



COG OPERATING LLC

Potato Baby Fed Com 701H, 702H, 703H, 704H,705H, & 706H
Section 22, 27, & 34 - T26S-28E
Eddy County, New Mexico

Case Nos. 20934 & 20935 BEFORE THE OIL CONSERVATION DIVISION EXAMINER HEARING December 12, 2019



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

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

CASE NOS, 20934 & 20935

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

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

CASE NOS. 20934 & 20935

AFFIDAVIT OF TRAVIS MACHA IN SUPPORT OF CASE NOS. 20934 & 20935

Travis Macha, of lawful age and being first duly sworn, declares as follows:

My name is Travis Macha. I work for COG Operating LLC ("COG") as a 1.

Landman.

I have previously testified before the New Mexico Oil Conservation Division as an 2.

expert witness in petroleum land matters. My credentials as a petroleum landman have been

accepted by the Division and made a matter of record.

I am familiar with the applications filed by COG in these cases, and I am familiar 3.

with the status of the lands in the subject area.

None of the parties proposed to be pooled in these cases has indicated opposition, 4.

therefore I do not expect any opposition at the hearing.

In Case No. 20934, COG seeks an order pooling all uncommitted interests in the 5.

Wolfcamp formation underlying a standard 767.72-acre, more or less, horizontal spacing unit

comprised of the E/2 of Sections 22 and 27, and the N/2 NE/4 and Lots 3-4 (E/2 equivalent) of

irregular Section 34, Township 26 South, Range 28 East, Eddy County, New Mexico.

COG seeks to dedicate this horizontal spacing unit to the following 6.

1

proposed initial wells:

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico

Exhibit No. A

Submitted by: COG OPERATING, LLC Hearing Date: December 12, 2019

Case Nos. 20934 & 20935

- the Potato Baby State Com #701H well and the Potato Baby State Com #702H well, both of which will be drilled from a common surface hole location in NE/4 NE/4 (Unit A) of Section 22 to bottom hole locations in the SE/4 NE/4 (Lot 4) of Section 34; and
- the Potato Baby State Com #703H well, to be drilled from a surface hole location in NW/4 NE/4 (Unit B) of Section 22 to a bottom hole location in the SW/4 NE/4 (Lot 3) of Section 34.
- 7. COG Exhibit No. A-1 contains draft Form C-102s for each of these wells.
- 8. These wells are located in the Purple Sage; Wolfcamp (Gas) (Pool code 98220) and the completed intervals of the proposed wells will comply with the setback requirements of the Special Rules for the Purple Sage Wolfcamp Pool.
- 9. COG Exhibit No. A-2 identifies the tracts of land comprising the proposed spacing unit in Case No. 20934 that includes both fee and state lands. Exhibit A-2 also identifies the interest ownership by tract and ultimately by spacing unit. COG is seeking to pool each of the working interests owners, overriding royalty interest owners, royalty interest owners, and non-participating royalty interest owners highlighted on the exhibit.
- 10. No ownership depth severances exist within this proposed spacing unit, and there are no unleased mineral interests in the subject acreage.
- 11. In <u>Case No. 20935</u>, COG seeks an order pooling all uncommitted interests in the Wolfcamp formation underlying a standard 767.52-acre, more or less, horizontal spacing unit comprised of the W/2 of Sections 22 and 27, and the N/2 NW/4 and Lots 1-2 (W/2 equivalent) of irregular Section 34, Township 26 South, Range 28 East, Eddy County, New Mexico.

- 12. COG seeks to dedicate this horizontal spacing unit to the following proposed initial wells:
 - the Potato Baby State Com #704H well to be drilled from a surface hole location in NE/4 NW/4 (Unit C) of Section 22 to a bottom hole location in the SE/4 NW/4 (Lot 2) of Section 34; and
 - the Potato Baby State Com #705H well and the Potato Baby State Com #706H well, both of which are to be drilled from a common surface hole location in NW/4 NW/4 (Unit D) of Section 22 to a bottom hole location in the SW/4 NW/4 (Lot 1) of Section 34.
 - 13. COG Exhibit No. A-3 contains draft Form C-102s for each of these wells.
- 14. These wells are located in the Purple Sage; Wolfcamp (Gas) (Pool code 98220) and the completed intervals of the proposed wells will comply with the setback requirements of the Special Rules for the Purple Sage Wolfcamp Pool.
- 15. COG Exhibit No. A-4 identifies the tracts of land comprising the proposed spacing unit in Case No. 20935 that includes both fee and state lands. Exhibit A-4 also identifies the interest ownership by tract and ultimately by spacing unit. COG is seeking to pool each of the working interests owners, overriding royalty interest owners, royalty interest owners, and non-participating royalty interest owners highlighted on the exhibit.
- 16. No ownership depth severances exist within this proposed spacing unit, and there are no unleased mineral interests in the subject acreage.
- 17. COG sent well proposal letters, together with corresponding AFEs, to the working interest owners in Case Nos. 20934 and 20935. The costs reflected in the AFEs are consistent with what other operators have incurred for drilling similar horizontal wells

in the area. A copy of the well proposal letters, along with the AFE, is attached hereto as COG Exhibit A-5.

- 18. COG has been able to locate contact information for all parties it seeks to pool and has undertaken good faith efforts to reach an agreement with the uncommitted interest owners.
- 19. In my opinion, COG has made good faith efforts to reach agreement with the parties it is seeking to pool in both Case Nos. 20934 and 20935. If COG reaches an agreement with any of the proposed pool parties before the Division enters any order, I will let the Division know that COG is no longer seeking to pool that party.
- 20. I provided the law firm of Holland & Hart LLP a list of names and addresses for the uncommitted interest owners shown on Exhibits A-2 and A-4. In compiling these addresses, COG conducted a diligent search of all public records in the county where the proposed wells are located and of phone directories, including computer searches. All interest owners were locatable.
- 21. COG seeks approval of overhead and administrative costs at \$7,000/month while drilling and \$700/month while producing. These costs are consistent with what COG and other operators are charging in this area for these types of wells. COG respectfully requests that these administrative and overhead costs be incorporated into any order entered by the Division in these cases.
- 22. COG Exhibits A-1 through A-5 were either prepared by me or compiled under my direction and supervision.

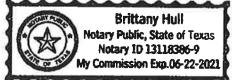
FURTHER AFFIANT SAYETH NOT.

TRAVIS MACHA

county of <u>Midland</u>

SUBSCRIBED and SWORN to before me this _____ day of December 2019 by

Travis Macha.



NOTARY PUBLIC Y

My Commission Expires:

622.21

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

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

■ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

30-015-			98220	5 Property No Potato Baby S	State Com	Purple Sage;	Wolfcamp	6 Well Numb		
				Potato Baby S	State Com					
								701H		
				8 Operator N	ате					
							9 Elevation			
				COG Operati	ng LLC					
				¹⁰ Surface	Location					
ection Tov	wnship	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West	line Cou		
22 2	6S	28E		330	North	1291	East	Ed		
		11 I	Bottom H	ole Location	If Different Fro	om Surface				
ection Tox	wnship	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West	line Cou		
34 2	6S	28E		330	South	330	East	Ed		
c	22 2 ection Tox 34 2	22 26S Township 34 26S	22 26S 28E 11 1 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	22 26S 28E 11 Bottom H 11 Bottom H 12	22 26S 28E 330	22 26S 28E 330 North " Bottom Hole Location If Different From the Including Township Range Lot Idn Feet from the Idne South South Including States of South 34 26S 28E 330 South	22 26S 28E 330 North 1291 "Bottom Hole Location If Different From Surface 1 Bottom Hole Location If Different From Surface 1 Color Township Range Lot 1dn Feet from the North/South line Feet from the 34 26S 28E 330 South 330	22 26S 28E 330 North 1291 East "Bottom Hole Location If Different From Surface Incline Inclin		

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

330' FNL 330' FEL 1291' - 22	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.
	Signature Date Printed Name
	E-mail Address
27	18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys
	made by me or under my supervision, and that the same is true and correct to the best of my belief.
	Date of Survey Signature and Seal of Professional Surveyor:
330' Last Take Point; 330' FSL 330' FEL	Certificate Number BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico

Santa Fe, New Mexico
Exhibit No. A1
Submitted by: COG OPERATING, LLC

Hearing Date: December 12, 2019 Case Nos. 20934 & 20935 District I
1625 N, French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
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Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

1	API Number 2 Pool Code 3 Pool Name												
	30-015	ō-		98220)		Purple Sage	; Wolfcam	ηp				
⁴ Property Co	de				5 Property N	6 Well Number							
					Potato Baby \$	State Com				702H			
7 OGRID 1	NO.				8 Operator N	lame			9Elevation				
2291	37				COG Operating LLC								
					¹⁰ Surface	Location							
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/Wes	st line	County			
В	22	26S	28E		330	North	1321	Eas	st	Eddy			
			"]	Bottom H	Tole Location	If Different Fr	om Surface						
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We:	st line	County			
Р	34	26S	28E		330	South	1254	Eas	t	Eddy			
12 Dedicated Acres	s 13 Joint	or Infill 14	Consolidation	Code 15 (Order No.								

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

330'	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete
330 / 1321	
	to the best of my knowledge and belief, and that this organization either
First Take Point:	owns a working interest or unleased mineral interest in the land including
330 FNL 1254 FEL	the proposed bottom hole location or has a right to drill this well at this
22 — 1	location pursuant to a contract with an owner of such a mineral or working
	interest, or to a voluntary pooling agreement or a compulsory pooling
	order heretofore entered by the division
] [i]	Signature Dale
	Printed Name
!	Times rame
i	E-mail Address
	E-man Address
	18 SURVEYOR CERTIFICATION
	I hereby certify that the well location shown on this
	plat was plotted from field notes of actual surveys
27 — 1	made by me or under my supervision, and that the
	same is true and correct to the best of my belief.
	3 35 35 35 35 35 35 35 35 35 35 35 35 35
	Date of Survey
	Signature and Seal of Professional Surveyor:
Last Take Point 330 FSt. 1254 FEL	
34 — \	·
1254	Certificate Number
330'	
10222	

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

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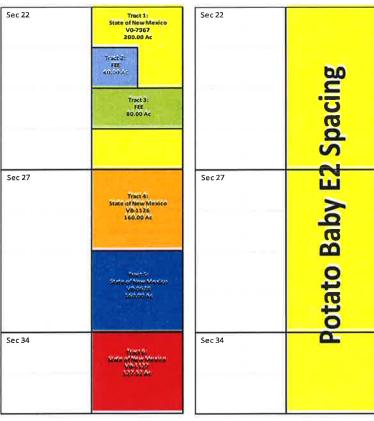
ı	AMENDED	REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1	API Numbe	r	² Pool Code			³ Pool Name						2 Pool Code 3 Pool Name					
	30-015-			98220 Purple Sage; Wolfca					Purple Sage; Wolfcamp								
⁴ Property Co	de				5 Prop	crty Na	ime			6 Well Number							
Potato							tato Baby State Com 703H										
7 OGRID 1	NO.	8 Operator Name								9 Elevation							
2291	37				COG Ope	eratir	ng LLC										
					10 Surfa	ace I	Location										
UL or lot no.	Section	Township	Range	Lot Idn	Feet from	the	North/South line	Feet From the	East/W	est line	County						
В	22	26S	28E		330		North	1351	Ea	st	Eddy						
		7	ш]	Bottom I	Hole Loca	tion	If Different Fr	om Surface	,								
UL or lot no.	Section	Township	Range	Lot Idn	Feet from	the	North/South line	Feet from the	East/W	est line	County						
0	34	26S	28E		330		South	2178	Eas	st	Eddy						
12 Dedicated Acres	13 Joint	or Infill 14 C	onsolidation	Code 15	Order No.			1									

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

First Take Point: 1. 330	17OPERATOR CERTIFICATION
330' FNL 2178' FEL	I hereby certify that the information contained herein is true and complete
	to the best of my knowledge and belief, and that this organization either
	owns a working interest or unleased mineral interest in the land including
4 1 2 1 1	the proposed bottom hole location or has a right to drill this well at this
22 1	location pursuant to a contract with an owner of such a mineral or working
	interest, or to a voluntary pooling agreement or a compulsory pooling
	order heretofore entered by the division.
1 1 1	Signature Date
	Printed Name
	E-mail Address
<u> </u>	
	18 SURVEYOR CERTIFICATION
	I hereby certify that the well location shown on this
27 -	plat was plotted from field notes of actual surveys
	made by me or under my supervision, and that the
	same is true and correct to the best of my belief.
	Date of Survey
	Signature and Seal of Professional Surveyor:
Last Take Point: 330' FSL 2178' FEL	
34 /	
2178'	Certificate Number
330'	



Potato Baby State Com 701H, 702H, 703H - Compulsory Pooling Info Section 22: E2, Section 27: E2, Section 32: N2NE, Lots 3, 4, T26S-R28E - Wolfcamp

Proposal Sent	YES
COM Sent	YES
DPU Sent	YES
JOA Sent	YES

NPRI/ORRI Parties to Pool:

John M. Fowlkes Ricky D. Raindl Marguerite Fort Bruns Douglas C. Koch Suzanne B. Koch

RI Owner Requiring Pooling: Delaware Ranch

Pooling

Working Interest Parties: COG Operating LLC

COG Production LLC

Concho Oil & Gas LLC COG Acreage LP

Allar Development LLC

Chevron USA, Inc.

Tap Rock Resources, LLC

Oxy USA, Inc.

EG3 Development LLC

Leasehold Ownership									
	COG & Concho WI	Allar & EG3 WI	Chevron WI	TRR WI	Oxy WI				
Tract 1	57.812500%	0.000000%	0.000000%	0.000000%	42.187500%				
Tract 2	41.552295%	1.994348%	8.230949%	19.925000%	28.297408%				
Tract 3	55.077500%	0.000000%	0.000000%	44.922500%	0.000000%				
Tract 4	0.000000%	0.000000%	100.000000%	0.000000%	0.000000%				
Tract S	0.000000%	D.0000009%	100.000000%	0.000000%	0.000000%				
Tract 6	0.000000%	0.000000%	100.000000%	0.000000%	0.000000%				

Notes:

Due to a number aof separate JOAs covering the area, leasehold ownersip does not exacly correspond with Contractual Ownership.

Delaware Ranch was sent a Communitization Agreement to sign as well, no signatures have been received back. Their lease requires consent to pool.

Unit Recapit	ulation
Owner	Working Interest
COG Operating LLC	6.159999%
Concho Oil & Gas LLC	0.261598%
COG Production LLC	14,396972%
COG Acreage LP	0.587794%
OXY USA, Inc,	14.984768%
Allar Development LLC	0.327327%
Chevron USA, Inc.	60.119368%
EG3 Development, LLC	0.109109%
Tap Rock Resources LLC	3.053066%
Total	100.000000%

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico
Exhibit No. A2

Submitted by: **COG OPERATING, LLC** Hearing Date: December 12, 2019 Case Nos. 20934 & 20935 District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
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State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 /	API Number			² Pool Code	lode 3 Pool Name						
30-015-				9822	0		Purple Sage; Wolfcamp				
4 Property Code					5 Property N				6 Well Number		
					Potato Baby	State Com			704H		
7 OGRID N	7 OGRID NO.				8 Operator N	lame	9 Elevation				
22913	37				COG Operat	ing LLC					
					10 Surface	Location					
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West l	ine County		
С	24	26S	28E		330	North	1351	West	Eddy		
			ПĒ	Bottom I	Hole Location	If Different Fro	om Surface				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West 1	ine County		
N	34	26S	28E		330	South	2178	West	Eddy		
12 Dedicated Acres	13 Joint	or Infill 14	Consolidation	Code 15	Order No.						

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

11 220	·	
330'		17OPERATOR CERTIFICATION
1351'		I hereby certify that the information contained herein is true and complete
First Take Point:		to the best of my knowledge and belief, and that this organization either
330' FNL 2178' FWL		owns a working interest or unleased mineral interest in the land including
		the proposed bottom hole location or has a right to drill this well at this
+ 22		location pursuant to a contract with an owner of such a mineral or working
1 1 1		interest, or to a voluntary pooling agreement or a compulsory pooling
		order heresofore entered by the division.
		Signature Date
		Printed Name
1 8		
		E-mail Address
		IS CALIDATE VADA CE DISTRICA TION
i i i i i i i i i i i i i i i i i i i		18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this
27		plat was plotted from field notes of actual surveys
		made by me or under my supervision, and that the
		same is true and correct to the best of my belief.
		Date of Survey
		Signature and Seal of Professional Surveyor:
1 1 1		
34	<u></u>	
Last Take Poi 330' FSL 2178'	at:	Ceruficate Number
2178'		BEFORE THE OIL CONSERVATION DIVISIO
-330'		Santa Fe, New Mexico

Exhibit No. A3

Submitted by: COG OPERATING, LLC Hearing Date: December 12, 2019 Case Nos. 20934 & 20935

District 1
1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	API Numbe	г		² Pool Code		³ Pool Name				
	30-018	5-		98220)	Purple Sage; Wolfcamp				
4Property Co	de				5 Property N	ame			6 Well Number	
					Potato Baby S	State Com			705H	
7 OGRID	NO.				8 Operator N	lame			Elevation 9	
2291	37				COG Operat	ing LLC				
					10 Surface	Location				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County	
С	22	26S	28È		330	North	1321	West	Eddy	
			11]	Bottom H	ole Location	If Different Fro	om Surface			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
M	34	26S	28E		330	South	1254	West	Eddy	
12 Dedicated Acre	s 13 Joint	or Infill 14 C	onsolidation	Code 15 (Order No.				117	

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

	
	¹⁷ OPERATOR CERTIFICATION
1321' 330'	I hereby certify that the information contained herein is true and complete
	to the best of my knowledge and belief, and that this organization either
First Take Point: 330' FNL 1254' FWL	owns a working interest or unleased mineral interest in the land including
	the proposed bottom hole location or has a right to drill this well at this
22 —	location pursuant to a contract with an owner of such a mineral or working
	interest, or to a voluntary pooling agreement or a compulsory pooling
	order heretofore entered by the division
4 !	Signature Date
	Printed Name
	Timed Name
	E-mail Address
	L-iliali Address
	18 SURVEYOR CERTIFICATION
	I hereby certify that the well location shown on this
27	plat was plotted from field notes of actual surveys
	made by me or under my supervision, and that the
	same is true and correct to the best of my belief.
 	
	Date of Survey
	Signature and Seal of Professional Surveyor.
i	
Lest Take Dalate	
Last Take Point: 330' FSL 1254' FWL	
34 —	
1254' /	Certificate Number
2201	

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State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

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

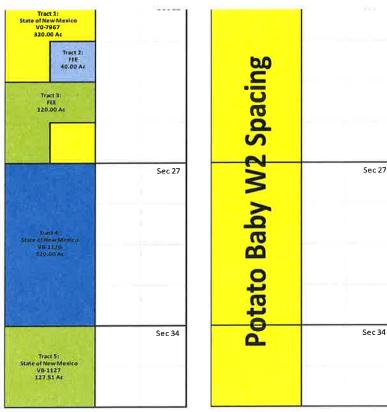
AMENDED	REPORT
	MEI ON I

WELL LOCATION AND ACREAGE DEDICATION PLAT

1	API Number	г	² Pool Code			³ Pool Name				
	30-015	5-		98220)	Purple Sage; Wolfcamp				
⁴ Property Co	de				5 Property N	lame			(6 Well Number
					Potato Baby :	State Com				706H
7 OGRID N	NO.				8 Operator N	lame			9	Elcvation
2291	37				COG Operat	ing LLC				
¹⁰ Surface Location										
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/We:	st line	County
D	22	26S	28E		330	North	1291	We	st	Eddy
	-		'' I	Bottom H	lole Location	If Different Fro	om Surface			
UL or lot no.	Section	Township	Range	Lot 1dn	Feet from the	North/South line	Feet from the	East/We:	st line	County
M	34	26S	28E		330	South	330	Wes	st	Eddy
12 Dedicated Acres	13 Joint	or Infill 14 C	onsolidation	Code 15 (Order No.				"	

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

330'	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete
1 1291'	to the best of my knowledge and belief, and that this organization either
First Take Point:	owns a working interest or unleased mineral interest in the land including
330' FNL 330' FVM.	the proposed bottom hole location or has a right to drill this well at this
1 22	location pursuant to a contract with an owner of such a mineral or working
	interest, or to a voluntary pooling agreement or a compulsory pooling
	order heretofore entered by the division
] [] [] []	Signature Date
	Printed Name
	E-mail Address
	18 SURVEYOR CERTIFICATION
	I hereby certify that the well location shown on this
	plat was plotted from field notes of actual surveys
27	made by me or under my supervision, and that the
	same is true and correct to the best of my belief.
	7. (6
	Date of Survey Signature and Seel of Professional Surveyor:
	Officialities and pest of badiesholds out calou.
34	
Last Take Point	Ceruficate Number
300' FSL 330' FVM.	A number to age of traper additi
330'	



Potato Baby State Com 704H, 705H, 706H - Compulsory Pooling Info Section 22: W2, Section 27: W2, Section 32: N2NW, Lots 1, 2, T26S-R28E - Wolfcamp

Proposal Sent	YES
COM Sent	YES
DPU Sent	YES
JOA Sent	YES

NPRI/ORRI Parties to Pool: John M. Fowlkes Ricky D. Raindl Marguerite Fort Bruns Douglas C. Koch

Suzanne B. Koch

Working Interest Parties: COG Operating LLC

COG Production LLC
COncho Oil & Gas LLC
COG Acreage LP
Allar Development LLC
Chevron USA, Inc.
Tap Rock Resources, LLC
Oxy USA, Inc.
EG3 Development LLC
Lee M. Kugle

RI Owner Requiring Pooling: Delaware Ranch

Pooling

Leasehold Ownership							
	COG & Concho WI	Allar & EG3 WI	Chevron WI	TRR WI	Oxy WI	Kugle WI	
Tract 1	60.040060%	1.245297%	5.017500%	0.000000%	33.697143%	0.000000%	
Tract 2	20.745808%	0.976873%	3.935978%	54.257500%	13.563841%	6.520000%	
Tract 3	40.190179%	0.466986%	1.881563%	38.672500%	18.788772%	0.000000%	
Tract 4	0.000000%	0.000000%	100.000000%	0.000000%	0.000000%	0.000000%	
Tract 5	0.000000%	0.000000%	100.000000%	0.000000%	0.000000%	0.0000000%	

Notes

Due to a number aof separate JOAs covering the area, leasehold ownersip does not exacly correspond with Contractual Ownership.

Delaware Ranch was sent a Communitization Agreement to sign as well, no signatures have been received back. Their lease requires consent to pool.

Unit Recapitulation				
Owner	Working Interest			
COG Operating LLC	8.316412%			
Concho Oil & Gas LLC	0.356475%			
COG Production LLC	10.578804%			
COG Acreage LP	0.629307%			
Oxy USA, Inc.	10.669102%			
Chevron USA, Inc.	59.852547%			
Allar Development LLC	0.287642%			
EG3 Development LLC	0.095880%			
Tap Rock Resources, LLC	8.874036%			
Lee M. Kugle	0.339796%			
Total	100.000000%			

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico **Exhibit No. A4**

Submitted by: **COG OPERATING, LLC**Hearing Date: December 12, 2019
Case Nos. 20934 & 20935



July 30, 2019

Via E-Certified Mail
WORKING INTEREST OWNERS ON ATTACHED EXHIBIT "A"

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. A5
Submitted by: COG OPERATING, LLC
Hearing Date: December 12, 2019
Case Nos. 20934 & 20935

Re:

E/2 Potato Baby State Com Unit E/2 of Sections 22 and 27, and N2NE4 & Lots 3, 4 (E/2) of Section 34, T26S-R28E

Eddy County, New Mexico

Dear Sir or Madam:

COG Operating, LLC ("COG") hereby proposes the drilling of the following horizontal wells with productive laterals located in the E/2 of Sections 22, 27, and 34, of T26S-R28E, Eddy County, New Mexico:

- Potato Baby State Com 701H, to be drilled to a depth sufficient to test the Wolfcamp A formation at a total vertical depth of 9,560'. The surface hole location for this well is proposed at a legal location in Unit A of Section 22 and the bottomhole location in a legal location in Lot 4 of Section 34. The dedicated project area with be E/2 of Sections 22 and 27, and N2NE4 and Lots 3, 4 (E/2) of Section 34, T26S-R28E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,771,000, as shown on the attached Authority for Expenditure ("AFE").
- Potato Baby State Com 702H, to be drilled to a depth sufficient to test the Wolfcamp A formation at a total vertical depth of 9,540'. The surface hole location for this well is proposed at a legal location in Unit A of Section 22 and the bottomhole location in a legal location in Lot 4 of Section 34. The dedicated project area with be E/2 of Sections 22 and 27, and N2NE4 and Lots 3, 4 (E/2) of Section 34, T26S-R28E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,771,000, as shown on the attached AFE.
- Potato Baby State Com 703H, to be drilled to a depth sufficient to test the Wolfcamp A formation at a total vertical depth of 9,520'. The surface hole location for this well is proposed at a legal location in Unit B of Section 22 and the bottomhole location in a legal location in Lot 3 of Section 34. The dedicated project area with be E/2 of Sections 22 and 27, and N2NE4 and Lots 3, 4 (E/2) of Section 34, T26S-R28E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,771,000, as shown on the attached AFE.

COG is proposing this well under the terms of a new Operating Agreement which will follow under separate cover.

If we do not reach an agreement 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.

Please indicate your participation elections in the space provided below, sign and return this letter, along with a signed copy of the enclosed AFEs and a copy of your geologic requirements, to my attention at the letterhead address or by email to tmacha@concho.com. Should you have any questions, please do not hesitate to contact me at 432.221.0452.

July 30, 2019 – Page 2 E/2 Potato Baby State Com Unit

Sincerely,

COG Operating LLC

Travis Macha Landman

WELL NAME	Elect to PARTICIPATE	Elect NOT TO PARTICIPATE
	in drilling and completion	in drilling and completion
Potato Baby State Com 701H		
Potato Baby State Com 702H		
Potato Baby State Com 703H		

Ву:		_
Name:		
Title:		
Date:		

EXHIBIT "A" WORKING INTEREST OWNERS

Via E-CM No. 9414 8149 0246 9822 0201 79
OXY U.S.A., Inc.
5 Greenway Plaza, Suite 110
Houston, TX 77046
Attn: Courtney Carr

Via E-CM No. 9414 8149 0246 9822 0201 55
Allar Development LLC
EG3 Development LLC
P.O. Box 1567
Graham, TX 76450

Via E-CM No. 9414 8149 0246 9822 0201 93
Chevron U.S.A. Inc.
6301 Deauville
Midland, TX 79706
Attn: Kristen Hunter

Via E-CM No. 9414 8149 0246 9822 0202 09

Tap Rock Operating, LLC
602 Park Point Drive, Suite 200

Golden, Colorado 80401

Attn: Land Manager

Via E-CM No. 9414-8149-0246-9822-0202-16
Larchmont Resources
c/o Black Falcon Energy, LLC
600 Travis Street, Suite 4750
Houston, TX-77002



July 30, 2019

Via E-Certified Mail WORKING INTEREST OWNERS ON ATTACHED EXHIBIT "A"

Re: W/2 Potato Baby State Com Unit

W/2 of Sections 22 and 27, and N2NW4 & Lots 1, 2 (W/2) of Section 34, T26S-R28E Eddy County, New Mexico

Dear Sir or Madam:

COG Operating, LLC ("COG") hereby proposes the drilling of the following horizontal wells with productive laterals located in the W/2 of Sections 22, 27, and 34, of T26S-R28E, Eddy County, New Mexico:

- Potato Baby State Com 704H, to be drilled to a depth sufficient to test the Wolfcamp A formation at a total vertical depth of 9,500'. The surface hole location for this well is proposed at a legal location in Unit C of Section 22 and the bottomhole location in a legal location in Lot 2 of Section 34. The dedicated project area with be W/2 of Sections 22 and 27, and N2NW4 and Lots 1, 2 (W/2) of Section 34, T26S-R28E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,771,000, as shown on the attached Authority for Expenditure ("AFE").
- Potato Baby State Com 705H, to be drilled to a depth sufficient to test the Wolfcamp A formation at a total vertical depth of 8,480'. The surface hole location for this well is proposed at a legal location in Unit D of Section 22 and the bottomhole location in a legal location in Lot 1 of Section 34. The dedicated project area with be W/2 of Sections 22 and 27, and N2NW4 and Lots 1, 2 (W/2) of Section 34, T26S-R28E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,771,000, as shown on the attached AFE.
- Potato Baby State Com 706H, to be drilled to a depth sufficient to test the Wolfcamp A formation at a total vertical depth of 8,460'. The surface hole location for this well is proposed at a legal location in Unit D of Section 22 and the bottomhole location in a legal location in Lot 1 of Section 34. The dedicated project area with be W/2 of Sections 22 and 27, and N2NW4 and Lots 1, 2 (W/2) of Section 34, T26S-R28E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,771,000, as shown on the attached AFE.

COG is proposing this well under the terms of a new Operating Agreement which will follow under separate cover.

If we do not reach an agreement 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.

Please indicate your participation elections in the space provided below, sign and return this letter, along with a signed copy of the enclosed AFEs and a copy of your geologic requirements, to my attention at the letterhead address or by email to tmacha@concho.com. Should you have any questions, please do not hesitate to contact me at 432.221.0452.

July 30, 2019 – Page 2 W/2 Potato Baby State Com Unit

Sincerely,

COG Operating LLC

Travis Macha Landman

WELL NAME	Elect to PARTICIPATE in drilling and completion	Elect NOT TO PARTICIPATE in drilling and completion
Potato Baby State Com 704H		
Potato Baby State Com 705H		
Potato Baby State Com 706H		

Ву:		
Name:	_	
Title:		
Date:		

EXHIBIT "A" WORKING INTEREST OWNERS

EXHIBIT "A" WORKING INTEREST OWNERS

Via E-CM No. 9414 8149 0246 9822 0201 79
OXY U.S.A., Inc.
5 Greenway Plaza, Suite 110
Houston, TX 77046
Attn: Courtney Carr

Via E-CM No. 9414 8149 0246 9822 0201 55
Allar Development LLC
EG3 Development LLC
P.O. Box 1567
Graham, TX 76450

Via E-CM No. 9414 8149 0246 9822 0201 93 Chevron U.S.A. Inc. 6301 Deauville Midland, TX 79706 Attn: Kristen Hunter

Via E-CM No. 9414 8149 0246 9822 0202 09

Tap Rock Operating, LLC
602 Park Point Drive, Suite 200

Golden, Colorado 80401

Attn: Land Manager

Via E-CM No. 9414 8149 0246 9822 0202 16 Larchmont Resources c/o Black Falcon Energy, LLC 600 Travis Street, Suite 4750 Houston, TX-77002

Via E-CM No. 9414 8149 0246 9822 0202 30 Lee M. Kugle 2429 Westlake Drive Austin, TX 78746

Well Name Potato Baby St Com 701H SHL SEC 22: UNIT A BHL SEC 34: LOT 4 Formation WOLFCAMP A Legal 22, 27, 34, T26S-R28E AFE Numbers

Prospect ATLAS 2628 (717052) State & County NEW MEXICO, EDDY Objective Drill & Complete Depth TVD

21,660 9,560

Tangible Costs	Revision	A NORTH
D-Intermed Csg	\$0.00]	\$25,822
Derroduction Casing/Liner 403 \$301,259.21	\$0.00	\$70,088
Devellement Equip S05 \$30,740,740 \$30,740,730 \$30,740,730 \$30,740,731 \$30,740,731 \$30,740,731 \$30,740,731 \$30,740,731 \$30,740,731 \$30,730,731 \$30,730,731 \$30,730,731 \$30,730,731 \$30,730,731 \$30,730,731 \$30,730,731 \$30,730,731 \$30,730,731 \$30,730,731 \$30,730,731 \$30,730,731 \$30,730,731 \$30,740,731 \$3	\$0.00	
Frubing	\$0.00	\$301,259 \$30,740
Seed -	\$0.00	\$47,340
EQ-Pumping Unit	\$0.00	\$16,231
	\$0.00	\$117,921
B-Tanks	\$0.00	\$47,340
B-Flowlines/Pipelines B-HIT Trit/Septrt B-HIT Trit/Septrt B-Electrical System/Equipment B-Electrical System/Equipment B-Electrical System/Equipment B-Electrical System/Equipment S13 S92,222.21 S04,846.15 S02,222.21 S04,846.15 S04,846.	\$0.00	\$92,222
B-HI rtur/Seprir B-Electrical System/Equipment 1513 \$92,222.21 1-Pokrs/Anchors/Hgrs 514 \$6,146.15 1-Pokrs/Anchors/Hgrs 515 \$282,014.77 1-Pokrs/Anchors/Hgrs 515 \$280,740.74 1-Pokrs/Anchors/Brs/Brs/Brs/Brs/Brs/Brs/Brs/Brs/Brs/B	\$0.00	\$12,296
B-Electrical System/Equipment 513 592,222 21 -Pickris/Anchors/Hgrs 514 56,148.15 B-Couplings/Filtings/Valves 515 5282,814.77 B-Couplings/Filtings/Valves 515 5282,814.77 B-Gas Lift/Compression 516 530,740,74 B-Pumps-Surface 521 530,740,74 B-Pumps-Surface 525 536,888.86 B-Plares/Combusters/Emission 526 555,333.39 B-Plares/Combusters/Emission 527 512,296.29 EQ-Instrumentation/SCADA/POC 529 55,410.37 EQ-Instrumentation/SCADA/POC 529 55,410.37 EQ-Instrumentation/SCADA/POC 539 55,410.37 EQ-Pumps 532 510,220.74 cotal Tangible Costs 514,557,848.84 ***********************************	\$0.00	\$129,111
Pokurs/Anchors/Hgrs	\$0.00	\$92,222
B-Couplings/Filtings/Nalves 515 \$282,814,77 \$282,814,77 \$16 \$30,740,74 \$18 \$30,740,74 \$12 \$30,740,78 \$12,290,20 \$20 \$55,333,32 \$20 \$20 \$55,333,32 \$10,520,74 \$18 \$18 \$18 \$4,057,78 \$18	\$0.00	\$6,148
B-Gas Lift/Compression 516 \$30,740.74 B-Pumps-Surface 521 \$30,740.74 B-Pumps-Surface 521 \$30,740.74 B-Meters/Lacts 525 \$336,886.86 B-Plares/Combusters/Emission 526 \$55,333.32 S2 \$55,333.32 S2 S2 \$55,403.78 S2 \$55,403.78 S2 \$55,403.78 S2 \$55,403.78 S2 \$54,03.78 S2 \$54,057.78 S2 \$54,057.78 S2 \$54,057.78 S2 \$54,057.78 S2 \$54,057.78 S2 \$54,057.78 S2 S2 S2 S2 S2 S2 S2 S	\$0.00	\$282,814
3-Pumps-Surface	\$0.00	\$30,740
B-Meters/Lacts 525 \$33,888.88 8- Flares/Combusters/Emission 526 \$55,333,32 \$55,333,32 \$75,296.29 \$54,10.37 \$75,296.29 \$54,10.37 \$75,296.29 \$54,10.37 \$75,296.29 \$54,10.37 \$75,296.29 \$54,10.37 \$75,296.29 \$54,10.37 \$75,296.29 \$54,10.37 \$75,296.29 \$54,10.37 \$75,296.29 \$54,10.37 \$75,296.29 \$54,10.37 \$75,296.29 \$54,10.37 \$75,296.29 \$54,10.37 \$75,296.29 \$54,10.37 \$75,296.29 \$54,10.37 \$75,296.29 \$54,10.37 \$75,296.29	\$0.00	\$30,740
3-Flares/Combusters/Emission 526 555,333.32	\$0.00	\$36,888
Gas Lift/Compression	\$0.00	
EG-Instrumentation/SGADA/POC EG-Wellhead Equipment EG-Wellhead Equipment EG-Wellhead Equipment EG-Wellhead Equipment EG-Pumps 531 \$4,057.78 \$510,820.74 \$511,847,848.64 ***tangible Costs** ***tangible Costs** ********************************	\$0.00	\$55,333 \$12,296
EG-Weilhead Equipment 531 \$4,057.78 EQ-Pumps 532 \$10,820.74 Stal Tangible Costs \$1,457,848.64 Stal Tangible	\$0.00	
Stal Tangible Costs Stale Tangible Costs Stale Tangible Costs		\$5,410
Image Imag	\$0.00	\$4,057
STILLE/PERTINIS 201 \$17,349.21 -Insurance 202 \$5,308.80 -Survey/Stake Lctn 204 \$54,683.20 -Lctn/Pits/Roads 205 \$189,264.09 -Daywork Contract 209 \$543,497.90 -Daywork Contract 210 \$258,680.92 -Daywork Contract 211 \$113,555.45 -Walter 212 \$583,591.84 -Walter 213 \$102,518.05	\$0.00	\$10,820
S-Title/Permits	\$0.00	\$1,457,848
S-Title/Permits		
Insurance	\$0.00	\$17,349
S-Damages/ROW	\$0.00	\$6,308
S-Survey/Slake Letn	\$0.00	\$7,886
LctntPils/Roads 205 \$189.264.09 Drilling Overhead 206 \$5,463.20 Drilling Overhead 206 \$5,463.20 Directional Drig Services 210 \$256,660.92 Evel & Power 211 \$13.556.60.92 Evel & Power 212 \$83,591.84 Bits 213 \$102,518.05 Water 212 \$83,591.84 Bits 213 \$102,518.05 Water 214 \$113,5554.60 214 \$141,948.07 Cement Surface 217 \$25,235.21 Cement Intermed 218 \$41,007.22 Prod-2nd Int Crm 219 \$209,767.70 Float Equipment & Centralizers 221 \$83,088.03 Contract Labor 225 \$50,470.42 Contract Labor 225 \$511,040.41 Company Sprvsn 226 \$56,779.23 Contract Sprvsn 227 \$100,940.85 S13,544.01 Water Labor 229 \$33,121.22 Perf/Wireline Svc 231 \$63,08.80 Rentals-Surface 235 \$181,378.08 Rentals-Surface 235 \$181,378.08 Continger Sprvsn 226 \$314,946.07 Trucking/Forklift/Rig Mob 237 \$250,336.90 Rentals-Subsrfc 236 \$314,946.07 Trucking/Forklift/Rig Mob 237 \$250,336.90 Rentals-Subsrfc 238 \$4,731.60 Contingency 243 \$55,020.03 Enrymit/Clot Loop 244 \$283,896.13 \$141,946.07 Trucking/Forklift/Rig Mob 237 \$250,336.80 Rentals-Subsrfc 236 \$3141,946.07 Trucking/Forklift/Rig Mob 237 \$250,336.80 Rentals-Subsrfc 238 \$4,731.60 Contingency 243 \$55,020.03 Enrymit/Clot Loop 244 \$253,896.13 \$7,097.40 Mud & Chemicals 314 \$39,430.02 Contract Labor 325 \$36,080.03 \$37,097.40 Mud & Chemicals 314 \$39,430.02 \$350,027.25 \$36	\$0.00	\$9,463
Drilling Overhead Daywork Contract Daywork Contract Daywork Contract Directional Drig Services 210 \$258,680,92 Fuel & Power 211 \$113,559,45 Waler Bits 213 \$102,518,05 Mud & Chemicals Cement Surface 217 Cement Intermed 218 \$41,007,22 Prod-2nd Int Cmt 219 \$209,767,702 Cement Intermed 218 \$41,007,22 Prod-2nd Int Cmt 219 \$209,767,702 Contract Labor Contract Labor Contract Labor Contract Sprvsn 226 \$55,779,23 Contract Labor Contract Sprvsn 227 \$100,940,85 \$31,544,01 Mud Logging Unit 229 \$33,121,22 Perf/Wireline Svc 231 \$56,308,80 Rentals-Surface 235 \$181,378,08 Rentals-Surface 236 \$41,948,07 Contingency 243 \$55,202,03 Contingency 243 \$55,202,03 Contringency 243 \$55,202,03 Contringency 244 \$283,896,13 Contringency 245 Contringency 246 \$55,771,03 Contringency 247 \$55,036,09 Contingency 248 \$47,316,00 Contingency 249 \$55,202,03 Contringency 240 \$55,202,03 Contringency 241 \$55,202,03 Contringency 243 \$55,202,03 Contringency 244 \$263,896,13 Contringency 245 \$56,080,00 Waler Bits 313 \$57,097,40 Waler Bits 313 \$57,097,40 Waler Bits 314 \$39,430,02 Company Sprvsn Company Sprvsn Company Sprvsn Contract Labor 246 \$58,098,03 Contract Labor 247 \$58,098,03 Sopported to Services 311 \$57,086,00 Waler Bits 313 \$58,092,03 Sopported to Services 315 Sopported to Services 316 Sopported to Services 317 Sopported to Services 318 Sopported to Services 319 Sopported to Services 310 Sopported to Services 311 Sopported to Services 311 Sopported to Services 312 Sopported to Services 313 Sopported to Services 314 Sopported to Services 315 Sopported to Services 316 Sopported to Services 317 Sopported to Services 318 Sopported to Services 319 Sopported to Services 329 Sopported to Services 331 Sopported to Services 332 Sopported to Services 333 Sopported to Services 334 Sopported to Services 335 Sopported to Services 336 Sopported to Services 337 Sopported to Services 337 Sopported to Services 337 Sopported to Services 338 Sopported to Services 339 Sopported to Services 339 Sopported to Services 330 Sopported to Services 330 Sopported to Services	\$0.00	\$189,264
Daywork Contract 209 \$543,497.90 Directional Drig Services 210 \$255,660.92 211 \$255,660.92 211 \$113,555.45 212 \$33,591.64 Bits 213 \$102,519.64 Bits 214 \$314,1948.07 215 255,255.21 215 255,255.21 216 217 255,255.21 217 255,255.21 218 219 220,767.70 218 241,007.22 218 241,007.22 219 250,0767.70 219 250,0767.70 219 250,0767.70 219 250,0767.70 219 250,0767.70 219 250,0767.70 210	\$0.00	\$9,463
Directional Drig Services	\$0.00	\$643,497
Fuel & Power	\$0.00	\$258,660
Water 212 \$35,591.64 Bits 213 \$102,518.05 Mud & Chemicals 214 \$141,946.07 Cement Surface 217 \$25,235.21 Cement Intermed 218 \$41,007.22 Prod-2nd Int Cmt 219 \$200,767.70 Floal Equipment & Centralizers 221 \$33,088.03 Csg Crews & Equip 222 \$50,470.42 Comprany Sprysn 226 \$56,779.23 Contract Labor 225 \$11,040.41 Company Sprysn 226 \$56,779.23 Contract Sprysn 226 \$56,779.23 Contract Sprysn 227 \$100,940.85 Tsig Csg/Tbg 228 \$31,544.01 Mud Logging Unit 229 \$33,121.22 Perf/Wireline Svc 231 \$6,308.80 Rentals-Subsrtc 236 \$181,378.08 Rentals-Subsrtc 236 \$181,378.08 Rentals-Subsrtc 236 \$141,940.7 Trucking/Forkilt//Rij Mob 237 \$205,036.09	\$0.00	\$113,558
Bits	\$0.00	
Mud & Chemicals 214 \$141,948.07 Cernenl Surface 217 \$25,235.21 Cernent Intermed 218 \$41,007.22 Prod-2nd Int Cmt 219 \$200,767.70 Ifoal Equipment & Centralizers 221 \$83,088.03 Csg Crews & Equip 222 \$50,470.42 Contract Labor 225 \$11,040.41 Company Sprvsn 226 \$56,779.23 Contract Sprvsn 227 \$100,940.85 Tstg Csg/Tbg 228 \$31,544.01 Mud Logging Unil 229 \$33,121.22 Perf/Wireline Svc 231 \$5,008.80 Rentals-Sutrface 235 \$181,376.08 Rentals-Subsrfc 236 \$141,948.07 Trucking/Forklit/Rig Mob 237 \$205,038.09 Welding Services 238 \$4,731.60 Contingency 243 \$55,202.03 Eurl Delivery & Services 311 \$7,808.00 Mulc & Chemicals 311 \$7,808.00 Contract Labor 325 \$30,989.13		583,591
Cament Surface 217 \$25,235,21 Cament Intermed 218 \$41,007,22 Prod-2nd Int Cmt 219 \$209,767,70 Float Equipment & Centralizers 221 \$33,088,03 Seg Crews & Equip 222 \$50,470,42 Contract Labor 225 \$511,040,41 Company Sprvsn 226 \$55,779,23 Contract Sprvsn 227 \$100,940,85 Tsig Csg/Tbg 228 \$31,544,01 Mud Logging Unit 229 \$33,121,22 Perf/Wireline Svc 231 \$6,308,80 Rentals-Surface 235 \$181,378,08 Rentals-Surface 236 \$141,948,07 Trucking/Forkitif/Rig Mob 237 \$205,036,09 Welding Services 238 \$4,731,60 Conlingency 243 \$55,202.03 Envirmil/Clsd Loop 244 \$283,896,13 Cin/Plis/Roads 305 \$19,241,85 Fuel Delivery & Services 311 \$7,066,00 Water 312 \$1,560,127,14	\$0.00	\$102,518
Cement Intermed 218 \$41,007.22 Prod-2nd Int Cmt 219 \$209,767.70 Floal Equipment & Centralizers 221 \$209,767.70 Cog Crews & Equip 222 \$50,470.42 Contract Labor 225 \$511,004.04 Company Sprvsn 226 \$55,779.23 Comtract Sprvsn 227 \$100,940.85 Tstg Csg/Tby 228 \$31,544.01 Mud Logging Unil 229 \$33,121.22 Perf/Wireline Svc 231 \$6,308.80 Rentals-Surface 235 \$181,378.08 Rentals-Subsric 236 \$141,948.07 Trucking/Forkitir/Rig Mob 237 \$205,038.09 Welding Services 238 \$4,731.60 Contingency 243 \$520,038.09 EnvirmII/Clsd Loop 244 \$223,896.13 ErvermII/Clsd Loop 244 \$223,896.13 Euler Delivery & Services 311 \$7,866.00 Water 312 \$1,559,127.14 Water 312 \$1,559,127.14	\$0.00	\$141,948
Prod-2nd Int Cmt 219 \$200,767.70 Floal Equipment & Centralizers 221 \$83,088.03 Csg Crews & Equip 222 \$50,470.42 Contract Labor 225 \$51,040.41 Company Sprvsn 226 \$56,779.23 Contract Sprvsn 227 \$100,940.85 Tsig Csg/Tbg 228 \$31,544.01 Mud Logging Unit 229 \$33,121.22 Perf/Wireline Svc 231 \$5,308.80 Rentals-Subsrtc 236 \$181,948.07 Trucking/Forkiti/Rig Mob 237 \$205,038.09 Welding Services 238 \$4,731.60 Contingency 243 \$55,020.03 Eurymmll/Clsd Loop 244 \$283,896.13 Eurymmll/Clsd Loop 244 \$283,896.13 Eurymmll/Clsd Loop 244 \$283,896.13 Eurymmll/Clsd Loop 244 \$283,896.13 Muld & Chemicals 311 \$7,806.00 Waler 312 \$5,902.03 Bits 313 \$7,097.40 <tr< td=""><td>\$0.00</td><td>\$25,235</td></tr<>	\$0.00	\$25,235
Float Equipment & Centralizers 221 \$83,088,03 Csg Crews & Equip 222 \$50,470.42 Confired Labor 225 \$51,040,41 Company Sprvsn 226 \$55,779.23 Contract Csprvsn 226 \$55,779.23 Contract Sprvsn 228 \$31,544.01 Mud Logging Unit 229 \$33,121.22 Perf/Wireline Svc 231 \$6,306,80 Rentals-Surface 235 \$181,376,08 Rentals-Surface 236 \$141,948.07 Trucking/Forklift/Rig Mob 237 \$205,036,09 Welding Services 238 \$4,731,60 Contingency 243 \$55,202,03 Environmit/Cisd Loop 244 \$203,896,13 Lott/Plis/Roads 305 \$19,241,85 Fuel Delivery & Services 311 \$7,686,00 Water 312 \$1,556,127,14 Bits 313 \$7,097,40 Bits 314 \$39,430,02 Contract Labor 325 \$63,088,03 Company Sprvsn 326 \$47,316,02 Contract Labor 325 \$63,088,03 Company Sprvsn 326 \$47,316,02 Contract Sprvsn 327 \$149,834,07 Perf/Wireline Svc 331 \$566,002,32 Simulation/Treating 332 \$5,944,469,55 Completion Unit 333 \$37,975,67 Completion Unit \$48,002,004 Contract Labor 335 \$394,300,18 Environmit/Cisd Loop 344 \$7,886,00 Contract Labor 335 \$394,300,18 Contract Labor 336 \$394,300,18 Contract Labor 337 \$394,300,18 Contract Labor 338 \$7,886,00 Contract Labor 339 \$394,300,18 Contract Labor 344 \$7,886,00 Contract Labor 345 \$594,490,55 Completion Unit 347 \$500,004,49 -Localion/Pis/Roads 353 \$134,002,06 -Vater Disposal 362 \$141,948,07 -Completion Unit 381 \$12,144,45 Column 381 \$121,144,45 Column 381 \$121,144,55 Column 381 \$121,144,55 Column 381 \$121,1	\$0.00	\$41,007
Csg Crews & Equip 222 \$50,470.42 Contract Labor 225 \$11,040.41 Company Sprvsn 226 \$56,779.23 Contract Sprvsn 227 \$100,940.85 Tsig CsyTbg 228 \$31,544.01 Mud Logging Unil 229 \$33,121.22 Perf/Wireline Svc 231 \$5,008.80 Rentals-Surface 235 \$181,378.08 Rentals-Subsrfc 236 \$141,948.07 Trucking/Forklift/Rig Mob 237 \$205,038.09 Welding Services 238 \$4,731.60 Contingency 243 \$55,020.03 EntrymmII/Clsd Loop 244 \$253,899.13 Lctin/Pils/Roads 305 \$112,41.85 Fuel Delivery & Services 311 \$7,086.00 Waler 312 \$1,599.127.14 Bits 313 \$7,097.40 Mud & Chemicals 314 \$39,430.02 Contract Labor 325 \$63,088.03 Contract Sprvsn 326 \$47,316.02 C	\$0.00	\$209,767
Contract Labor Company Sprvsn Contract Sprvsn 226 S56,779.23 Contract Sprvsn 227 S100,940,85 Tsig Csg/Tbg 228 S31,544,01 Mud Logging Unit 229 S33,121.22 Per/Wireline Svc 231 S6,308,80 Rentals-Surface 235 S181,378,08 Rentals-Surface 236 S114,948,07 Trucking/Forkit/Irig Mob Welding Services 238 Contingency 243 S55,202,03 Envrimil/Cisd Loop 244 S283,986,13 Lotr/Plis/Roads 305 S19,241,85 Fuel Delivery & Services 311 S7,086,00 Mud & Chemicals 313 S7,097,40 Mud & Chemicals Contract Labor Contract Labor Contract Labor Sorgher Services 327 S149,834,07 S16,986,00 S17,772,01 S66,00 S77,976,00 S77,976,00 S78,00 S78	\$0.00	\$63,088
Company Sprvsn 226 \$55,779.23 Contract Sprvsn 227 \$100.940.85 Tsig CsylTby 228 \$31,544.01 Mud Logging Unil 229 \$33,121.22 Perf/Wireline Svc 231 \$6,306.80 Rentals-Surface 235 \$181,378.08 Rentals-Subsrfc 236 \$141,948.07 Trucking/Forklift/Rig Mob 237 \$205,038.09 Welding Services 238 \$4,731.60 Contlingency 243 \$55,202.03 EnvirmII/Clsd Loop 244 \$223,896.13 Litr/Plis/Rods 305 \$19,241.85 Fuel Delivery & Services 311 \$7,686.00 Waler 312 \$1,596,127.14 Bits 313 \$7,097.44 Bits 313 \$7,097.44 Bits 313 \$7,097.44 Bits 313 \$5,590.127.14 Mud & Chemicals 314 \$39,430.02 Contract Labor 325 \$53,088.03 Contract Sprvsn 32	\$0.00	\$50,470
Contract Sprvsn 227 \$100,940,85 Tstg Csg/Tbg 228 \$31,544.01 Mud Logging Unit 229 \$33,121.22 Perf/Wireline Svc 231 \$5,308,80 Rentals-Sutrace 235 \$181,378.08 Rentals-Subsrtc 236 \$141,948.07 Trucking/Forkiti/Rig Mob 237 \$205,038.09 Welding Services 238 \$4,731,60 Contingency 243 \$55,020.03 Eurymmil/Clsd Loop 244 \$283,898.13 Eurymmil/Clsd Loop 244 \$283,898.13 Eurymmil/Clsd Loop 244 \$283,898.13 Fuel Delivery & Services 311 \$7,886.00 Water 312 \$1,599,127.14 Bits 313 \$7,097.40 Mud & Chemicals 314 \$39,430.02 Company Sprvsn 326 \$47,316.02 Company Sprvsn 327 \$149,834.07 Tstg Csg/Tbg 328 \$15,772.01 Perf/Wireline Svc 331 \$666,082.32 Simulation/Treating 332 \$594,496.55 Completion Unit 333 \$67,818.63 Completion Unit 333 \$67,818.63 Completion Unit 334 \$594,300.18 Envrmmil/Clsd Loop 344 \$7,886.00 Velding Services 338 \$7,886.00 Velding Services 338 \$7,886.00 Velding Services 338 \$7,886.00 Polymproval \$47,820.04,49 -Localion/Pils/Roads 353 \$134,082.06 -Valer Disposal 362 \$141,948.07 -Q-Completion Unit 361 \$120,176.06	\$0.00	\$11,040
Tsig Csg/Tbg 228 \$31,544.01 Mud Logging Unit 229 \$33,121.22 Perf/Wireline Svc 231 \$50,308,00 Rentals-Surface 235 \$181,378.08 Rentals-Surface 236 \$141,948.07 Trucking/Forklift/Rig Mob 237 \$205,038.09 Welding Services 238 \$4,731.60 \$250,038.09 Welding Services 243 \$55,202.03 \$69 Welding Services 244 \$283,896.13 \$60,00 Water 312 \$1,596,127.14 \$10,000 \$11 \$7,686.00 Water 312 \$1,596,127.14 \$11 \$7,686.00 Water 312 \$1,596,127.14 \$11 \$7,686.00 Water 312 \$1,596,127.14 \$11 \$13,000 \$11 \$1,000 \$11 \$1,000 \$11 \$1,000 \$11 \$1,000 \$11 \$1,000 \$11 \$1,000 \$11 \$1,000 \$11 \$1,000 \$11 \$1,000 \$11 \$1,000 \$11 \$1,000 \$11 \$1,000 \$11,00	\$0.00	\$56,779
Mud Logging Unit 229 \$33,121.22 Perfr/Wireline Svc 231 \$6,308,80 Rentals-Surface 235 \$181,378,08 Rentals-Subsrfc 236 \$141,948,07 Trucking/Forkilf/Rig Mob 237 \$205,038,09 Welding Services 238 \$4,731,60 Contingency 243 \$55,202,03 EnvirmIII/Cisd Loop 244 \$253,896,13 Lctin/Pils/Roads 305 \$19,241,85 Fuel Delivery & Services 311 \$7,696,00 Waler 312 \$15,596,127,14 Bits 313 \$7,097,40 Mud & Chemicals 314 \$39,430,02 Contract Labor 325 \$63,088,03 Company Sprvsn 325 \$47,316,02 Contract Sprvsn 326 \$47,316,02 Contract Sprvsn 326 \$51,772.01 Tsty Csy/Tbp 326 \$15,772.01 Perf/Wireline Svc 331 \$866,082,32 Stimulation/Treating 332 \$5944,499,55	\$0.00	\$100,940
Perf/Wireline Svc 231 \$5,308,80 Rentals-Surface 235 \$181,378,08 Rentals-Subsric 236 \$141,946,07 Trucking/Forkilf/Rig Mob 237 \$205,036,09 Welding Services 238 \$4,731,60 Contingency 243 \$55,202,03 Enviramil/Cisd Loop 244 \$223,898,13 Lotn/Plis/Roads 305 \$19,241,85 Fuel Delivery & Services 311 \$7,686,00 Waler 312 \$1,596,127,14 Bits 313 \$7,097,40 Mud & Chemicals 314 \$39,430,02 Contract Labor 325 \$63,088,03 Company Sprvsn 326 \$47,316,02 Contract Dervsn 327 \$149,834,07 Tstg Csg/Tbg 328 \$15,772.01 Perf/Wireline Svc 331 \$666,082,32 Simulation/Treating 332 \$5944,469,55 Completion Unil 333 \$57,818,63 Rentals-Surface 335 \$373,796,57	\$0.00	\$31,544
Rentals-Surface 235 \$181, 378, 08 Rentals-Subsric 236 \$141, 948, 07 Trucking/Forkitif/Rig Mob 237 \$205, 038, 09 Welding Services 238 \$4,731,60 Contingency 243 \$55,202,03 Envirmill/Clsd Loop 244 \$223,898,13 Lclin/Pils/Roads 305 \$19,241,85 Fuel Delivery & Services 311 \$7,086,00 Water 312 \$1,596,127,14 Bits 313 \$7,097,40 Mud & Chemicals 314 \$39,430,02 Contract Labor 325 \$63,088,03 Company Sprvsn 326 \$47,316,02 Confract Sprvsn 327 \$149,634,07 Tsig Csy/Tbp 328 \$15,772,01 Perf/Wireline Svc 331 \$566,082,32 Stimulation/Treating 332 \$5944,469.55 Completion Unit 333 \$67,519.63 Rentals-Surface 335 \$373,796.57 Trucking/Forkitif/Rig Mob 337 \$3,088.03 <td>\$0.00</td> <td>\$33,121</td>	\$0.00	\$33,121
Rentals-Subsrfc 236 5141,948,07 Trucking/Forkilf/Rig Mob 237 \$205,038,09 Welding Services 238 \$4,731,60 Contingency 243 \$55,022,03 EnvrmmIVClsd Loop 244 \$5283,989,13 Lctn/Pits/Roads 305 \$19,241,85 Fuel Delivery & Services 311 \$7,686,00 Water 312 \$15,599,127,14 Bits 313 \$7,097,40 Mud & Chemicals 314 \$39,430,02 Contract Labor 325 \$63,088,03 Company Sprvsn 326 \$47,316,02 Contract Sprvsn 326 \$47,316,02 Contract Sprvsn 327 \$149,834,07 Tstg Csy/Tbg 328 \$15,772.01 Perf/Wireline Svc 331 \$665,082,32 Simulation/Treating 332 \$5944,489,55 Completion Unit 333 \$67,819,63 Rentals-Surface 335 \$373,796,57 Trucking/Forklift/Rig Mob 337 \$63,088,03 <tr< td=""><td>\$0.00</td><td>\$6,308</td></tr<>	\$0.00	\$6,308
Trucking/Forkitir/Rig Mob Welding Services 238 \$4,731.60 Contingency 243 \$55,202.03 Envirmit/Ciscl Loop 244 \$283,896.13 Soft-Right Right R	\$0.00	\$181,378
Welding Services 238 \$4,731.60 Contingency 243 \$55,202.03 Envirmill/Cisd Loop 244 \$283,895,13 Lclin/Pils/Roads 305 \$19,241,85 Fuel Delivery & Services 311 \$7,696,00 Water 312 \$1,596,127,14 Bits 313 \$7,097.40 Mud & Chemicals 314 \$39,430,02 Contract Labor 325 \$63,088,03 Company Sprvsn 326 \$47,316,02 Company Sprvsn 326 \$47,316,02 Contract Sprvsn 327 \$149,834,07 Tsig Csg/Tbp 326 \$15,772.01 Perf/Wireline Svc 331 \$566,082,32 Stimulation/Treating 332 \$5944,469.55 Completion Unit 333 \$67,519.63 Arentals-Surface 335 \$373,796.57 Trucking/Forklit//Rig Mob 337 \$63,088.03 Welding Services 338 \$7,686.00 Waler Disposal 339 \$94,632.04	\$0.00	\$141,948
Contingency 243 \$55,202.03 Environmil/Clsd Loop 244 \$283,896,13	\$0.00	\$205,036
Contingency 243 \$55,202.03 Environment/Clsd Loop 244 \$283,896,13 \$55,202.03 Environment/Clsd Loop 244 \$283,896,13 \$55,202.03 Environment/Clsd Loop 244 \$283,896,13 \$55,202.03 Environment/Clsd Loop 305 \$19,241,85 Fuel Delivery & Services 311 \$7,086,00 \$11 \$7,086,00 \$12 \$12,596,127,14 \$13 \$12,596,127,14 \$13 \$12,596,127,14 \$13 \$13,570,97,40 \$14 \$39,430,02 \$14 \$39,430,02 \$14 \$39,430,02 \$14 \$14,04	\$0.00	\$4,731
EnvirmIII/Cisd Loop 244 5283,898,13 LcIn/Pils/Roads 305 519,241.85 Truel Delivery & Services 311 57,886,00 Water 312 \$1,596,127.14 Bits 313 \$7,097.40 Mud & Chemicals 314 \$39,430.02 Contract Labor 325 \$63,088,03 Company Sprvsn 326 \$47,316.02 Contract Sprvsn 327 \$149,834.07 Tsig Csg/Tbg 328 \$15,772.01 Fort/Wireline Svc 331 \$566,082.32 Stimulation/Treating 332 \$5,944,469.55 Completion Unit 333 \$67,819.63 Forticking/Forkliti/Rig Mob 337 \$33,088.03 Water Disposal 339 \$46,832.04 Contingency 343 \$394,832.04 Forticking-forkliti/Rig Mob 347 \$83,088.03 Water Disposal 339 \$46,832.04 Forticking-forkliti/Rig Mob 347 \$58,088.03 Forticking-forkliti/Rig Mob 348 \$57,688.00 Forticking-forkliti/Rig Mob 349 \$59,682.04 Forticking-forkliti/Rig Mob 347 \$580,00.18 Forticking-forkliti/Rig Mob 348 \$57,688.00 Forticking-forkliti/Rig Mob 349 \$59,682.04 Forticking-forkl	\$0.00	\$55,202
LcInt/Pils/Roads 305 \$19,241.85 Fuel Delivery & Services 311 \$7,866.00 Water 312 \$1,596,127.14 Bits 313 \$7,097.40 Mud & Chemicals 314 \$39,430.02 Contract Labor 325 \$63,088.03 Company Sprvsn 326 \$47,316.02 Contract Sprvsn 327 \$149,834.07 Tsig Csp/Tbp 328 \$15,772.01 Perf/Wireline Svc 331 \$665,082.32 Silmulation/Treating 332 \$5944.499.55 Completion Unit 333 \$67,819.63 Sentals-Surface 335 \$373,799.57 Trucking/Forklift/Rig Mob 337 \$63,088.03 Welding Services 338 \$7,686.00 Welding Services 338 \$7,686.00 Velding Services 343 \$394,532.04 Contigency 343 \$394,632.04 Contigency 343 \$394,632.04 Flowback Crews & Equip 347 \$200,304.49	\$0.00	\$283,896
Fuel Delivery & Services 311 57,866.00 Water 312 \$1,596,127.14 Sits 313 \$1,596,127.14 Sits 313 \$7,097.40 Sits 313 \$7,097.40 Sits 314 \$39,430.02 Contract Labor 325 \$63,086.02 Company Sprvsn 326 \$47,316.02 Contract Sprvsn 327 \$149,834.07 Sits Csg/Tbg 326 \$15,772.01 Sits Csg/Tbg 326 \$15,772.01 Sits Csg/Tbg 326 \$15,772.01 Sits Csg/Tbg 326 \$15,772.01 Sits Csg/Tbg 327 \$149,834.07 Sits Csg/Tbg 328 \$15,772.01 Sits Csg/Tbg 328 \$15,772.01 Sits Csg/Tbg 326 \$15,772.01 Sits Csg/Tbg 327 \$149,834.07 Sits Csg/Tbg 327 \$15,772.01	\$0.00	\$19,241
Water 312 \$1,596,127.14 Bits 313 \$7,097.40 Mud & Chemicals 314 \$39,350.02 Contract Labor 325 \$53,088.03 Company Sprvsn 326 \$47,316.02 Contract Sprvsn 327 \$149,834.07 Tsig Csg/Tbp 328 \$15,772.01 Perf/Wireline Svc 331 \$568,082.32 Stimulation/Treating 332 \$5,944.469.55 Completion Unit 333 \$67,819.63 Rentals-Surface 335 \$373,796.57 Trucking/Forklift//Rig Mob 337 \$33,088.03 Wielding Services 338 \$7,886.00 Waler Disposal 339 \$94,632.04 Contingency 343 \$394,032.04 Flowback Crews & Equip 347 \$200,304.49 -Localion/Pils/Roads 353 \$134,062.06 -Contract Labor 356 \$126,176.06 -Waler Disposal 362 \$141,948.07 Q-Contract Supervision 376 \$8,674.60 <	\$0.00	\$7,886
Bits 313 \$7,097,40 Mud & Chemicals 314 \$39,430,02 Contract Labor 325 \$63,088,03 Company Sprvsn 326 \$47,316,02 Contract Sprvsn 327 \$149,834,07 Tstg Csg/Tbg 328 \$15,772.01 Perf/Wireline Svc 331 \$666,082.32 Simulation/Treating 332 \$5944,489.55 Completion Unil 333 \$67,818.63 Sentals-Surface 335 \$373,796.57 Trucking/Forklift/Rig Mob 337 \$63,088.03 Welding Services 338 \$7,886.00 Welding Services 338 \$7,886.00 Valer Disposal 343 \$394,532.04 Conting Labor 344 \$7,886.00 Flowback Crews & Equip 347 \$200,304.49 -Localion/Pils/Roads 353 \$130,002.06 -Water Disposal 362 \$141,948.07 -Q-Contract Labor 362 \$141,948.07 -Q-Contract Supervision 376 \$8,674.60 <td>\$0.00</td> <td>\$1,596,127</td>	\$0.00	\$1,596,127
Mud & Chemicals 314 \$39,430.02 Contract Labor 325 563,088,03 Company Sprvsn 326 \$47,316.02 Contract Sprvsn 327 \$149,834.07 Tstg Csg/Tbg 328 \$15,772.01 Perf/Wireline Svc 331 \$5680,082.32 Stimulation/Treating 332 \$5,944,469.55 Completion Unit 333 \$67,619.63 Rentals-Surface 335 \$373,796.57 Trucking/Forklit//Fig Mob 337 \$83,085.03 Welding Services 338 \$7,886.00 Water Disposal 339 \$94,632.04 Contingency 343 \$394,300.18 Envmmtl/Cisd Loop 344 \$7,886.00 Flowback Crews & Equip 347 \$200,304.49 -Localion/Pils/Roads 353 \$130,062.06 -Water Disposal 362 \$11,1948.07 -Q-Contract Supervision 376 \$8,674.60 -Q-Completion Unit 381 \$12,144.45	\$0.00	\$7,097
Contract Labor Company Sprvsn 326 S47,316.02 Contract Sprvsn 327 S149,834.07 S15g Csg/Tbp 328 S149,834.07 S15g Csg/Tbp 328 S15,772.01 S16g Csg/Tbp 331 S586,082.32 Stimulation/Treating 332 S5,944,469.55 Scompletion Unit 333 S67,816.63 S67,816.63 S67,816.63 S78,796.57 Trucking/Forklitt/Rig Mob 337 S63,088.03 Welding Services 338 S7,865.00 Welding Services 338 S7,865.00 S94,632.04 S04,632.04 S06,032.04 S07,865.00 S07,865.00 S07,865.00 S07,965.00 S07,967.00 S07,976.00 S07,976.00 S07,976.00 S07,976.00 S07,976.00 S07,976.00 S07,976.00	\$0.00	\$39,430
Company Sprvsn 326 \$47,316.02 Contract Sprvsn 327 \$149,834.07 Stig Csg/Tbg 326 \$15,772.01 Perf/Wireline Svc 331 \$566,082.32 Stimulation/Treating 332 \$5,944,469.55 Completion Unit 333 \$67,819.63 Rentals-Surface 335 \$373,796.57 Trucking/Forklit/Rig Mob 337 \$83,088.03 Velding Services 338 \$7,885.00 Water Disposal 339 \$94,632.04 Conlingency 343 \$394,300.18 Flowback Crews & Equip 347 \$5200,304.49 -Localion/Pits/Roads 353 \$134,092.06 -Uoalter Labor 356 \$126,176.06 -Water Disposal 362 \$141,948.07 Q-Completion Unit 381 \$12,174.45	\$0.00	\$63,088
Contract Sprvsn 327 \$149,834.07 Tstg Csg/Tbg 328 \$15,772.01 Perf/Wireline Svc 331 \$5680,082.32 Stimulation/Treating 332 \$5,944,469.55 Completion Unit 333 \$67,619.63 Rentals-Surface 335 \$373,796.57 Trucking/Forklit/Rig Mob 337 \$83,085.03 Welding Services 338 \$7,886.00 Water Disposal 339 \$94,632.04 Conlingency 343 \$394,300.18 Envmmtl/Cisd Loop 344 \$7,886.00 Flowback Crews & Equip 347 \$200,304.49 -Localion/Pils/Roads 353 \$130,062.06 -Water Disposal 356 \$120,176.06 -Water Disposal 352 \$141,948.07 Q-Contract Supervision 366 \$86,74.60 Q-Completion Unit 381 \$12,144.45	\$0.00	\$47,316
Tstg Csy/Tbg 328 \$15,772.01 Perd/Wireline Svc 331 \$3685,082.32 Stimulation/Treating 332 \$5,944,489.55 Completion Unit 333 \$67,819.63 Sentals-Surface 335 \$379,796.57 Trucking/Forklift/Rig Mob 337 \$63,088.03 Welding Services 338 \$7,686.00 Waler Disposal 339 \$94,632.04 Contingency 343 \$394,300.18 Envrmmtl/Cisd Loop 344 \$7,886.00 Flowback Crews & Equip 347 \$200,304.49 -Localion/Piis/Roads 353 \$130,082.06 -Water Disposal 362 \$141,948.07 Q-Contract Luber 356 \$317,080 -Water Disposal 362 \$141,948.07 Q-Completion Unit 381 \$12,144.45	\$0.00	
Perf/Wireline Svc 331 \$865,082.32 Stimulation/Treating 332 \$5,944,469.55 Completion Unit 333 \$57,919.63 Rentals-Surface 335 \$373,796.57 Trucking/Forklift/Rig Mob 337 \$33,088.03 Welding Services 338 \$7,886.00 Waler Disposal 339 \$94,632.04 Contingency 343 \$394,300.18 Forwrmtl/Cisd Loop 344 \$7,886.00 Flowback Crews & Equip 347 \$200,304.49 -Contract Labor 356 \$134,062.06 -Valer Disposal 352 \$141,948.07 Q-Contract Supervision 376 \$8,674.60 Q-Completion Unit 381 \$12,144.45		\$149,834
Stimulation/Treating 332 \$5,944,469,55 Completion Unit 333 \$67,819,63 Sentals-Surface 335 \$373,796,57 Frucking/Forklift/Rig Mob 337 \$83,088,03 Welding Services 338 \$7,686,00 Water Disposal 339 \$94,632,04 Contingency 343 \$394,300,18 Envmmtl/Cisd Loop 344 \$7,886,00 Flowback Crews & Equip 347 \$200,304.49 -Localion/Pils/Roads 353 \$134,062.06 -Contract Labor 356 \$126,176.06 -Water Disposal 352 \$141,948.07 Q-Contract Supervision 366 \$86,74.60 Q-Completion Unit 381 \$12,144.45	\$0.00	\$15,772 \$686,082
Completion Unit 333 \$57,819.63 Rentals-Surface 335 \$373,796.57 Trucking/Forklit/Rig Mob 337 \$33,088.03 Welding Services 338 \$7,885.00 Water Disposal 339 \$94,632.04 Contingency 343 \$394,300.18 Flowback Crews & Equip 347 \$200,304.49 -Location/Piss/Roads 353 \$134,062.06 -Ontract Labor 356 \$126,176.06 -Water Disposal 362 \$141,948.07 Q-Contract Supervision 376 \$8,674.60 Q-Completion Unit 381 \$12,144.45	\$0.00	
Rentals-Surface 335 \$373,796,57 Frucking/Forklift/Rig Mob 337 \$33,088,03 Welding Services 338 \$7,886,00 Water Disposal 339 \$94,632,04 Conlingency 343 \$394,300,18 Envrnmtl/Cisd Loop 344 \$7,886,00 Flowback Crews & Equip 347 \$200,304,49 Location/Pits/Roads 353 \$134,062,06 -Contract Labor 356 \$126,176,06 -Water Disposal 352 \$141,948,07 Q-Contract Supervision 376 \$8,674.60 Q-Completion Unit 381 \$12,144,45	\$0.00	\$5,944,469
Frucking/Forklit//Rig Mob 337 \$33,088,03 Welding Services 338 \$7,886,00 Water Disposal 339 \$94,632,04 Conlingency 343 \$394,300,18 Envmmtl/Cisd Loop 344 \$7,888,00 Flowback Crews & Equip 347 \$200,304,49 -Localion/Pils/Roads 353 \$134,062,06 -Contract Labor 356 \$126,176,06 -Water Disposal 352 \$141,948,07 Q-Contract Supervision 376 \$8,674,60 Q-Completion Unit 381 \$12,144,45	\$0.00	\$67,819
Welding Services 338 \$7,886.00 Water Disposal 339 \$94,632.04 Contlingency 343 \$394,300.18 Envrmtll/Clsd Loop 344 \$7,886.00 Flowback Crews & Equip 347 \$200,304.49 Localion/Pits/Roads 353 \$134.092.06 Contract Labor 356 \$126,176.06 -Water Disposal 362 \$141,948.07 Q-Contract Supervision 376 \$8,674.60 Q-Completion Unit 381 \$12,144.45	\$0.00	\$373,796
Water Disposal 339 \$94,632,04 Conlingency 343 \$394,300.18 Envrmttl/Cisd Loop 344 \$7,886.00 Flowback Crews & Equip 347 \$200,304.49 -Location/Pils/Roads 353 \$134,062.06 -Contract Labor 356 \$126,176.06 -Water Disposal 362 \$111,948.07 Q-Contract Supervision 376 \$8,674.60 Q-Completion Unit 381 \$12,144.45	\$0.00	\$63,088
Contingency 343 \$334, 300.18 InvirmIII/Clsd Loop 344 \$7,886.00 Ilowback Crews & Equip 347 \$200,304.49 -Location/Pits/Roads 353 \$134,062.06 -Contract Labor 356 \$126,176.06 -Water Disposal 362 \$141,948.07 Q-Contract Supervision 376 \$8,674.60 Q-Comptelion Unit 381 \$12,144.45	\$0,00	\$7,886
Envrmtl /Cisd Loop	\$0.00	\$94,632
Flowback Crews & Equip 347 \$200,304.49 Localion/Pils/Roads 353 \$134,062.06 Contract Labor 356 \$126,176.06 Waler Disposal 362 \$111,948.07 Q-Contract Supervision 376 \$8,674.60 Q-Completion Unit 381 \$12,144.45	\$0.00	\$394,300
-Localion/Pils/Roads 353 \$134,062.06 -Contract Labor 356 \$126,178.06 -Water Disposal 362 \$141,948.07 Q-Contract Supervision 376 \$8,674.60 Q-Completion Unit 381 \$12,144.45	\$0.00	\$7,886.
-Contract Labor 356 \$126,176.06 -Water Disposal 362 \$141,948.07 Q-Contract Supervision 376 \$8,674.60 Q-Completion Unit 381 \$12,144.45	\$0.00	\$200,304
-Water Disposal 362 \$141,948.07 Q-Contract Supervision 376 \$8,674.60 Q-Completion Unit 381 \$12,144.45	\$0.00	\$134,062
Q-Contract Supervision 376 \$8,674.60 Q-Completion Unit 381 \$12,144.45	\$0.00	\$126,176
Q-Completion Unit 381 \$12,144.45	\$0.00	\$141,948
Q-Completion Unit 381 \$12,144.45	\$0.00	\$8,674
	\$0.00	\$12,144.
	\$0.00	\$10,409
Q-Trkg/Forklift/Rig Mobilization 385 \$8,674.60	\$0.00	\$8,674
tal Intangible Costs \$13,313,151.36	\$0.00	\$13,313,151.
tal Gross Cost \$14,771,000.00 le: The above costs are estimates only. Actual costs will be billed as incurred.	\$0.00	\$14,771,000.

By:

We approve:

We working interest

Corpany:

By:

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

Page 1 of 1

Well Name Potato Baby St Com 702H
SHL SEC 22: UNIT A
BHL SEC 34: LOT 4
Formation WOLFCAMP A
Legal 22, 27, 34, T26S-R26E
AFE Numbers

Prospect ATLAS 2628 (717052)
State & County NEW MEXICO, EDDY
Objective Drill & Complete
Depth
TVD

21,640 9,540

401 402 403 405 504	\$25,822.22 \$70,088.88 \$301,259.21 \$30,740.74	\$0.00 \$0.00 \$0.00	\$25,822 \$70,088 \$301,259 \$30,740
402 403 405 504	\$70,088.88 \$301,259.21	\$0.00 \$0.00	\$70,088
403 405 504	\$301,259.21	\$0.00	\$301.259
405 504	\$30,740,74		
504			\$30.740
	\$47,340.73	\$0.00	\$47,340
		\$0.00	\$47,340
505	\$16,231,11	\$0.00	\$16,231
506	\$117,921.46	\$0.00	\$117,921
508	\$47,340.73	\$0.00	\$47,340
510	\$92,222.21	\$0.00	\$92,222
511	\$12,296.29	\$0.00	\$12,296
512		\$0.00	\$129,111
	592 222 21	50.00	\$92,222
			\$6,148
			\$282,814
			\$30,740
			\$30,740
	\$36,888.88		\$36,888
			\$55,333
527	\$12,296.29	\$0.00	\$12,296
529	\$5,410,37	\$0.00	\$5,410
	\$4.057.78	\$0.00	\$4,057
	\$10,820.74		\$10,820
032			
	\$1,457,848.64	\$0.00	\$1,457,848
201	\$17,349.21	\$0.00	\$17,349
		\$0,00	\$6,308
	\$7,886.00	\$0.00	\$7,886
		\$0.00	\$9,463
	\$180 264 00		\$189,264
			\$9,463
	\$643,497.90	\$0.00	\$643,497
210			\$258,660
211	\$113,558.45	\$0.00	\$113,558
212	\$83,591.64	\$0.00	\$83,591
213	\$102 518 05	\$0.00	\$102,518
			\$141,948
	\$25,225,21		\$25,235
		50.00	\$41,007
			\$209,767
			\$63,088
			\$50,470
225	\$11,040.41	\$0.00	511,040
226	\$56,779.23	\$0.00	\$56,779
	\$100.940.85	50.00	\$100,940
			\$31,544
			\$33,121
220	66 309 90	\$0.00	\$6,308
	30,300,00		\$181,378
	\$141,948.07		\$141,948
237	\$205,036.09		\$205,038
238	\$4,731.60	\$0.00	\$205,036 \$4,731
243	\$55,202.03	\$0.00	\$55,202
			\$283,896
	\$10.241.85		\$19,241
		\$0.00	\$7,886
	\$1,598,127.14		\$1,596,127
	\$7,097.40		\$7,097
			\$39,430
325	\$63,088.03	\$0.00	\$63,088
326	\$47,316.02	\$0.00	\$47,318
	\$149,834.07	\$0.00	\$149,834
			\$15,772
			\$686,082
	2000,002.32		
			\$5,944,469
			\$67,819
		\$0.00	\$373,796
337	\$63,088.03		\$63,088
338	\$7,886.00	\$0.00	\$7,886
			\$94,632
	\$394 300 18		\$394,300
	\$7.886.00		\$7,886
			\$200,304
			\$134,062
			\$126,176
362			\$141,948
376	\$8,674.60	\$0.00	58,674
			\$12,144
	\$10,409,52		\$10,409
385			\$8,674
100	\$13,313,151.36	\$0.00	\$13,313,151
	\$14,771,000.00	\$0.00	\$14,771,000
	512 513 514 515 516 521 525 526 527 529 531 532 201 202 203 204 205 206 209 210 211 212 214 217 218 219 221 222 226 227 228 229 231 331 331 332 332 333 334 334 344 347 353 356	512 \$129,111,08 513 \$92,222 21 514 \$6,148,15 515 \$282,814,77 516 \$30,740,74 521 \$30,740,74 521 \$30,740,74 522 \$368,88 526 \$55,333,32 527 \$12,296,29 529 \$5,410,37 531 \$4,657,78 532 \$10,820,74 \$1,457,848,64 201 \$17,349,21 202 \$5,308,80 203 \$7,866,00 204 \$54,65,20 205 \$540,307,80 206 \$9,463,20 207 \$129,266,60 208 \$9,463,20 209 \$5443,497,90 210 \$255,869,92 211 \$113,558,45 212 \$83,591,64 213 \$102,518,05 214 \$14,948,07 217 \$252,525,21 218 \$41,907,22 219 \$200,767,70 221 \$63,068,00 222 \$50,470,42 225 \$110,041 226 \$56,779,23 227 \$100,940,85 228 \$31,544,01 229 \$33,121,22 221 \$63,068,00 235 \$181,376,06 235 \$181,376,06 235 \$181,376,06 235 \$181,376,06 236 \$141,948,07 237 \$200,036,09 238 \$47,731,60 238 \$47,731,60 238 \$47,731,60 238 \$47,731,60 238 \$47,731,60 237 \$500,036,09 238 \$47,731,60 238 \$47,731,60 237 \$198,834,07 237 \$198,834,07 237 \$198,834,07 237 \$149,834,07 237 \$198,800 238 \$47,316,00 237 \$149,834,07 237 \$65,086,03 238 \$47,731,60 237 \$65,086,03 238 \$47,731,60 238 \$47,731,60 239 \$15,772,01 331 \$5686,00 339 \$94,632,04 344 \$283,866,13 357,866,00 347 \$200,304,49 353 \$373,766,57 376 \$5,674,60 361 \$12,144,45 383,313,151,36	\$12 \$129,111.08 \$0.00 \$131 \$92,222 1 \$0.00 \$14 \$6,146.15 \$0.00 \$151 \$282,814,77 \$0.00 \$151 \$282,814,77 \$0.00 \$151 \$282,814,77 \$0.00 \$152 \$282,814,77 \$0.00 \$152 \$282,814,77 \$0.00 \$152 \$30,740,74 \$0.00 \$152 \$30,740,74 \$0.00 \$152 \$30,740,74 \$0.00 \$152 \$130,740,74 \$0.00 \$152 \$130,740,74 \$0.00 \$152 \$130,740,74 \$0.00 \$152 \$130,740,74 \$0.00 \$152 \$10,820,74 \$0.00 \$152 \$10,820,74 \$0.00 \$152 \$10,820,74 \$0.00 \$152 \$10,820,74 \$0.00 \$152 \$10,820,74 \$0.00 \$153 \$4,657,78 \$0.00 \$153 \$4,657,78 \$0.00 \$153 \$4,657,78 \$0.00 \$153 \$4,657,78 \$0.00 \$153 \$14,657,846,64 \$0.00 \$152 \$10,820,74 \$0.00 \$152 \$10,820,74 \$0.00 \$152 \$10,820,74 \$0.00 \$152 \$10,820,74 \$0.00 \$152 \$10,820,74 \$0.00 \$152 \$10,820,74 \$0.00 \$152 \$10,820,74 \$1,457,846,64 \$10,00 \$152 \$10,820,80 \$10,00 \$152 \$10,820,80 \$10,00 \$152 \$10,820,80 \$10,00 \$152 \$10,820,80 \$10,00 \$152 \$10,820,80 \$10,00 \$152 \$10,820,80 \$10,00 \$152 \$10,820,80 \$10,00 \$152 \$10,820,80 \$10,00 \$152 \$10,820,80 \$10,00 \$152 \$10,820,80 \$10,00 \$152 \$10,820,80 \$10,00 \$152 \$10,820,80 \$10,00 \$152 \$10,820,80 \$10,00 \$152 \$10,820,80 \$10,00 \$152 \$10,820,80 \$10,00 \$152 \$10,820,80 \$10,00 \$152 \$10,820,80 \$10,00 \$152 \$10,820,80 \$10,90 \$10,

Note: The above costs are estimates only. Actual costs will be billed as incurre	d.
COG Operating LLC	
Ву:	Date Prepared:
	COG Operating LLC
We approve: "6 Working Interest	_Ву:
Company:	
By:	
Printed Name:	
Title:	This AFE is only an estimate. By signing you agree to pay
Date:	your share of the actual costs incurred.

Well Name Potato Baby St Com 703H
SHL SEC 22: UNIT B
BHL SEC 34: LOT 3
Formation WOLFCAMP A
Legal 22, 27, 34, T26S-R28E
AFE Numbers

Prospect ATLAS 2628 (717052) State & County NEW MEXICO, EDDY Objective Drill & Complete Depth TVD

401 402 403 405 504 505 506 510 511 512 513 514 515 516 525 526 527 529 531 532 201 202 203 204 205 206 208 208 208 208 210 211 211 212 213 214 217 218 219 210 211 211 212 213 214 215 216 217 217 218 218 219 219 210 211 211 211 211 212 213 214 215 216 217 217 218 218 218 218 219 219 210 211 211 211 211 212 213 214 215 216 217 217 218 218 218 218 219 210 211 211 211 211 211 211 211	\$25,822 22 \$70,088.88 \$301,259.21 \$30,740,74 \$47,340,73 \$16,231.11 \$117,921.46 \$47,340.73 \$92,222.21 \$12,296.29 \$129,111.09 \$92,222.21 \$6,146.15 \$282,814.77 \$30,740.74 \$30,740.74 \$30,740.74 \$36,886.88 \$55,333.32 \$12,296.29 \$12,296.29 \$12,296.29 \$12,296.29 \$12,296.29 \$12,296.29 \$12,296.29 \$12,296.29 \$12,296.29 \$14,657.78 \$10,802.74 \$1,457,848.84	\$0.00 \$0.00	\$25,82 \$70,88 \$301,28 \$30,28 \$13,01,28 \$117,92 \$47,34 \$92,22 \$1,12,99 \$12,91 \$92,22 \$6,14 \$202,91 \$30,74 \$3
402 403 405 504 505 506 506 506 510 511 512 513 514 515 516 521 525 526 527 529 531 532 201 202 203 204 205 206 207 207 208 208 209 210 211 212 213 214 217 218 219 217 218 219 219 219 219 219 219 219 219	\$70,088.88 \$301,259.21 \$30,740,74 \$47,340,73 \$16,231,11 \$117,021.46 \$47,340,73 \$92,222.21 \$12,961.29 \$129,111.09 \$92,222.21 \$6,146.15 \$282,614.77 \$30,740,74 \$30,740,74 \$30,740,74 \$30,740,74 \$30,740,74 \$30,740,74 \$36,888.88 \$55,333,32 \$12,296.29 \$54,40,37 \$4,057,78 \$10,620,74 \$1,457,848.84	\$0.00 \$0.00	\$70,08 \$301,25 \$30,74 \$47,34 \$47,34 \$512,29 \$5117,92 \$512,29 \$512,29 \$5,14 \$520,21 \$530,74 \$530,75 \$53
403 405 504 506 508 510 511 512 513 514 515 516 521 525 526 527 529 531 532 201 202 203 204 205 208 210 211 212 213 214 217 218 217 218 218 219 217 218 218 218 218 218 218 218 218 218 218	\$301,259,21 \$307,40,74 \$47,340,73 \$16,231,11 \$117,221,46 \$47,340,73 \$92,222,1 \$12,296,29 \$129,111,09 \$92,222,1 \$6,148,15 \$262,614,77 \$30,740,74 \$30,740,74 \$30,740,74 \$30,740,74 \$30,740,74 \$30,740,74 \$316,886,89 \$55,333,32 \$12,296,29 \$54,477,80 \$10,820,74 \$1,457,848,84 \$17,349,21 \$6,306,80 \$7,86,00 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$113,558,45 \$13,558,45 \$10,2518,05 \$113,558,45 \$10,2518,05 \$113,558,45 \$10,2518,05 \$111,558,65	\$0.00 \$0.00	\$301,25 \$30,74 \$47,34 \$18,23 \$117,92 \$47,34 \$92,22 \$1,12,98 \$129,11 \$92,22 \$6,14 \$30,74 \$36,88 \$55,33,74 \$36,88 \$55,33,74 \$4,05 \$10,82 \$1,457,84 \$1,457,84 \$1,457,84 \$1,358,86 \$
504 505 506 506 506 510 511 512 513 514 515 516 521 525 526 527 529 531 532 201 202 203 204 205 206 208 210 211 212 213 214 217 218 217 218	\$30,740,74 \$47,340,73 \$16,231,11 \$117,292,146 \$47,340,73 \$92,222,21 \$12,296,29 \$129,111,09 \$92,222,21 \$6,148,15 \$282,814,77 \$30,740,74 \$30,740,74 \$30,740,74 \$30,740,74 \$30,740,74 \$30,740,74 \$30,740,74 \$30,740,74 \$30,740,74 \$30,740,74 \$30,740,74 \$30,740,74 \$30,740,74 \$30,740,74 \$30,740,74 \$31,826,886 \$55,333,32 \$12,226,29 \$5,410,37 \$4,057,78 \$10,820,74 \$1,457,848,64 \$117,349,21 \$6,306,80 \$7,886,00 \$7,886,00 \$9,463,20 \$189,264,09 \$9,463,20 \$84,497,90 \$258,660,92 \$113,558,45 \$83,591,64 \$10,25,16,05 \$114,948,07 \$252,516,05	\$0.00 \$0.00	\$30,74 \$47,34 \$19,23 \$117,92 \$47,34 \$47,34 \$47,34 \$47,34 \$47,34 \$47,34 \$47,34 \$47,34 \$47,34 \$512,21 \$512,21 \$512,21 \$512,21 \$51,22,11 \$92,22 \$6,11 \$20,21 \$30,74 \$3
505 506 508 510 511 512 513 514 515 516 527 529 531 532 201 202 203 204 205 206 209 210 211 211 212 213 214 217 218 219	\$47,340,73 \$16,231,11 \$117,921,46 \$47,340,73 \$92,222,21 \$12,296,29 \$129,111,99 \$92,222,21 \$6,146,15 \$282,614,77 \$30,740,74 \$30,740,74 \$36,886,88 \$55,33,32 \$12,296,29 \$5,410,57 \$4,057,78 \$10,820,74 \$1,457,848,64 \$17,349,21 \$6,308,80 \$7,886,90 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$13,558,497,90 \$258,650,92 \$113,558,45 \$10,2518,05 \$113,558,45 \$102,518,05 \$113,558,45 \$102,518,05 \$113,558,45 \$102,518,05 \$113,558,45 \$102,518,05 \$113,558,45 \$102,518,05 \$111,558,05 \$113,558,45 \$102,518,05 \$111,558,65 \$113,558,45 \$102,518,05 \$111,558,65 \$113,558,45 \$102,518,05 \$111,558,45 \$102,518,05 \$111,558,45 \$102,518,05 \$111,948,07 \$252,523,521	\$0.00 \$0.00	\$47,34 \$16,23 \$117,92 \$47,34 \$92,22 \$12,91 \$92,22 \$6,14 \$30,74 \$33,88 \$55,33 \$12,29 \$5,40 \$1,467,64 \$1,467,64 \$1,368 \$1,3
506 506 508 510 511 512 513 514 515 516 521 525 527 529 531 532 201 202 203 204 205 206 209 210 211 212 213 214 217 218	\$16,231,11 \$117,221,46 \$47,340,73 \$92,222,21 \$12,296,29 \$129,111,09 \$92,222,21 \$6,148,15 \$202,814,77 \$30,740,74 \$30,740,74 \$30,740,74 \$36,886,88 \$55,333,32 \$12,296,29 \$5,410,37 \$4,057,78 \$10,220,74 \$1,457,648,64 \$17,349,21 \$6,306,80 \$7,886,90 \$7,886,90 \$7,886,90 \$9,463,20 \$189,264,09 \$9,463,20 \$13,558,49,790 \$258,660,92 \$113,558,49 \$102,518,05 \$102,518,05 \$102,518,05 \$113,558,45 \$102,518,05 \$113,558,45 \$102,518,05 \$113,558,45 \$102,518,05 \$113,558,45 \$102,518,05 \$114,948,07 \$252,518,07 \$114,948,07 \$252,518,07 \$114,948,07 \$252,518,07 \$114,948,07 \$252,518,07 \$114,948,07 \$252,518,07 \$114,948,07 \$252,518,07 \$114,948,07 \$252,518,07 \$114,948	\$9.00 \$0.00	\$16,23 \$117,92 \$47,94 \$92,22 \$12,29 \$5,14 \$92,22 \$6,14 \$202,81 \$30,74 \$3
508 510 511 512 513 514 515 516 521 525 526 527 529 531 532 201 202 203 204 205 206 209 210 211 212 213 214 217 218 219	\$117,921.46 \$47,340.73 \$92,222.21 \$12,296.29 \$129,111.09 \$92,222.21 \$61,48.15 \$2,262,814.77 \$30,740.74 \$30,740.74 \$36,886.88 \$55,333.32 \$12,296.29 \$5,410.37 \$4,057.78 \$10,620.74 \$1,457,848.64 \$17,349.21 \$6,308.80 \$7,886.00 \$9,463.20 \$189,264.00 \$9,463.20 \$189,660.92 \$113,558.45 \$102,518.05 \$141,948.07 \$252,535.21	\$9.00 \$0.00	\$117,92 \$47,34 \$92,22 \$12,91 \$92,22 \$6,14 \$30,24 \$36,88 \$55,33 \$12,29 \$3,41 \$4,05 \$10,82 \$1,467,64 \$15,36 \$
508 510 511 512 513 514 515 516 521 525 526 527 529 531 532 201 202 203 204 205 206 209 210 211 212 213 214 217 218 219	\$47,340,73 \$92,222 21 \$12,296,29 \$129,111.09 \$92,222 21 \$6,148,15 \$282,814,77 \$30,740,74 \$30,740,74 \$36,886,88 \$55,333,32 \$12,296,29 \$5,410,37 \$4,057,78 \$10,820,74 \$1,457,848,64 \$17,349,21 \$6,308,80 \$7,866,00 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$113,558,45 \$9,586,092 \$113,558,45 \$10,2518,05 \$141,948,07 \$252,566,092	\$0.00 \$0.00	\$47,34 \$92,22 \$12,91 \$92,22 \$6,14 \$282,81 \$30,74 \$36,88 \$55,33 \$12,29 \$5,40 \$1,457,84 \$1,367,84
510 511 512 513 514 515 516 521 525 526 527 529 531 532 201 202 203 204 205 206 209 210 211 212 213 214 217 218 217 218 219 219 219 219 219 219 219 219 219 219	\$92,222 21 \$12,296 29 \$129,111,09 \$92,222 21 \$6,146,15 \$282,614,77 \$30,740,74 \$30,740,74 \$36,886,88 \$55,333,32 \$12,296 29 \$54,037 \$4,057,78 \$10,620,74 \$1,457,848,84 \$17,349,21 \$6,306,80 \$7,886,00 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$13,558,45 \$13,558,45 \$13,558,45 \$13,558,45 \$13,558,45 \$13,558,45 \$13,558,45 \$113,558,45 \$113,558,45 \$113,558,45 \$113,558,45 \$113,558,45 \$113,558,45 \$113,558,45 \$113,558,45 \$113,558,45 \$113,558,45 \$112,518,65 \$114,1948,07	\$0.00 \$0.00	\$92,22 \$12,29 \$12,21 \$22,21 \$6,14 \$202,61 \$30,74 \$30,74 \$30,74 \$35,68 \$55,33 \$12,29 \$5,41 \$4,05 \$10,62 \$1,467,84 \$1,467,84 \$1,84,05 \$1,94,06 \$1,94,
511 512 513 514 515 516 521 525 526 527 529 531 532 201 202 203 204 205 208 209 210 211 212 213 214 217 218	\$12,296,29 \$129,111.99 \$92,222,21 \$6,146,15 \$282,614,77 \$30,740,74 \$30,740,74 \$36,886,88 \$55,33,32 \$12,296,29 \$5,410,37 \$4,057,78 \$10,820,74 \$1,457,848,64 \$17,349,21 \$6,308,80 \$7,86,00 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$113,558,45 \$17,358,45 \$113,558,45 \$113,558,45 \$113,558,45 \$113,558,45 \$113,558,45	\$0.00 \$0.00	\$12,29 \$129,11 \$92,22 \$6,14 \$202,81 \$30,74 \$36,88 \$55,33 \$12,29 \$5,41 \$4,05 \$10,82 \$1,457,84 \$17,34 \$5,94 \$5
512 513 514 515 516 521 525 526 527 529 531 532 201 202 203 204 205 206 209 210 211 212 213 214 217 218	\$129,111.09 \$92,22221 \$6,146.15 \$282,614.77 \$30,740.74 \$30,740.74 \$36,740.74 \$36,886.88 \$55,333.32 \$12,296.29 \$5,410.37 \$4,057.78 \$10,620.74 \$1,457,848.84 \$17,349.21 \$6,306.80 \$7,886.00 \$9,463.20 \$189,264.09 \$9,463.20 \$189,264.09 \$9,463.20 \$189,264.09 \$9,463.20 \$189,264.09 \$9,463.20 \$13,558.45 \$13,558.45 \$13,558.45 \$113,558.45 \$113,558.45 \$112,518.05	\$0.00 \$0.00	\$129,11 \$92,22 \$6,14 \$202,61 \$30,74 \$30,74 \$30,74 \$30,88 \$55,33 \$12,29 \$5,41 \$4,05 \$10,62 \$1,457,84 \$5,30 \$7,88 \$9,46 \$119,26 \$9,48 \$543,95 \$182,26 \$9,48 \$182,26 \$9,48 \$583,96 \$113,55 \$83,96 \$110,55
513 514 515 516 526 526 527 529 531 532 201 202 203 204 205 206 209 210 211 211 212 213 214 217 218	\$92,222,21 \$6,146,15 \$282,814,77 \$30,740,74 \$30,740,74 \$30,740,74 \$36,886,88 \$55,33,32 \$12,286,29 \$5,410,37 \$4,057,78 \$10,620,74 \$1,457,848,64 \$17,349,21 \$6,306,80 \$7,86,60 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$113,558,45 \$13,558,45 \$13,558,45 \$102,518,05 \$141,948,07 \$252,535,21	\$0.00 \$0.00	\$92,22 \$6,14 \$202,81 \$30,74 \$36,88 \$55,33 \$12,29 \$5,41 \$4,05 \$10,82 \$1,457,84 \$13,93 \$1,457,84 \$1,34 \$
514 515 516 521 525 526 527 529 531 532 201 202 203 204 205 206 209 210 211 212 213 214 217 218	\$6,148.15 \$282,814.77 \$30,740,74 \$30,740,74 \$30,740,74 \$35,886.88 \$55,333.32 \$12,296.29 \$5,410.37 \$4,057,78 \$510,820,74 \$1,457,848.64 \$17,349,21 \$6,306.80 \$7,886.00 \$9,463,20 \$189,264.09 \$9,463,20 \$189,264.09 \$9,463,20 \$189,264.09 \$9,463,20 \$189,264.09 \$9,463,20 \$189,264.09 \$9,463,20 \$189,264.09 \$9,463,20 \$189,264.09 \$9,463,20 \$113,558.46 \$10,20,518.05 \$113,558.45 \$83,591.64 \$10,20,518.05 \$141,948.07 \$252,535,21	\$0.00 \$0.00	\$6,114 \$202.81 \$30,74 \$30,74 \$30,74 \$30,74 \$30,74 \$30,88 \$55,31 \$10,82 \$1,457,84 \$10,82 \$1,457,84 \$119,26 \$119,26 \$119,26 \$119,26 \$119,26 \$111,35 \$11,35 \$111,
515 516 521 525 526 527 529 531 532 201 202 203 204 205 206 209 210 211 212 213 214 217 218	\$282,814,77 \$30,740,74 \$30,740,74 \$336,886,88 \$55,333,32 \$12,296,29 \$5,410,37 \$4,057,78 \$10,620,74 \$1,457,848,84 \$17,349,21 \$6,306,80 \$7,886,00 \$9,463,20 \$189,264,00 \$9,463,2	\$0.00 \$0.00	\$282.81 \$30,74 \$36.88 \$55.33 \$12.29 \$5.41 \$4.05 \$10,22 \$1,457,84 \$1,357,84 \$
516 525 526 527 529 531 532 201 202 203 204 205 206 209 210 211 212 213 214 217 218	\$30,740,74 \$30,740,74 \$36,886,88 \$55,333,32 \$12,296,29 \$5,410,37 \$4,057,78 \$10,020,74 \$1,457,848,64 \$17,349,21 \$6,306,80 \$7,866,00 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$19,264,09 \$9,463,20 \$19,264,09 \$9,463,20 \$113,558,45 \$102,518,05 \$114,948,07 \$252,535,21	\$0.00 \$0.00	\$30,74 \$36,88 \$55,33 \$12,28 \$5,41 \$4,05 \$10,82 \$1,457,84 \$13,82 \$1,457,84 \$13,82 \$1,457,84 \$13,82,82 \$1,457,84 \$13,82,82 \$1,82,82
521 525 526 527 529 531 532 201 202 203 204 205 206 210 211 212 213 214 217 218 219	\$30,740,74 \$35,886,88 \$55,333,32 \$12,296,29 \$5,410,37 \$4,057,78 \$10,820,74 \$1,457,848,64 \$17,349,21 \$6,308,80 \$7,886,00 \$9,463,20 \$9,463,20 \$9463,20 \$9463,20 \$189,264,99 \$9,463,20 \$189,264,99 \$9,463,20 \$189,264,99 \$9,463,20 \$189,264,99 \$9,463,20 \$189,264,99 \$9,463,20 \$189,264,99 \$9,463,20 \$189,264,99 \$9,463,20 \$189,264,99 \$9,463,20 \$189,264,99 \$9,463,20 \$189,264,99 \$9,463,20 \$189,364,97 \$90 \$258,660,92 \$113,558,45 \$102,518,05 \$141,948,07 \$252,235,21	\$0.00 \$0.00	\$30,74 \$36,88 \$55,33 \$12,28 \$5,41 \$4,05 \$10,82 \$1,457,84 \$1,457,84 \$1,35 \$189,26 \$189,26 \$189,26 \$113,55 \$83,59 \$13,55 \$1
525 526 527 529 531 532 201 202 203 204 205 206 209 210 211 212 213 214 217 218 219	\$36,886,88 \$55,33,32 \$12,296,29 \$5,410,37 \$4,057,78 \$10,820,74 \$1,457,848,64 \$17,349,21 \$6,308,80 \$7,886,00 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$19,463,20 \$19,463,20 \$19,463,20 \$19,463,20 \$113,558,45 \$14,548,67 \$14,548,67 \$14,548,67 \$14,548,67 \$14,548,67 \$14,548,67 \$14,548,67 \$14,548,67 \$14,548,67 \$14,548,67 \$14,548,67 \$14,548,67 \$14,548,67 \$15,548,	\$0.00 \$0.00	\$36,88 \$55,33 \$12,28 \$5,41 \$4,05 \$10,62 \$1,457,84 \$17,34 \$6,30 \$7,88 \$9,46 \$119,26 \$9,48 \$643,49 \$228,66 \$113,55 \$83,59 \$102,51
526 527 529 531 532 201 202 203 204 205 206 209 210 212 213 214 217 218 217 218 219	\$55,333,32 \$12,296,29 \$5,410,37 \$4,057,78 \$10,620,74 \$1,457,848,84 \$17,349,21 \$6,306,80 \$7,886,00 \$7,886,00 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$13,558,45 \$13	\$0.00 \$0.00	\$55,33 \$12,29 \$5,41 \$4,05 \$10,62 \$1,457,84 \$17,34 \$5,30 \$7,88 \$9,46 \$189,26 \$9,48 \$258,66 \$113,55 \$83,59 \$102,51
527 529 531 532 201 202 203 204 205 206 209 210 211 212 213 214 217 218 219	\$12,296,29 \$5,410,37 \$4,057,78 \$10,620,74 \$1,457,848,84 \$17,349,21 \$6,308,80 \$7,886,00 \$9,463,20 \$189,264,00 \$9,463,20 \$189,264,00 \$9,463,20 \$189,264,00 \$9,463,20 \$189,264,00 \$9,463,20 \$189,264,00 \$9,463,20 \$189,264,00 \$9,463,20 \$189,264,00 \$9,463,20 \$189,264,00 \$9,463,20 \$189,264,00 \$9,463,20 \$189,264,00 \$9,463,20 \$189,264,00 \$9,463,20 \$9,4	\$0.00 \$0.00	\$12,29 \$5,411 \$4,05 \$10,82 \$1,457,84 \$17,34 \$6,30 \$7,88 \$9,46 \$189,26 \$9,48 \$643,49 \$2258,66 \$113,55 \$83,59 \$102,51
529 531 532 201 202 203 204 205 206 209 210 211 212 213 214 217 218 219	\$5,410,37 \$4,057,78 \$10,020,74 \$1,457,848.64 \$17,349,21 \$6,306,80 \$7,866,00 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$189,264,09 \$9,463,20 \$13,558,45 \$1	\$0.00 \$0.00	\$5,41 \$4,05 \$10,82 \$1,457,84 \$17,34 \$6,30 \$7,88 \$9,46 \$189,26 \$9,48 \$258,66 \$113,55 \$83,59 \$102,51
201 202 203 204 205 206 209 210 211 212 213 214 217 218 219	\$4,057.78 \$10,820.74 \$1,457,848.84 \$17,349.21 \$6,308.60 \$7,886.00 \$9,463.20 \$189,264.09 \$9,463.20 \$643,497.90 \$258,660.92 \$113,558.45 \$63,91.64 \$102,518.05 \$141,948.07 \$252,5235.21	\$0.00 \$0.00	\$4,05 \$10,82 \$1,457,84 \$17,34 \$5,30 \$7,88 \$9,46 \$189,26 \$9,46 \$13,55 \$13,55 \$81,59 \$102,51
201 202 203 204 205 206 209 210 211 212 213 214 217 218 219	\$10,820,74 \$1,457,848.84 \$17,349,21 \$6,308.80 \$7,868.00 \$9,463.20 \$189,264.09 \$9,463.20 \$643,497.90 \$258,660.92 \$113,558.45 \$83,591.64 \$102,518.05 \$141,948.07 \$253,525.21	\$0.00 \$0.00	\$10,82 \$1,457,84 \$17,34 \$6,30 \$7,88 \$9,40 \$189,26 \$94,8 \$228,86 \$113,55 \$83,95 \$102,51
201 202 203 204 205 206 209 210 211 212 213 214 217 218 219	\$1,457,848.64 \$17,349.21 \$6,308.80 \$7,886.00 \$9,463.20 \$189,264.09 \$9,463.20 \$643,497.90 \$258,660.92 \$113,558.45 \$85,391.64 \$102,518.05 \$141,948.07 \$25,235.21	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$1,457,84 \$17,34 \$6,30 \$7,88 \$9,48 \$643,49 \$228,66 \$113,55 \$81,55 \$102,51
202 203 204 205 206 209 210 211 212 213 214 217 218 219	\$17,349.21 \$6,308.80 \$7,886.00 \$9,463.20 \$189,264.00 \$9,463.20 \$643,497.90 \$258,660.92 \$113,558.45 \$83,991.84 \$102,518.05 \$141,948.07 \$252,5235.21	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$17,34 \$6,30 \$7,88 \$9,46 \$189,26 \$9,46 \$643,49 \$2258,66 \$113,55 \$83,59 \$102,51
202 203 204 205 206 209 210 211 212 213 214 217 218 219	\$6,308.80 \$7,886.00 \$9,463.20 \$189,264.09 \$9,463.20 \$643,497.90 \$258,660.92 \$113,558.45 \$63,991.64 \$102,518.05 \$141,948.07 \$255,525.21	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$6,30 \$7,88 \$9,46 \$189,26 \$9,46 \$643,49 \$258,66 \$113,55 \$83,59 \$102,51
202 203 204 205 206 209 210 211 212 213 214 217 218 219	\$6,308.80 \$7,886.00 \$9,463.20 \$189,264.09 \$9,463.20 \$643,497.90 \$258,660.92 \$113,558.45 \$63,991.64 \$102,518.05 \$141,948.07 \$255,525.21	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$6,30 \$7,68 \$9,46 \$189,26 \$9,46 \$643,49 \$258,66 \$113,55 \$83,59 \$102,51
203 204 205 206 209 210 211 212 213 214 217 218 219	\$7,886.00 \$9,463.20 \$189,264.09 \$9,463.20 \$643,497.90 \$258,660.92 \$113,558.45 \$83,591.64 \$102,518.05 \$141,948.07 \$25,235.21	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$6,30 \$7,88 \$9,46 \$189,26 \$9,46 \$643,49 \$258,66 \$113,55 \$83,59 \$102,51
203 204 205 206 209 210 211 212 213 214 217 218 219	\$7,886.00 \$9,463.20 \$189,264.09 \$9,463.20 \$643,497.90 \$258,660.92 \$113,558.45 \$83,591.64 \$102,518.05 \$141,948.07 \$25,235.21	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$7,68 \$9,46 \$189,26 \$9,46 \$543,49 \$256,66 \$113,55 \$83,59 \$102,51
204 205 206 209 210 211 212 213 214 217 218 219	\$9,463,20 \$189,264,09 \$9,463,20 \$643,497,90 \$258,660,92 \$113,558,45 \$83,591,84 \$102,518,05 \$141,948,07 \$25,235,21	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$9,46 \$189,26 \$9,46 \$643,49 \$258,66 \$113,55 \$83,59 \$102,51
205 206 209 210 211 212 213 214 217 218 219	\$189,264,09 \$9,463,20 \$643,497,90 \$258,660,92 \$113,658,45 \$83,591,64 \$102,518,05 \$141,948,07 \$25,235,21	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$189,26 \$9,48 \$643,49 \$258,66 \$113,55 \$83,59 \$102,51
206 209 210 211 212 213 214 217 218 219	\$9.463.20 \$643.497.90 \$258.656.92 \$113.558.45 \$83.591.64 \$102.518.05 \$141.948.07 \$25.235.21	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$9,48 \$643,49 \$258,66 \$113,55 \$83,59 \$102,51
209 210 211 212 213 214 217 218 219	\$643,497.90 \$286,660.92 \$113,558.45 \$63,591.64 \$102,518.05 \$141,948.07 \$25,235.21	\$9.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$643,49 \$258,66 \$113,55 \$83,59 \$102,51
210 211 212 213 214 217 218 219	\$258,660.92 \$113,558.45 \$83,591.64 \$102,518.05 \$141,948.07 \$25,235.21	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$258,66 \$113,55 \$83,59 \$102,51
211 212 213 214 217 218 219	\$113,558.45 \$83,591.64 \$102,518.05 \$141,948.07 \$25,235.21	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$113,55 \$83,59 \$102,51
212 213 214 217 218 219	\$83,591.64 \$102,518.05 \$141,948.07 \$25,235.21	\$0.00 \$0.00 \$0.00 \$0.00	\$83,59 \$102,51
213 214 217 218 219	\$102,518.05 \$141,948.07 \$25,235.21	\$0.00 \$0.00 \$0.00	\$102,51
214 217 218 219	\$141,948.07 \$25,235.21	\$0.00 \$0.00	
217 218 219	\$25,235.21	\$0.00	
218 219			\$25,23
219		\$0.00	\$41,00
	\$209,767.70	\$0.00	\$209,76
221	\$63,088.03	\$0.00	\$63,08
222	\$50,470.42	\$0.00	\$50,47
225		\$0.00	
226	\$11,040.41 \$56,779.23		\$11,04
		\$0.00	\$56,77
			\$100,94
	531,544,01		\$31,54
	\$33,121.22		\$33,12
			\$6,30
			\$181,37
			\$141,94
			\$205,03
			\$4,73
243		\$0.00	\$55,20
244		\$0.00	\$283,89
305	\$19,241.85	\$0.00	\$19,24
311	\$7,886.00	\$0.00	\$7,88
312	\$1,595,127.14	\$0.00	\$1,596,12
313	\$7,097.40	\$0.00	\$7,09
	\$39,430.02	\$0.00	\$39,43
325	\$63,088.03	\$0.00	\$63,08
326		\$0.00	\$47,31
			\$149,83
			\$15,77
			\$686,08
			\$5,944,46
			\$67,81
			\$373,79
			\$63,08
			\$7,88
			\$94,63
			\$394,30
	\$7.886.00		
	\$200,704.40		\$7,88 \$200,30
	\$134,002.00		\$134,06
	\$120,176,00		\$126,17
			\$141,94
			\$8,67
			\$12,14
			\$10,40
385		\$0.00	\$8,67
	\$13,313,151.36	\$0.00	\$13,313,15
	£14 771 000 00	*n.on	\$14,771,00
will be bit	The state of the s	\$0.00	\$14,771,00
	3015 3111 312 313 314 325 326 327 328 331 332 333 335 337 338 339 343 344 347 353 365 362 376 381 381 383 385 381 385 385 386 387 388 388 388 388 388 388 388	228 \$31,544,01 229 \$33,121,22 231 \$8,308.60 235 \$181,378.08 236 \$141,948.07 237 \$205,036.09 238 \$4,731.60 243 \$55,202.03 244 \$253,896.13 305 \$19,241.85 311 \$7,896.00 312 \$1,596,127.14 313 \$7,097.40 314 \$39,430.02 326 \$47,316.02 326 \$47,316.02 327 \$149,834.07 328 \$15,772.01 331 \$586,082.32 332 \$5,944,469.55 333 \$57,866.00 339 \$94,832.04 343 \$304,300.16 344 \$7,866.00 347 \$200,304.49 349 \$360,304.49 349 \$360,304.49 349 \$360,304.49 349 \$360,304.49 349 \$360,304.49 349 \$360,304.49 349 \$360,304.49 349 \$360,304.49 356 \$126,176.06 366 \$126,176.06 361 \$12,144.45 381 \$12,144.45 385 \$86,674.60 \$13,313,151.36	228 \$31,544.01 \$0.00 229 \$33,121.22 \$0.00 231 \$6,308.60 \$0.00 235 \$111,378.08 \$0.00 235 \$111,378.08 \$0.00 236 \$141,946.07 \$0.00 237 \$205,036.09 \$0.00 237 \$205,036.09 \$0.00 243 \$55,202.03 \$0.00 244 \$55,202.03 \$0.00 244 \$55,202.03 \$0.00 305 \$19,241.85 \$0.00 311 \$7,886.00 \$0.00 312 \$15,961,2714 \$0.00 312 \$15,961,2714 \$0.00 313 \$7,886.00 \$0.00 326 \$63,088.03 \$0.00 327 \$140,808.03 \$0.00 327 \$140,808.03 \$0.00 328 \$15,772.01 \$0.00 329 \$15,944,469.55 \$0.00 331 \$35,944,469.55 \$0.00 332 \$5,944,469.55 \$0.00 333 \$57,886.00 \$0.00 334 \$39,300.00 \$0.00 335 \$373,786.57 \$0.00 336 \$40,000 \$0.00 337 \$63,088.03 \$0.00 338 \$7,886.00 \$0.00 339 \$94,632.04 \$0.00 339 \$94,632.04 \$0.00 344 \$7,886.00 \$0.00 356 \$134,062.06 \$0.00 367 \$63,088.03 \$0.00 376 \$63,088.03 \$0.00 377 \$63,088.03 \$0.00 389 \$94,632.04 \$0.00 399 \$94,632.04 \$0.00 399 \$94,632.04 \$0.00 309 \$114,446.05 \$0.00 300 \$12,144.45 \$0.00 301 \$12,144.45 \$0.00 302 \$11,313,151.38 \$0.00 303 \$13,31,151.38 \$0.00 304 \$13,313,151.38 \$0.00 305 \$13,313,151.38 \$0.00 305 \$13,313,151.38 \$0.00 305 \$13,313,151.38 \$0.00 306 \$14,771,000.00

Note: The above costs are estimates only. Actual costs will be allied as incurred.		
COG Operating LLC		
By	Date Prepared:	
	COG Operating LLC	
We approve: ** Working Interest	Ву:	
Company:		
Зу:		
Printed Name:		
Title:	This AFE is only an estimate. By signing you agree to p	
Date:	your share of the actual costs incurred	

Well Name Potato Baby St Com 704H SHL SEC 22: UNIT C BHL SEC 34: LOT 2 Formation WOLFCAMP A Legal 22, 27, 34, T26S-R28E

AFE Numbers

Prospect ATLAS 2628 (717052) & County NEW MEXICO, EDDY
Objective Drill & Complete
Depth

TVD

9,500

Cost Description
Tangible Costs
D-Surface Cosing
D-Intermed Csg
D-Production Casing/Liner Cost Total Code Revision \$25,822.22 \$70,088.88 \$301,259.21 \$30,740.74 \$47,340,73 \$16,231.11 \$117,921.45 \$47,340,73 \$92,222.21 \$12,296.29 \$129,111.09 \$92,222.21 \$51,111.09 \$92,222.21 \$51,111.09 \$25,822.22 \$70,088.88 \$301,259.21 \$30,740.74 \$47,340.73 \$16,231.11 \$117,921.46 \$47,340.73 401 402 403 405 D-Wellhead Equip \$0.00 C-Tubing
C-Wellhead Equip
PEQ-Pumping Unit 504 505 506 \$0,00 \$0.00 508 PEQ-Rods \$47,340,73 \$92,222,21 \$12,296,29 \$129,111,09 \$92,222,21 \$6,148,15 \$282,814,77 \$30,740,74 \$30,740,74 TB-Tanks
TB-Flowlines/Pipelines
TB-Htr Trtr/Seprtr 510 511 512 TB-Electrical System/Equipment 513 \$92,222,21 \$6,148.15 \$282,814.77 \$30,740.74 \$30,740.74 \$36,888.88 \$55,333.32 \$12,296.29 \$5,410.37 \$4,057,78 C-Pckrs/Anchors/Hgrs
TB-Couplings/Fittings/Valves
TB-Gas Lift/Compression 514 515 516 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 TB-Pumps-Surface 521 \$30,740.74 \$36,888.88 \$55,333.32 \$12,296.29 \$5,410.37 \$4,057.76 TR-Meters/Lacts 525 TB-Flares/Combusters/Emission
C-Gas Lift/Compression
PEQ-Instrumentation/SCADA/POC 526 527 529 PEQ-Wellhead Equipment 531 PEQ-Pumps \$10.820.74 **Total Tangible Costs** \$1,457,848.64 \$0.00 \$1,457,848.64 Intangible Costs PS-Title/Permits \$17,349.21 \$6,308.80 \$7,886.00 \$9,463.20 \$189.264.09 \$9,463.20 \$643.497.90 \$258.660.92 \$113.558.45 \$83.591.64 \$102.518.05 \$6,308.80 \$7,886.00 \$9,463.20 \$189,264.09 \$9,463.20 D-Insurance 202 PS-Damages/ROW
PS-Survey/Stake Lctn
D-Lctn/Pits/Roads 203 204 D-Drilling Overhead 206 D-Daywork Contract
D-Directional Drlg Services
D-Fuel & Power
D-Water \$643,497.90 \$258,660.92 \$113,558.45 \$83,591.64 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 209 210 211 212 \$83,591,64 \$102,518.05 \$141,948.07 \$25,235.21 \$41,007.22 \$209,787,70 \$63,088.03 \$50,470.42 \$11,040.41 \$10,040.41 \$56,779.23 \$100,940.85 \$31,544.01 \$33,121.22 \$53,008.60 D-Bits 213 D-Mud & Chemicals 214 217 218 219 \$141,948.07 \$25,235.21 \$41,007.22 \$209,767.70 D-Cement Surface D-Cement Intermed D-Prod-2nd Int Cml \$209,767.70 \$63,088.03 \$50,470.42 \$11,040.41 \$56,779.23 \$100,940.85 D-Float Equipment & Centralizers
D-Csg Crews & Equip
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PEQ-Contract Supervision 362 376 PEQ-Completion Unit 381 \$10,409.52 \$8,574.60 PEQ-Rentals-Surface 383 PEQ-Trkg/Forklift/Rig Mobilization \$8,674.60 \$13,313,161.36 \$13,313,151.36 **Total Intangible Costs Total Gross Cost** \$14,771,000.00 \$0.00 \$14,771,000.00 Note: The above costs are estimates only. Actual costs will be billed as incurred COG Operating LLC

Date Prepared: By: COG Operating LLC We approve:
% Working Interest By Company: By: Printed Name Title: Date: This AFE is only an estimate. By signing you agree to pay

your share of the actual costs incurred

Well Name Potato Baby St Com 705H SHL SEC 22: UNIT D BHL SEC 34: LOT 1 Formation WOLFCAMP A

Prospect ATLAS 2628 (717052) State & County NEW MEXICO, EDDY Objective Drill & Complete

Depth TVD

This AFE is only an estimate. By signing you agree to pay

your share of the actual costs incurred

20,580 8,480

Legal 22, 27, 34, T26S-R28E imbers Cost Description Tangible Costs D-Surface Cesing Cost Revision Total \$25,822.22 \$70,088.88 D-Intermed Csq 402 403 \$301,259.21 \$30,740.74 \$47,340.73 \$16,231.11 \$0.00 \$0.00 \$301,259,21 \$30,740,74 \$47,340,73 \$16,231,11 \$117,921,46 \$47,340,73 \$92,222,21 \$12,296,29 \$129,111,09 \$92,222,21 \$6,146,15 \$282,814,740,74 \$30,740,74 \$30,740,74 \$30,740,74 \$35,888,88 \$55,33,32 \$12,296,29 \$5,410,37 \$4,057,78 D-Production Casing/Liner D-Wellhead Equip C-Tubing C-Wellhead Equip 405 504 505 PEQ-Pumping Unit PEQ-Rods TB-Tanks TB-Flowlines/Pipelines \$117,921.46 \$47,340.73 \$92,222.21 506 508 \$92,222.21 \$12,295.29 \$129,111.09 \$92,222.21 \$5,148.15 \$262,814.77 \$30,740.74 \$30,740.74 \$30,688.68 \$55,333.32 \$12,296.29 \$5,410.37 \$4,057.78 \$10,620.74 511 TB-Htr Trtr/Seortr 512 TB-Flectrical System/Equipment C-Pckrs/Anchors/Hgrs TB-Couplings/Fittings/Valves 513 514 515 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 516 TB-Gas Lift/Compression TB-Pumps-Surface
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D-Csg Crews & Equip
D-Contract Labor 222 225 \$11,040.41 \$56,779.23 \$100.940.85 \$31,544.01 \$33,121.22 \$6,308.80 D-Company Sprvsn D-Contract Sprvsn D-Tstg Csg/Tbg 226 227 228 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 D-Mud Logging Unit D-Perf/Wireline Svc 229 \$6,308.80 \$181,378.08 \$141,948.07 \$205,036.09 \$4,731.60 \$55,202.03 \$283,596.13 \$19,241.85 \$7,885.00 \$1,596,127.14 \$7,097.40 \$39,430.02 \$47,316.02 \$149,834.07 \$15,772.01 \$686,082.32 \$55,944.469.55 D-Rentals-Surface
D-Rentals-Subsrfc
D-Trucking/Forklift/Rig Mob 235 236 237 D-Welding Services
D-Contingency
D-Envrnmtl/Clsd Loop 238 243 244 305 311 C-Lctn/Pits/Roads C-Fuel Delivery & Services C-Water 312 C-Bits C-Mud & Chemicals 313 C-Contract Labor 325 C-Company Sprvsn C-Contract Sprvsn C-Tsig Csg/Tbg C-Perf/Wireline Svc 326 \$0.00 327 328 331 \$686,082,32 \$5,944,469,55 \$67,819,93 \$373,796,57 \$63,086,00 \$7,886,00 \$7,886,00 \$7,886,00 \$200,304,49 \$134,062,08 \$124,062,08 \$141,948,07 \$8,674,60 \$12,144,45 \$12,144,45 \$1,406,52 \$8,674,60 \$12,144,45 \$12,049,52 \$8,674,60 \$686,082.32 \$5,944.469.55 \$67.819.63 \$373,796.57 \$63,088.03 \$7,885.00 \$94,632.04 \$394,300.18 \$7,885.00 \$200,304.49 \$0.00 \$0.00 \$0.00 \$0.00 C-Stimulation/Treating 332 C-Completion Unit C-Rentals-Surface 333 335 C-Trucking/Forklift/Rig Mob 337 C-Welding Services
C-Water Disposal
C-Contingency
C-Envrnmtl/Clsd Loop 338 339 343 344 347 C-Flowback Crews & Equip \$200,304,49 \$134,062,06 \$126,176,06 \$141,948,07 \$8,674,60 \$12,144,45 \$10,409,52 \$8,674,60 TB-Location/Pits/Roads
TB-Contract Labor
TB-Water Disposal 353 356 362 \$0.00 PEQ-Contract Supervision 376 PEQ-Completion Unit PEQ-Rentals-Surface PEQ-Trkg/ForkillyRig I 38 385 **Total Intangible Costs** \$13,313,151.36 \$0.00 \$13,313,151,36 Total Gross Cost \$14,771,000.00 \$0.00 \$14,771,000.00 Note: The above costs are estimates only Actual costs will be billed as incurred COG Operating LLC Date Prepared: COG Operating LLC We approve: % Working Interest Company: By:

Printed Name

Well Name Polato Baby SI Com 706H
SHL SEC 22: UNIT D
BHL SEC 34: LOT 1
Formation WOLFCAMP A
Letal 22, 27, 34, T26S-R28E
AFE Numbers

Prospect ATLAS 2628 (717052)
State & County NEW MEXICO, EDDY
Objective Drill & Complete
Depth
TVD

20,560 8,460

Cost Description Tangible Costs	Code	Cost	Revision	Tot
D-Surface Casing	401	\$25,822.22	\$0.00	\$25,822.2
D-Intermed Csg	402	\$70,088.88	\$0.00	\$70,088.8
-Production Casing/Liner	403	\$301,259.21	\$0.00	\$301,259.2
-Wellhead Equip	405	\$30,740.74	\$0.00	\$30,740.7
-Tubing	504	\$47,340.73	\$0.00	\$47,340.7
-Wellhead Equip	505	\$16,231.11	\$0.00	\$16,231.1
PEQ-Pumping Unit	506	\$117,921.46	\$0.00	\$117,921.4
PEQ-Rods	508	\$47,340.73	\$0.00	\$47,340.7
B-Tanks	510	\$92,222.21	\$0.00	\$92,222.2
B-Flowlines/Pipelines	511	\$12,296.29	\$0.00	\$12,296.2
B-Hltr Trttr/Seprtr	512	\$129,111.09	\$0.00	\$129,111.0
B-Electrical System/Equipment	513	592,222.21	50.00	592 222 2
C-Pckrs/Anchors/Hgrs	514	\$8,148.15	\$0.00	\$6,148.
B-Couplings/Fittings/Valves	515	\$282,814.77	\$0.00	5282,814.7
B-Gas Lift/Compression	516	530,740.74	\$0.00	\$30,740.7
B-Pumps-Surface	521	\$30,740.74	\$0.00	\$30,740.
B-Meters/Lacts	525	\$36,888.88	\$0.00	\$36,888.
B-Flares/Combusters/Emission	526	\$55,333.32	\$0.00	\$55,333.
C-Gas Lift/Compression	527	\$12,296.29	\$0.00	\$12,296.3
PEQ-Instrumentation/SCADA/POC	529	\$5,410.37	\$0.00	\$5,410.3
PEQ-Wellhead Equipment	531	\$4,057.78	\$0.00	\$4,057.3
PEQ-Pumps	532	\$10,820.74	\$0.00	\$10,820.7
otal Tangible Costs		\$1,457,848.64	\$0.00	\$1,457,848.0
ntangible Costs				
PS-Title/Permits	201	\$17,349,21	\$0.00	\$17,349.2
O-Insurance	202	\$6,308.80	\$0.00	\$6,308.8
PS-Damages/ROW	203	\$7,886.00	\$0.00	\$7,886.0
S-Survey/Stake Lctn	204	\$9,463.20	\$0.00	\$9,463.2
)-Lctn/Pits/Roads	205	\$189,264.09	\$0.00	\$189,264.0
0-Drilling Overhead	206	\$9,463.20	\$0.00	\$9,463.
)-Daywork Contract	209	\$643,497.90	\$0.00	5643,497.5
)-Directional Drlg Services	210	\$258,660.92	\$0.00	\$258,660.9
)-Fuel & Power	211	\$113,558.45	\$0.00	\$113,558.4
)-Waler	212	\$83,591,64	\$0.00	\$83,591.6
)-Bits	213	\$102,518.05	\$0.00	\$102,518.0
0-Mud & Chemicals	214	\$141,948.07	\$0.00	\$141,945.0
)-Cement Surface	217	\$25,235.21	\$0.00	\$25,235.2
)-Cement Intermed	218	\$41,007.22	\$0.00	\$41,007.3
-Prod-2nd Int Cmt	219	\$209,767.70	\$0.00	\$209,767.7
-Float Equipment & Centralizers	221	\$63,088.03	\$0.00	\$63,088.0
-Csg Crews & Equip	222	\$50,470.42	\$0.00	\$50,470.4
Contract Labor	225	\$11,040.41	\$0.00	\$11,040.4
O-Company Sprvsn	226	\$56,779,23	\$0.00	\$56,779.2
O-Contract Sprvsn	227	5100,940.85	\$0.00	\$100,940.8
O-Tstg Csg/Tbg	228	\$31,544.01	\$0.00	\$31,544.0
O-Mud Logging Unit	229	\$33,121.22	\$0.00	\$33,121.2
D-Perf/Wireline Svc	231	\$6,308.80	\$0.00	\$6,308.8
O-Rentals-Surface	235	\$181,378.08	\$0.00	\$181,378.0
O-Rentals-Subsrfc	236	\$141,948.07	\$0.00	\$141,948.0
O-Trucking/Forklift/Rig Mob	237	\$205,036.09	\$0.00	\$205,036.0
0-Welding Services	238	\$4,731.60	\$0.00	\$4,731.6
O-Contingency	243	\$55,202.03	\$0.00	\$55,202.0
D-EnvrnmWClsd Loop	244	\$283,896.13	\$0.00	\$283,896.1
-Letn/Pits/Roads	305	\$19,241.85	\$0.00	\$19,241.1
	311	\$7,886.00	\$0.00	\$7,886.
Fuel Delivery & Services				
:-Water :-Bits	312	\$1,596,127.14	\$0.00	\$1,596,127.1
:-Bits :-Mud & Chemicals	314		\$0.00	
		\$39,430.02	\$0.00	\$39,430.6 \$63,068.0
-Contract Labor	325	\$63,088,03	\$0.00	\$47,316.0
-Company Sprvsn	326	\$47,316.02	\$0.00	
-Contract Sprvsn	327	\$149,834.07 \$15,772.01	\$0.00	\$149,834. \$15,772.
-Tslg Csg/Tbg	328		\$0.00	
-Perf/Wireline Svc	331	\$686,082.32		\$686,082.
-Stimulation/Treating	332	\$5,944,469.55	\$0.00	\$5,944,469,5
-Completion Unit	333	\$67,819.63	\$0.00	\$67,819.6
-Rentals-Surface	335	\$373,796.57	\$0.00	\$373,796.5
-Trucking/Forklift/Rig Mob	337	\$63,088.03	\$0.00	\$63,088.0
-Welding Services	338	\$7,886,00	\$0.00	\$7,886.0
-Water Disposal	339	\$94,632.04	\$0.00	\$94,632.0
-Contingency	343	\$394,300.18	\$0.00	\$394,300.
-Envmmtl/Clsd Loop	344	\$7,886,00	\$0.00	\$7,886.0
-Flowback Crews & Equip	347	\$200,304.49	\$0.00	\$200,304.4
B-Location/Pits/Roads	353	\$134,062.06	\$0.00	\$134,062.
B-Contract Labor	356	\$126,176.06	50.00	\$126,176
B-Water Disposal	362	\$141,948.07	\$0.00	\$141,948.0
EQ-Contract Supervision	376	\$8,674.60	\$0.00	\$8,674.6
EQ-Completion Unit	381	\$12,144.45	50.00	\$12,144.4
EQ-Rentals-Surface	383	\$10,409.52	\$0.00	\$10,409.5
EQ-Trkg/Forklift/Rig Mobilization	385	\$8,574.60	\$0.00	\$8,674.6
otal Intangible Costs		\$13,313,151.36	\$0.00	\$13,313,151.3
otal Gross Cost		\$14,771,000.00	\$0.00	\$14,771,000.0
lote: The above costs are estimates only. Ac	tual costs will be bille			
COG Operating LLC				
By:		Dal	e Prepared:	
		co	G Operating LLC	

COG Operating LLC We approve: % Working interest Company: Printed Name: Title: Date: This AFE is only an estimate. By signing you agree to pay your share of the actual costs incurred.

STATE OF NEW MEXICO DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES

OIL CONSERVATION DIVISION

APPLICATION OF COG OPERATING LLC FOR COMPULSORY POOLING,

EDDY COUNTY, NEW MEXICO.

CASE NOS. 20934 & 20935

AFFIDAVIT OF TRAVIS SPARKS IN SUPPORT OF CASE NOS. 20934 & 20935

Travis Sparks, of lawful age and being first duly sworn, declares as follows:

1. My name is Travis Sparks. I work for COG Operating LLC ("COG") as a

Geologist.

I have previously testified before the New Mexico Oil Conservation Division as an 2.

expert witness in petroleum geology. My credentials as a petroleum geologist have been accepted

by the Division and made a matter of record.

3. I am familiar with the applications filed by COG in these consolidated cases, and

I have conducted a geologic study of the lands in the subject areas.

COG Exhibit B-1 is a project locator map that includes Sections 22, 27 and 24 that 4.

comprise the proposed spacing units in Case Nos. 20934 and 20935. The proposed wells in both

cases are depicted by dashed pink lines. Existing producing wells in the Wolfcamp formation are

also noted on the map as indicated on the legend.

5. In Case Nos. 20934 and 20935, COG is targeting the Wolfcamp A, within the

Wolfcamp formation, with the proposed Potato Baby State Com #701H well, Potato Baby State

Com #702H well, Potato Baby State Com #703H well, Potato Baby State Com #704H well,

Potato Baby State Com #705H well, and Potato Baby State Com #706H well.

BEFORE THE OIL CONSERVATION DIVISION

- 6. **COG Exhibit No. B-2** is a subsea structure map that I prepared on the top of the Wolfcamp A that is representative of the targeted interval within the Wolfcamp formation. The structure map shows that the formation is gently dipping to the east in this area. I do not observe any faulting, pinchouts, or other geologic impediments to developing the targeted interval with a horizontal well in this area.
- 7. **COG Exhibit No. B-3** overlays a cross-section line in red consisting of three wells penetrating the Wolfcamp formation that I used to construct a stratigraphic cross-section from A to A'. I consider these wells to be representative of the geology in the area.
- 8. **COG Exhibit No. B-4** is a cross section using the representative wells depicted on Exhibit B-3. Each well in the cross-section contains gamma ray, resistivity, and porosity logs. The proposed targeted interval in the Wolfcamp is labeled on the exhibit. The cross-section demonstrates that the targeted interval extends across the proposed spacing units.
- 9. In my opinion, the stand-up orientation of the proposed wells is the preferred orientation for horizontal well development in this area and is appropriate to efficiently and effectively develop the subject acreage.
- 10. Based on my geologic study, the Wolfcamp formation underlying the subject area is suitable for development by horizontal wells and the acreage comprising the proposed spacing unit will contribute more-or-less equally to the production from the wellbores.
- 11. In my opinion, the granting of COG's applications in **Case Nos. 20934** and **20935** will be in the best interest of conservation, the prevention of waste, and protection of correlative rights.
- 12. **COG Exhibit Nos. B-1** through **B-4** were either prepared by me or compiled under my direction and supervision.

FURTHER AFFIANT SAYETH NOT.

TRAVIS SPARKS

STATE OF TEXAS

COUNTY OF Midland

SUBSCRIBED and SWORN to before me this 10 day of December 2019 by Travis Sparks.

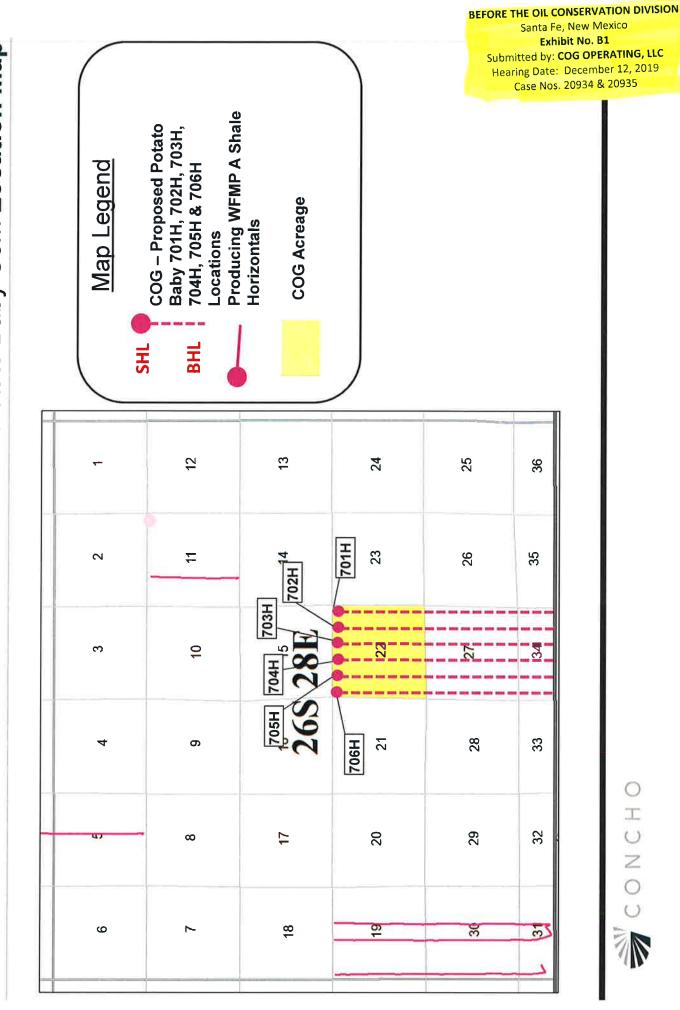
NOTARY PUBLIC

My Commission Expires:

1-29-2021

Jaria Asebedo
Notary Public, State of Tenas
Notary ID 1075101-9
My Commission Exp. 01-28-2021

Potato Baby Com Location Map Purple Sage Wolfcamp Pool



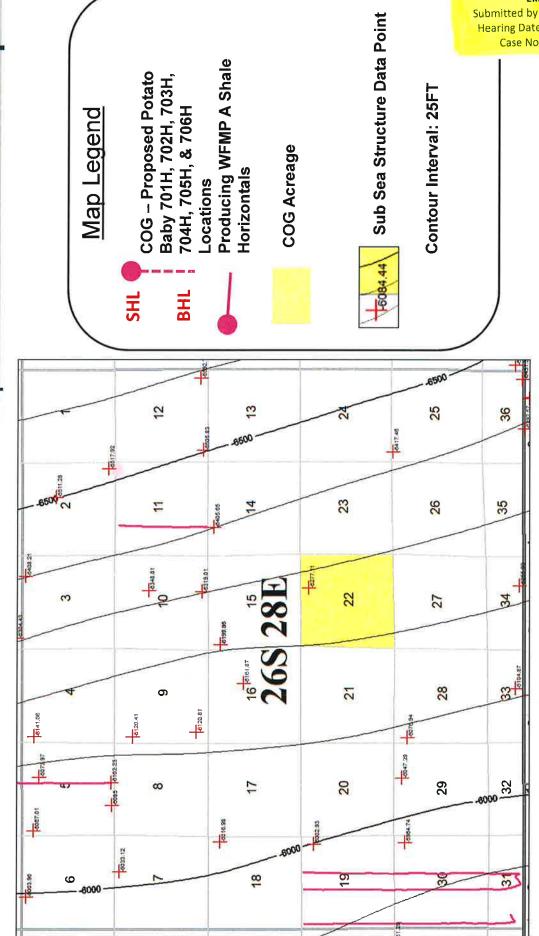


BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico
Exhibit No. B2

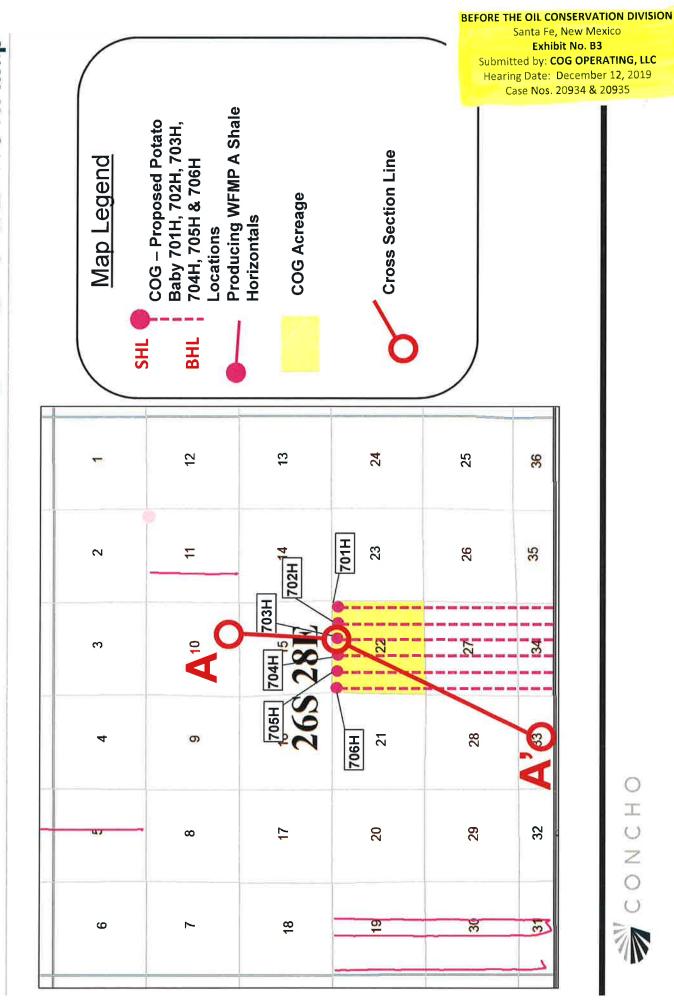
Submitted by: COG OPERATING, LLC Hearing Date: December 12, 2019 Case Nos. 20934 & 20935

Purple Sage Wolfcamp Pool Wolfcamp Subsea Structure Map





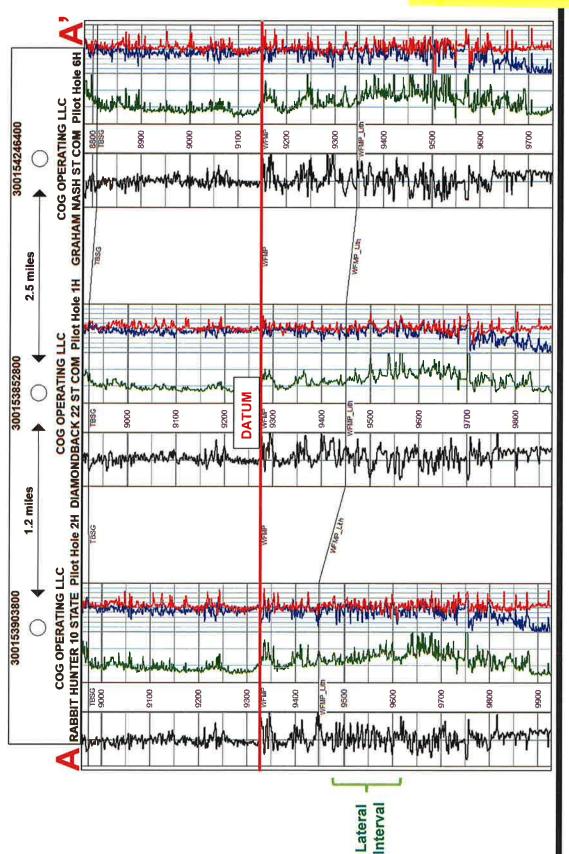
Cross-Section Location Map Purple Sage Wolfcamp Pool





Stratigraphic Cross Section A - A'

BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. B4 Submitted by: COG OPERATING, LLC Hearing Date: December 12, 2019 Case Nos. 20934 & 20935





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

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

CASE NOS. 20934 & 20935

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 Applications have been provided under the notice letters and proof of receipts attached hereto.

Kaitlyn A. Luck

SUBSCRIBED AND SWORN to before me this 11th day of December, 2019 by Kaitlyn A. Luck.

My Commission Expires:

November 12,2023





Kaitlyn A. Luck Associate kaluck@hollandhart.com

November 22, 2019

VIA CERTIFIED MAIL CERTIFIED RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re:

Application of COG Operating, LLC for Compulsory Pooling, Eddy County,

New Mexico.

Potato Baby State Com #701H, #702H, #703H wells

Ladies & Gentlemen:

This letter is to advise you that COG Operating LLC has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on December 12, 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 Travis Macha, at (432) 683-7443 or TMacha@concho.com.

Sincerely

Kaitlyn A. Luck

ATTORNEY FOR COG OPERATING LLC

13729046_v1



Kaitlyn A. Luck
Associate
kaluck@hollandhart.com

November 22, 2019

VIA CERTIFIED MAIL CERTIFIED RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re:

Application of COG Operating, LLC for Compulsory Pooling, Eddy County,

New Mexico.

Potato Baby State Com #704H, #705H, #706H wells

Ladies & Gentlemen:

This letter is to advise you that COG Operating LLC has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on December 12, 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.

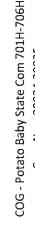
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If you have any questions about this matter, please contact Travis Macha, at (432) 683-7443 or TMacha@concho.com.

Sincerely

Kaitlyn A. Luck

ATTORNEY FOR COG OPERATING LLC



Status

9214890194038399656255 Tap Rock Operating LLC ATTN: Land Manager 602 Park Point Drive Suite 200 Golden CO 80401 9214890194038399656132 Franco-Nevada Texas LP 1745 Shea Center Dr Suite 400 Highlands Ranch CO 80129 9214890194038399656200 OXY U S A Inc ATTN: Courtney Carr 5 Greenway Plaza Suite 110 Houston TX 77046 92148901940383399656088 Allar Development LLC EG3 Development LLC PO BOX 1567 Graham TX 76450 9214890194038399656187 Madison M Hinkle & Susan M Hinkle PO BOX 2292 Roswell NM 88202-2292 92148901940383399656194 Marguerite Fort Bruns SSP 12711 Colorado Blvd E #505 Thornton CO 80241 9214890194038399656101 Chevron U S A Inc ATTN: Kristen Hunter 6301 Deauville Midland TX 79706 3214890194038399656170 Kemp Smith LLP ATTN: Ken Slavin 221 N Kansas Ste 1700 El Paso TX 79901 Case Nos. 20934 20935 9214890194038399656118 David Kerby 16704 County Road 1440 Wolfforth TX 79382 9214890194038399656125 Douglas C Koch PO BOX 540244 Houston TX 77254-0244 9214890194038399656231 Rolla R Hinkle III PO BOX 2292 Roswell NM 88202-2292 9214890194038399656262 Wayne A Bissett PO BOX 2101 Midland TX 79702-0000 3214890194038399656224 Robert Mitchell Raindl PO BOX 853 Tahoka TX 79373 9214890194038399656279 Wayne A Bissett PO BOX 1470 Marfa TX 79843-1470 9214890194038399656163 John M Fowlkes PO BOX 1470 Marfa TX 79843-1470 9214890194038399656095 Camie Wade 10706 Orlando Ave Lubbock TX 79423 9214890194038399656149 George Poage III PO BOX 369 Marble Falls TX 78654 9214890194038399656248 Suzanne B Koch PO BOX 270475 Houston TX 77277 92148901940383399656156 George Thompson 4619 94th ST Lubbock TX 79424 9214890194038399656217 Oxy Usa Inc PO BOX 841803 Dallas TX 75284 Recipient **Fracking Number**

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COG - Potato Baby 701H-706H Case Nos. 20934 & 20935 CM# 51500.0010

Shipment Date: 11/19/2019

Shipped From:

Name: HOLLAND & HART LLP

110 N GUADALUPE ST # 1

City: SANTA FE

State: NM ZIP+4® 87501

Type of Mail	Volume
Priority Mail Express®*	
Priority Mail®	0
First-Class Package Service®	
Returns	
International*	
Other	20
Total	20

^{*}Start time for products with service guarantees will begin when mail arrives at the local Post Office™ and items receive individual processing and acceptance scans.

B. USPS Action

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 Select Pay and End Visit to complete transaction

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PS Form **3877**, April 2015 PSN 7530-02-000-9098



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COG - Potato Baby 704II-706II Case No. 20935 CM# 51500.0010

Shipment Date:	11/19/2019
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Address:	110 N GUADALUPE ST # 1
City:	SANTA FE
State:	NM ZIP+4® 87501

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^{*}Start time for products with service guarantees will begin when mail arrives at the local Post Office™ and items receive individual processing and acceptance scans.

B. USPS Action

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Carlsbad Current Argus.

Affidavit of Publication Ad # 0003918220 This is not an invoice

DAVID WASHINGTON110 NORTH GUADALUPE, SUITE 1 P

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:

November 27, 2019

Legal Clerk

Subscribed and sworn before me this November 27,

0

State of WI, County of Brown NOTARY PUBLIC

1 10 0~

My commission expires

Ad # 0003918220 PO #: 703H # of Affidavits : 1

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BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico
Exhibit No. C1

Submitted by: COG OPERATING, LLC

Hearing Date: December 12, 2019 Case Nos. 20934 & 20935

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES

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 December 12, 2019, in Porter Hall, the Oil Conservation Division Hearing Room, 1st Floor, Wendell Chino Building, 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 December 2, 2019. Public documents, including the agenda and minutes, can be provided in various accessible 2019. Public documents, including the agenda and minutes, can be provided in various accessible formats. Members of the public may obtain copies of the docket by contacting Ms. Davidson at the phone number indicated above. Also, the docket will be posted on the Oil Conservation Division website at www.emnrd. state.nm.us/OCD/. Please contact Ms. 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: Allar Development LLC; EG3 Development LLC; EG3 Development LLC; Camie Wade, her heirs and devisees; Chevron U.S.A. Inc.; David Kerby, his heirs and devisees; Fanco-Nevada Texas LP; George Poage, Ill, his heirs and devisees; Franco-Nevada Texas LP; George Poage, Ill, his heirs and devisees; John M. Fowlkes, his heirs and devisees; John M. Fowlkes, his heirs and devisees; Kemp Smith, LLP; Madison M. Hinkle & Susan M. Hinkle, their heirs and devisees; Marguerite Fort Bruns SSP, her To: All overriding royalty inter-Marguerite Fort Bruns SSP, her heirs and devisees; OXY U.S.A., Inc.; Robert Mitchell Raindl, his heirs and devisees; Rolla R. Hinheirs and devisees; Rolla R. Hin-kle, Ill, his heirs and devisees; Suzanne B. Koch, her heirs and devisees; Tap Rock Operating, LLC; and Wayne A. Bissett, his heirs and devisees. CASE 20934: 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 Wolfcamp formation underlying a standard 767.72-acre, more or less, horizontal spacing unit comprised of the E/2 of Sections 22 and 27, and the N/2 NE/4 and Lots 3-4 (E/2 equivalent) of irregular Section 34, Township 26 South, Range 28 East, Eddy County, New Mexico. Applicant seeks to dedicate the above-referenced horizontal spacing unit to the to the following proposed wells:

• the Potato Baby State Com #701H well and the Potato Baby State Com #702H well, both of which will be drilled from a common surface hole location in NE/4 NE/4 (Lot 4) of Section 22 to bottom hole locations in the SE/4 NE/4 (Lot 4) of Section 34; and

• the Potato Baby State Com #703H well, to be drilled from a styled cause seeks an order pool-SE/4 NE/4 (Lot 4) of Section 34; and
• the Potato Baby State Com
#703H well, to be drilled from a surface hole location in NW/4 NE/4 (Unit B) of Section 22 to a bottom hole location in the SW/4 NE/4 (Lot 3) of Section 34.
Also, to be considered will be the cost of drilling and completing the wells, the allocation of the cost thereof, the actual operating costs and charges for supervision, the designation of applicant as operator, and the imposition of 200% charge for risk involved in drilling and completing each well. Said area is located approximately 13 miles south of Malaga, New Mexico.
Current-Argus, Legal ad #3918220, Nov. 27, 2019

Carlsbad Current Argus.

Affidavit of Publication Ad # 0003918234 This is not an invoice

DAVID WASHINGTON110 NORTH GUADALUPE, SUITE 1 P

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:

November 27, 2019

Legal Clerk

Subscribed and sworn before me this November 27, 2019:

State of WI, County of Brown NOTARY PUBLIC

My commission expires

Ad # 0003918234 PO #: 706H # of Affidavits : 1

This is not an invoice

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 Dithrough 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 December 12, 2019, in Porter Hall, the Oil Conservation Division Hearing Room, 1st Floor, Wendell Chino Building, 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 December 2, 2019. Public documents, including the agenda and minutes, can be provided in various accessible formats. Members of the public may obtain copies of the docket by contacting Ms. Davidson at the phone number indicated above. Also, the docket will be posted on the Oil Conservation Division website at www.emmrd. state.nm.us/OCD/. Please contact Ms. 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 vision hereby gives notice pur-suant to law and the Rules and

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: Allar Development LLC; EG3 Development LLC; Ca-LLC; EG3 Development LLC; Camie Wade, her heirs and devisees; Chevron U.S.A. Inc.; David Kerby, his heirs and devisees; Douglas C. Koch, his heirs and devisees; Franco-Nevada Texas LP; George Poage, III, his heirs and devisees; George Thompson, his heirs and devisees; John M. Fowlkes, his heirs and devisees; Kemp Smith, LLP; Madison M. Hinkle & Susan M. Hinkle, their heirs and devisees; Marguerite Fort Bruns SSP, her heirs and devisees; COXY U.S.A., Inc.; Robert Mitchell Raindl, his heirs and devisees; Rolla R. Hinkle, III, his heirs and devisees; kle, III, his heirs and devisees; Suzanne B. Koch, her heirs and devisees; Tap Rock Operating, LLC; Wayne A. Bissett, his heirs and devisees; and Lee M. Kugle, his heirs and devisees. CASE 20935: 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 Wolfcamp formation underlying a standard 767.52-acre, more or less, horizontal spacing unit comprised of the W/2 of Sections 22 and 27, and the N/2 NW/4 and Lots 1-2 (W/2 equivalent) of irregular Section 34, Township 26 South, Range 28 East, Eddy County, New Mexico. Applicant seeks to dedicate the above-referenced horizontal spacing unit to the following proposed wells:

• the Potato Baby State Com #704H well, to be drilled from a common surface hole location in NE/4 NW/4 (Unit C) of Section 22 to bottom hole locations in the SE/4 NW/4 (Lot 2) of Section 34; and

and

and
• the Potato Baby State Com
#705H well and the Potato Baby
State Com #706H well, both of
which are to be drilled from a
common surface hole location in
NW/4 NW/4 (Unit D) of Section
22 to a bottom hole location in
the SW/4 NW/4 (Lot 1) of Section
34.

34.
Also, to be considered will be the cost of drilling and completing the wells, the allocation of the cost thereof, the actual operating costs and charges for supervision, the designation of applicant as operator, and the imposition of 200% charge for risk involved in drilling and completing each well. Said area is located approximately 13 miles south of Malaga, New Mexico.
Current-Argus,

Current-Argus, Legal ad #, Nov. 27, 2019

Exhibit "A"

Applicant:

COG Operating LLC

Operator:

COG Operating LLC (OGRID 229137)

Spacing Unit:

Horizontal Gas

Building Blocks:

Half Section Equivalent 767.72 acres (more or less)

Spacing Unit Size: Orientation of Unit: North/South

Spacing Unit Description:

E/2 of Sections 22 and 27, and the N/2 NE/4 and Lots 3-4 (E/2 equivalent) of irregular Section 34, Township 26 South, Range 28 East, NMPM, Eddy County, New Mexico

Pooling this Vertical Extent: Wolfcamp Formation

Depth Severance? (Yes/No): No

Pool:

Purple Sage; Wolfcamp Gas (Pool code 98220)

Pool Spacing Unit Size:

Half Sections

Governing Well Setbacks:

Special Rules for the Purple Sage Gas Pool Apply

Pool Rules:

Purple Sage and Horizontal Well Rules

Proximity Tracts:

No

Monthly charge for supervision: While drilling: \$8000 While producing: \$800 As the charge for risk, 200 percent of reasonable well costs.

Proposed Wells:

Potato Baby State Com Well No. 701H, API No. 30-015-Pending

SHL: 330 feet from the North line and 1291 feet from the East line. (Unit A) of Section 22, Township 26 South, Range 28 East, NMPM. BHL: 330 feet from the South line and 330 feet from the East line, (Unit P) of Section 34, Township 26 South, Range 28 East, NMPM.

Completion Target: Wolfcamp A at approx 9560 feet TVD.

Well Orientation:

North to South

Completion Location expected to be: standard

Potato Baby State Com Well No. 702H, API No. 30-015-Pending

SHL: 330 feet from the North line and 1321 feet from the East line, (Unit B) of Section 22, Township 26 South, Range 28 East, NMPM. BHL: 330 feet from the South line and 1254 feet from the East line, (Unit P) of Section 34, Township 26 South, Range 28 East, NMPM.

> BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. D Submitted by: COG OPERATING, LLC Hearing Date: December 12, 2019

Case Nos. 20934 & 20935

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Completion Target: Wolfcamp A at approx 9540 feet TVD.

Well Orientation: North to South

Completion Location expected to be: standard

Potato Baby State Com Well No. 703H, API No. 30-015-Pending

SHL: 330 feet from the North line and 1351 feet from the East line, (Unit B) of Section 22, Township 26 South, Range 28 East, NMPM. BHL: 330 feet from the South line and 2178 feet from the East line, (Unit O) of Section 34, Township 26 South, Range 28 East, NMPM.

Completion Target: Wolfcamp A at approx 9520 feet TVD.

Well Orientation: North to South

Completion Location expected to be: standard

Exhibit "A"

Applicant:

COG Operating LLC

Operator:

COG Operating LLC (OGRID 229137)

Spacing Unit:

Horizontal Gas

Building Blocks: Spacing Unit Size: Half Section Equivalent 767.52 acres (more or less)

Orientation of Unit:

North/South

Spacing Unit Description:

W/2 of Sections 22 and 27, and the N/2 NW/4 and Lots 1-2 (W/2 equivalent) of irregular

Section 34, Township 26 South, Range 28 East, Eddy County, New Mexico

Pooling this Vertical Extent: Wolfcamp Formation

Depth Severance? (Yes/No): No

Pool:

Purple Sage; Wolfcamp Gas (Pool code 98220)

Pool Spacing Unit Size:

Half Sections

Governing Well Setbacks:

Special Rules for the Purple Sage Gas Pool Apply

Pool Rules:

Purple Sage and Horizontal Well Rules

Proximity Tracts:

No

Monthly charge for supervision: While drilling: \$8000 While producing: \$800 As the charge for risk, 200 percent of reasonable well costs.

Proposed Wells:

Potato Baby State Com Well No. 704H, API No. 30-015-Pending

SHL: 330 feet from the North line and 1351 feet from the West line, (Unit C) of Section 22, Township 26 South, Range 28 East, NMPM. BHL: 330 feet from the South line and 2178 feet from the West line, (Unit N) of Section 34, Township 26 South, Range 28 East, NMPM.

Completion Target: Wolfcamp A at approx 9500 feet TVD.

Well Orientation:

North to South

Completion Location expected to be: standard

Potato Baby State Com Well No. 705H, API No. 30-015-Pending

SHL: 330 feet from the North line and 1321 feet from the West line, (Unit C) of Section 22, Township 26 South, Range 28 East, NMPM. BHL: 330 feet from the South line and 1254 feet from the West line, (Unit M) of Section 34, Township 26 South, Range 28 East, NMPM.

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Completion Target: Wolfcamp A at approx 8480 feet TVD.

Well Orientation: North to South

Completion Location expected to be: standard

Potato Baby State Com Well No. 706H, API No. 30-015-Pending

SHL: 330 feet from the North line and 1291 feet from the West line, (Unit D) of Section 22, Township 26 South, Range 28 East, NMPM. BHL: 330 feet from the South line and 330 feet from the West line, (Unit M) of Section 34, Township 26 South, Range 28 East, NMPM.

Completion Target: Wolfcamp A at approx 8460 feet TVD.

Well Orientation: North to South

Completion Location expected to be: standard