, Township 21 South, Range 33 East, Lea County, New Mexico. Applicant seeks to dedicate the above-referenced horizontal spacing unit to the proposed Boone 16 State Com 4H well to be drilled from a surface hole location in the NW/4 NW/4 (Unit D) of Section 21 to a bottom hole location in the NW/4 NW/4 (Unit D) of Section 9. Also, to be considered will be the cost of drilling and completing the well, the allocation of the cost

thereof, the actual operating costs and charges for supervision, the designation of COG Operating LLC as operator, and the imposition of 200% charge for risk involved in drilling and completing the well. Said area is located approximately 25 miles west of Eunice, New Mexico.