### **INDEX**

#### ASCENT ENERGY, LLC

#### CASE NOS. 20957 AND 20958

Exhibit 1: Landman's Affidavit

Exhibit 2: Geologist's Affidavit

Exhibit 3: Affidavit of Notice

Exhibit 4: Publication Notice

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

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

APPLICATION OF ASCENT ENERGY, LLC FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

Case No. 20957

APPLICATION OF ASCENT ENERGY, LLC FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

Case No. 20958

#### VERIFIED STATEMENT OF LEE ZINK

Lee Zink, being duly sworn upon his oath, deposes and states:

- 1. I am the Vice President of Land for Ascent Energy, LLC ("Ascent"), and have personal knowledge of the matters stated herein. I have been qualified by the Division as an expert petroleum landman.
- 2. Pursuant to Division Rules, the following information is submitted in support of the compulsory pooling application filed herein:
  - (a) The purpose of this application is to force pool working interest owners into the Bone Spring and Wolfcamp horizontal spacing units described below, and in wells to be drilled in the units.
  - (b) No opposition is expected because the interest owners being pooled have been contacted regarding the proposed well, but have failed or refused to voluntarily commit their interests to the wells. All interest owners are locatable
  - (c) The wells are in the proposed Big Bucks Development Area, a development area approved by the Bureau of Land Management for drilling in the potash area. A plat outlining the Development Area is attached as Attachment A.
  - (d) Ascent seeks orders pooling all mineral interests in the following well units:
    - (i) In Case No. 20957 Ascent seeks to pool the Bone Spring formation underlying the W/2W/2 of Section 12 and the NW/4NW/4 of Section 13, Township 21 South, Range 32 East, NMPM. The unit will be dedicated to the Big Moose Fed. Com.

**EXHIBIT** 

Well Nos. 505H, 506H, and 604H, with first take points in the NW/4NW/4 of Section 12 and last take points in the NW/4NW/4 of Section 13. The wellbore of the Big Moose Fed. Com. Well No. 505H will be located 1254 feet from the west line of Sections 12 and 13, and applicant requests approval thereof.

(ii) In Case No. 20958 Ascent seeks to pool the Wolfcamp formation underlying the W/2W/2 of Section 12 and the NW/4NW/4 of Section 13, Township 21 South, Range 32 East, NMPM. The unit will be dedicated to the Bib Moose Fed Com. Well No. 707H.

Forms C-102 for the wells are attached as Exhibit B.

- (e) There are no depth severances within either the Bone Spring formation or the Wolfcamp formation. Ownership in each formation is set forth on Attachment C.
- (f) Attachment D is a sample well proposal sent to the working interest owners in thee well units. Ascent has had other contacts with the interest owners. All interest owners are locatable.
- (g) Ascent has made a good faith effort to obtain the voluntary joinder of the working interest owners in the proposed well.
- (h) The interest owners being pooled also own interests in offsetting acreage, so they have been given notice of the proposed unorthodox location. The location is unorthodox to maximize development and recovery in the Bone Spring formation.
- (i) Ascent has the right to pool the overriding royalty owners in the well unit.
- (j) Attachment E contains the Authorizations for Expenditure for the proposed wells. The estimated costs of the wells set forth therein are fair and reasonable, and comparable to the costs of other wells of similar depth and length drilled in this area of Eddy County.
- (k) Ascent requests overhead and administrative rates of \$7500/month for a drilling well and \$750/month for a producing well. These rates are fair, and comparable to the rates charged by other operators for wells of this type in this portion of Lea County. They are also the rates set forth in the proposed Joint Operating Agreement for the well unit. Ascent requests that these rates be adjusted periodically as provided in the COPAS Accounting Procedure.
- (l) Ascent requests that the maximum cost plus 200% risk charge be assessed against non-consenting working interest owners.
- (m) Ascent requests that it be designated operator of the well.
- (n) The attachments to this affidavit were prepared by me, or compiled from Company business records.

(o) The granting of this application is in the interests of conservation and the prevention of waste.

	VE	RI	FIC	AT	ION
--	----	----	-----	----	-----

STATE OF COLORADO	)
	) ss.
CITY AND COUNTY OF DENVER	)

Lee Zink, being duly sworn upon his oath, deposes and states that: He is the Vice President of Land for Ascent Energy, LLC; he is authorized to make this verification on its behalf; he has read the foregoing statement, and knows the contents thereof, and the same is true and correct to the best of his knowledge, information, and belief.

Lee Zink

SUBSCRIBED AND SWORN TO before me this \_/©Lee Zink.

day of December, 2019 by

My Commission Expires: 12-18-2022

Notary Public

XAVIER I RIVERA NOTARY PUBLIC - STATE OF COLORADO NOTARY ID 20134073212 MY COMMISSION EXPIRES DEC 18, 2022

## Big Bucks Development Area Township 21 South, Range 32 East

Section 12: All Section 13: N2N2 800.00 Gross Acres Lea County, NM



ATTACHMENT







District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District III
811 S. Farst 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 IIV
1220 S. St. Francis Dr., Sauta Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

# State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION

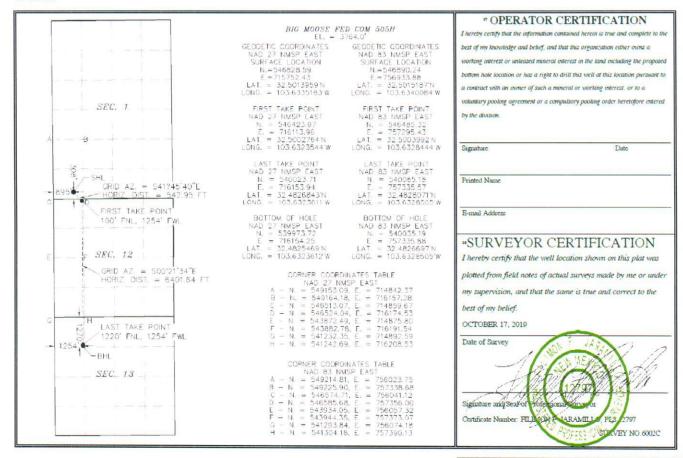
1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

1	API Number	r		<sup>2</sup> Pool Code			me		
' Property (	Code			]	Property BIG MOOSE				° Well Number 505H
'ogrid 1 32583	100.0	1		A	Operator ASCENT ENE				<sup>o</sup> Elevation 3764.0
					10 Surface	Location			
UL or lot no. M	Section 1	Township 21 S	Range 32 E	Lot Idn	Feet from the 308	North/South line SOUTH	Feet from the 895	East/West line WEST	County LEA
			11 Bo	tom Hol	e Location It	Different Fro	m Surface		- 0.1
UL or lot no.	Section 12	Township 21 S	Range 32 E	Lot Idn	Feet from the 1270	North/South line NORTH	Feet from the 1254	East/West line WEST	County
Dedicated Acre	Joint o	r Infill " (	Consolidation	Code 13 Or	der No.				

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



**ATTACHMENT** 



Ascent Energy, LLC



Big Moose FED COM 505H C-102 Well Plat

December 6, 2019

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District III
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazon 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

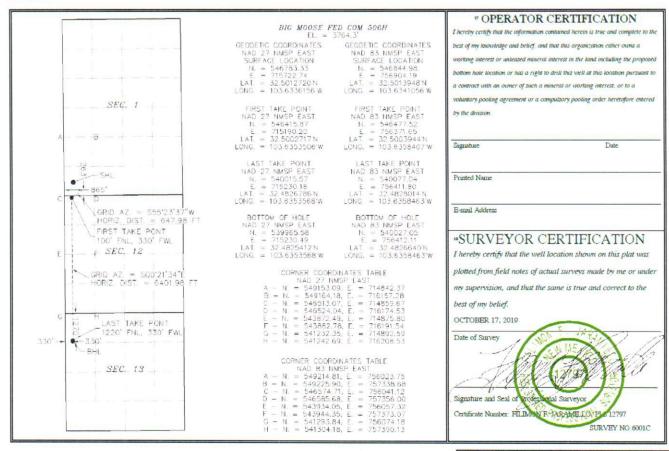
Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

A	FI	I	LC	C	AT	TO	N	Al	ND	A	C	RF	EA	GE	D	FD	IC	A	T	IC	N	PI	.A	T

1	API Number	r		2 Pool Code			me		
* Property	Code			]	<sup>3</sup> Property BIG MOOSE				Well Number 506H
<sup>2</sup> OGRID 32583	4.0			A	Operator ASCENT ENE				<sup>e</sup> Elevation 3764.3
					10 Surface	Location			
UL or lot no.	Section 1	Township 21 S	Range 32 E	Lot Idn	Feet from the 263	North/South line SOUTH	Feet from the 865	East/West line WEST	County
	(1)	'	11 Bo	ttom Hol	e Location It	Different Fro	m Surface		
UL or lot no.	Section 12	Township 21 S	Range 32 E	Lot Idn	Feet from the 1270	North/South line NORTH	Feet from the 330	East/West line WEST	County

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



Ascent Energy, LLC



Big Moose FED COM 506H C-102 Well Plat

December 6, 2019

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
<u>District III</u>
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
<u>District IIII</u>
1000 Rio Briazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
<u>District IIV</u>
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

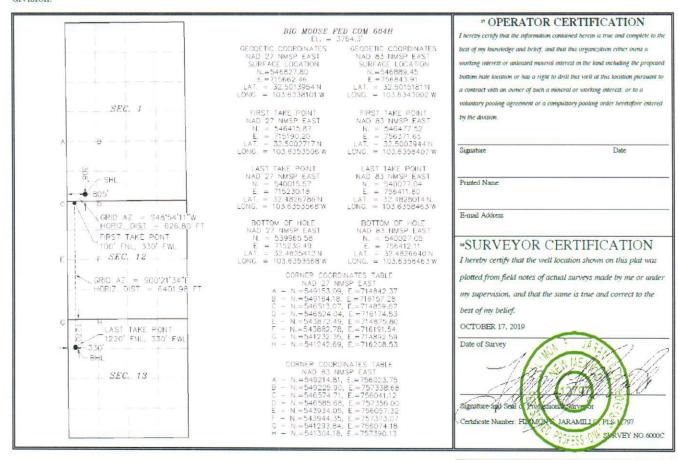
Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ A	PI Number	r		2 Pool Code			³ Pool Na	me	
Property C	ode			I	Property I				Well Number 604H
OGRID N 325830				A	Operator SCENT ENE				° Elevation 3764.3
					10 Surface	Location			
UL or lot no.	Section 1	Township 21 S	Range 32 E	Lot Idn	Feet from the 308	North/South line SOUTH	Feet from the 805	East/West line WEST	County
lon.		-	11 Bo	ttom Hol	e Location If	Different Fro	m Surface		
UL or lot no. D	Section 13	Township 21 S	Range 32 E	Lot Idn	Feet from the 1270	North/South line NORTH	Feet from the 330	East/West line WEST	County
Dedicated Acres	13 Joint o	r Infill "C	onsolidation	Code 13 Or	rder No.				

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



Ascent Energy, LLC



Big Moose FED COM 604H C-102 Well Plat

December 6, 2019

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

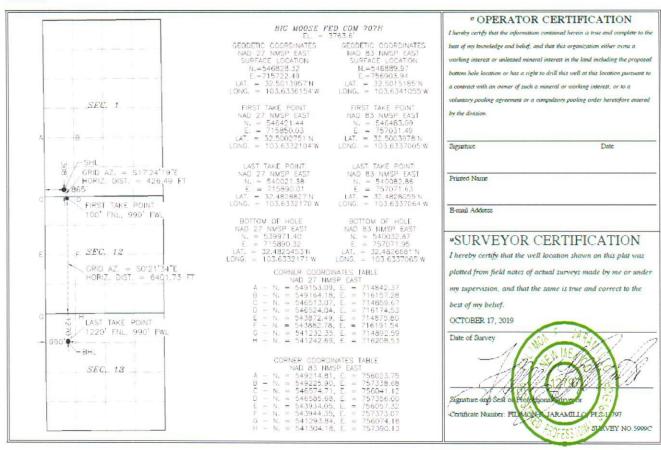
Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

	PI Number	r		<sup>2</sup> Pool Code			Pool Na	me	
* Property C	ode			1	Property I				Well Number 707H
7 OGRID N 325830	200			A	Operator ASCENT ENE				°Elevation 3763.6
					10 Surface	Location			
UL or lot no.	Section 1	Township 21 S	Range 32 E	Lot Idn	Feet from the 308	North/South line SOUTH	Feet from the 865	East/West line WEST	County
			11 Bo	ttom Hol	e Location It	Different From	m Surface		
UL or lot no.	Section 13	Township 21 S	Range 32 E	Lot Idn	Feet from the 1270	North/South line NORTH	Feet from the 990	East/West line WEST	County
Dedicated Acres	13 Joint o	r Infill "C	onsolidation	Code 13 Or	der No.				

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



Ascent Energy, LLC

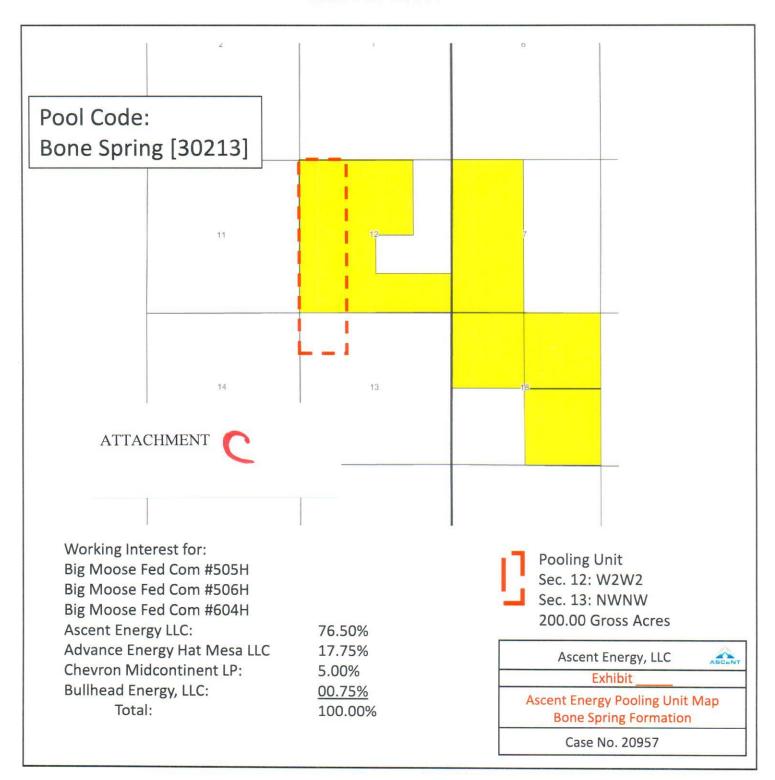


Big Moose FED COM 707H C-102 Well Plat

December 9,2019

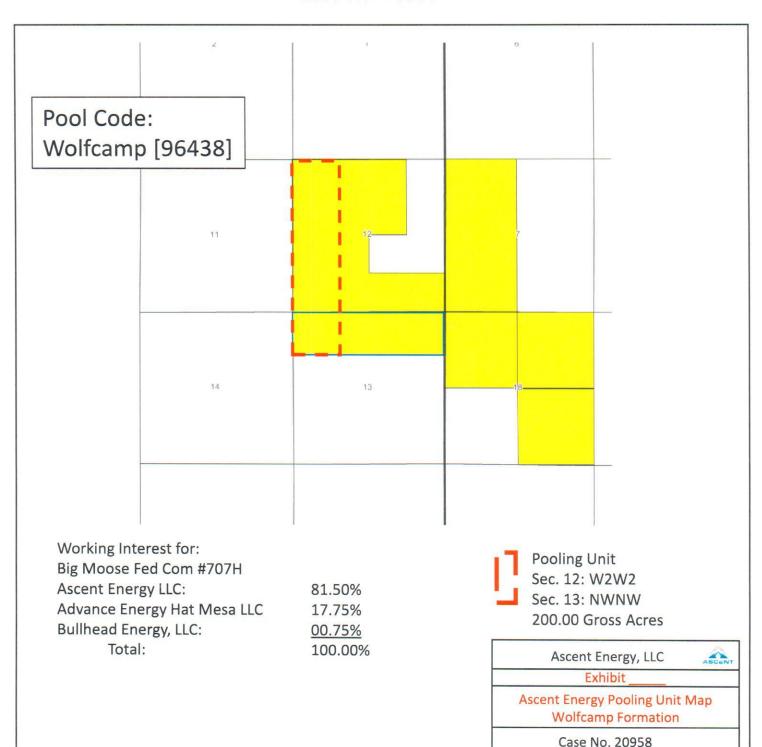
### Township 21 South, Range 32 East

Section 12: W2W2 Section 13: NWNW 200.00 Gross Acres Lea County, NM Case No. 20957



# Township 21 South, Range 32 East

Section 12: W2W2 Section 13: NWNW 200.00 Gross Acres Lea County, NM Case No. 20958





October 15, 2019

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

Attn: Paul Burdick

RE: Big Bucks Development Area

T21S-R32E Sec. 12: W2W2 Sec. 13: NWNW

400 Gross Acres, more or less Lea County, New Mexico

Dear Working Interest Owner:

Ascent Energy, LLC ("Ascent") hereby proposes the drilling, completing and equipping the following wells located in Sections 12 and 13 of T21S-R32E, Lea County, New Mexico, (collectively known as the "Big Moose Wells".

Well Name	<u>Legal Description</u>	Formation	TVD	TMD	AFE	
Big Moose Fed Com #505H	T21S-R32E Sec. 12: W2W2, Sec. 13: NWNW SLH: 308' FSL, 895' FWL, in Sec. 1, T21S-R32E BHL: 1,270' FNL, 1,254' FWL, in Sec. 13, T21S- R32E	2nd Bone Spring	10,748	17,502	\$ 8,919,724	
Big Moose Fed Com #506H	T21S-R32E Sec. 12: W2W2, Sec. 13: NWNW SLH: 263' FSL, 865' FWL, in Sec. 1, T21S-R32E BHL: 1,270' FNL, 330' FWL, in Sec. 13, T21S-R32E	2nd Bone Spring	10,731	17,495	\$ 8,919,724	
Big Moose Fed Com #604H	T21S-R32E Sec. 12: W2W2, Sec. 13: NWNW SLH: 308' FSL, 805' FWL, in Sec. 1, T21S-R32E BHL: 1,270' FNL, 330' FWL, in Sec. 13, T21S-R32E	3rd Bone Spring	11,508	18,368	\$ 9,375,499	
Big Moose Fed Com #707H	T21S-R32E Sec. 12: W2W2, Sec. 13: NWNW SLH: 308' FSL, 865' FWL, in Sec. 1, T21S-R32E BHL: 1,270' FNL, 990' FWL, in Sec. 13, T21S-R32E	Wolfcamp	11,630	18,360	\$ 9,951,730	



Ascent's records indicate that Advance Energy Hat Mesa, LLC ("Advance") owns a 15% working interest in the Big Moose Wells. Advance's estimated costs associated with the Big Moose Wells are approximately \$5,575,002.

In addition, Ascent proposes the Big Moose Wells under the terms of a modified 2015 Horizontal AAPL Form 610 Operating Agreement ("OA") with the following basic terms.

Contract Area:

Township 21 South, Range 32 East

Section 12: W2

Section 13: N2NW

- Ascent named as Operator
- 100%/300%/300% non-consent penalties
- \$7,000.00/\$700.00 drilling and producing overhead rates

Please indicate your election in the Big Moose Wells and return a signed copy within thirty (30) days of receipt of this notice to Ascent. If Advance is interested in selling its interest in the Contract Area, please contact the undersigned at your earliest convenience.

Ascent looks forward to working with Advance on this matter and may file for compulsory pooling in the near future to pool any uncommitted working interest owners. If you have any questions or concerns, please do not hesitate to contact the undersigned at (720) 710-8923 or <a href="mailto:lizink@ascentenergy.us">lizink@ascentenergy.us</a>.

Very Truly Yours,

Lee Zink

Vice President of Land Ascent Energy, LLC 1125 17th Street, Suite 410

Denver, CO 80202

Enclosure(s): Big Moose Fed Com #505H AFE

Big Moose Fed Com #506H AFE Big Moose Fed Com #604H AFE Big Moose Fed Com #707H AFE

Draft 2015 Horizontal AAPL Form 610 Operating Agreement (email only)

#### Well Election(s)

Big Moose Fed Com #505H
Advance Energy Hat Mesa, LLC hereby elects to participate in the proposed Big Moose Fed Com#505H Operation by paying its proportionate share of the costs outlined on the associated AFE.
Advance Energy Hat Mesa, LLC hereby elects not to participate in the proposed Big Moose Fed Com#505H Operation.
Big Moose Fed Com #506H
Advance Energy Hat Mesa, LLC hereby elects to participate in the proposed Big Moose Fed Com#506H Operation by paying its proportionate share of the costs outlined on the associated AFE.
Advance Energy Hat Mesa, LLC hereby elects not to participate in the proposed Big Moose Fed Com#506H Operation.
Big Moose Fed Com #604H
Advance Energy Hat Mesa, LLC hereby elects to participate in the proposed Big Moose Fed Com#604H Operation by paying its proportionate share of the costs outlined on the associated AFE.
Advance Energy Hat Mesa, LLC hereby elects not to participate in the proposed Big Moose Fed Com $\frac{1}{604}$ H Operation.
Big Moose Fed Com #707H
Advance Energy Hat Mesa, LLC hereby elects to participate in the proposed Big Moose Fed Con $\frac{1}{4707}$ H Operation by paying its proportionate share of the costs outlined on the associated AFE.
Advance Energy Hat Mesa, LLC hereby elects not to participate in the proposed Big Moose Fed Con $\#707H$ Operation.
Working Interest Owner:
Advance Energy Hat Mesa, LLC
By:
Title:
Date:

#### ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE (AFE)

DATE October 8, 2019

COST CENTER Big Moose Fed Com 505H BUD YEAR 2019

AFE NO.				CATEGORY	D&C	SUPPLEMENT NO.		
FIELD	Hat Me	esa	REGION	Delaware E	Basin	LEGAL:	21S 32E	
		STEERING CO. CO. AND SOUTH		Control of the Control				
OPERATOR	Ascent	Energy, LLC	WELL NO.	505H		W.I.		
OBJECTIVE	2nd Bo	one Spring	STATE	NM		MD/TVD	+/-17,500'/10,750'	
ESTIMATED P								
DESCRIPTION	N: Drill a 59	900' lateral in the 2nd Bone Spring and	rrac with 45 stag	jes. Assumes 4	string design	, 5 days to mob rig and 27 days to drill wel	i. Frac with slickwater in 45 sta	ges.
	INT	ANGIBLE DRILLING COSTS	5					
						DAMINE .		TOTAL WELL COST
ACCT.	DESCRI			Rate	Units	DRYHOLE		
8305 101	Location	n Cleanup & Damages				\$70,000		\$70,000
8305 102	Rig Mov	ve - MIRU, RDMO				\$75,000		75,000
8305 103		ntractor-Daywork/FT				\$648,000		648,000
8305 104		ntractor-Turnkey					Control of the last of the las	0
8305 105						\$160,000	Control of the Contro	160,000
				-		\$90,000		90,000
8305 106		uids & Chemicals			_			
8305 107	Bits, Re	eamer, Stabilizers		_		\$90,000		90,000
8305 108	Cement	t & Cementing Services				\$300,000		300,000
8305 109		ogging & Geosteering				\$48,000		48,000
8305 110	Open H	fole Logging						0
8305 111		ews & Tools				\$70,000		70,000
8305 112	Directio	onal Tools & Service				\$250,000		250,000
8305 114	Form F	val - Well Testing DST - Coring, Sa	ampling					0
8305 115			pinipiniq		_	¢4F 000		45,000
		r Inspection		_		\$45,000		
8305 116		nent Rentals		_	_	\$320,000		320,000
8305 117		ct Labor & Services				\$120,000		120,000
8305 118		e Consultants				\$121,500	The state of the s	121,500
8305 119	9 Compa	iny Supervison & Labor						0
8305 120		ortation				\$50,000		50,000
8305 121		uttings & Water Disposal			1	\$70,000		70,000
8305 122						\$32,713		32,713
8305 123					_	\$50,000		50,000
8305 124		& Water Well				\$50,000		50,000
8305 125	5 Unantic	cipated MirExp (Fishing)						0
8305 126						\$50,000		50,000
8305 127	7 Outside	e Operated Other						0
8305 128	8 Permits	S				\$10,000		10,000
8305 129		nmental & Safety				\$20,000		20,000
8305 130		ng						0
0000	SUBTO				_	\$2,740,213		\$2,740,213
0205 100								
8305 199	50.00.00.00.00.00.00.00.00.00.00.00.00.0	NGENCY (%) 5.00%				137,011		137,011
	SUB-TO	OTAL INTANGIBLE DRILLING COSTS				\$2,877,224		\$2,877,224
	INTAN	NGIBLE COMPLETION COS	STS					
							_	
ACCT.	DESCR	RIPTION		Rate	Units		COMPLETION	TOTAL WELL COST
100 may 17 11 may	- 1	Note the local control of the		Rate	Units			
8306 201	Locatio	on & Cleanup		Rate	Units		\$10,000	\$10,000
8306 201 8306 202	Locatio Power	on & Cleanup & Fuel		Rate	Units		\$10,000 250,000	\$10,000 250,000
8306 201 8306 202 8306 203	Locatio Power Compl	on & Cleanup & Fuel Fluids & Chemicals		Rate	Units		\$10,000	\$10,000 250,000 45,000
8306 201 8306 202 8306 203 8306 204	Locatio Power Compl Bits, Re	on & Cleanup & Fuel Fluids & Chemicals eamer, Stabilizers		Rate	Units		\$10,000 250,000	\$10,000 250,000 45,000 0
8306 201 8306 202 8306 203 8306 204 8306 205	Locatio Power Compl Bits, Re Cemen	on & Cleanup & Fuel Fluids & Chemicals eamer, Stabilizers at & Cementing Svcs		Rate	Units		\$10,000 250,000 45,000	\$10,000 250,000 45,000 0
8306 201 8306 202 8306 203 8306 204 8306 205 8306 206	Locatio Power Compl Bits, Re Cemen Loggine	on & Cleanup & Fuel Fluids & Chemicals eamer, Stabilizers at & Cementing Svcs ag & Perforation Svcs		Rate	Units		\$10,000 250,000	\$10,000 250,000 45,000 0 0 450,000
8306 201 8306 202 8306 203 8306 204 8306 205	Locatio Power Compl Bits, Re Cemen Loggine	on & Cleanup & Fuel Fluids & Chemicals eamer, Stabilizers at & Cementing Svcs		Rate	Units		\$10,000 250,000 45,000	\$10,000 250,000 45,000 0
8306 201 8306 202 8306 203 8306 204 8306 205 8306 206	Locatio Power: Compl Bits, Re Cemen Loggini Csg Cre	on & Cleanup & Fuel Fluids & Chemicals eamer, Stabilizers at & Cementing Svcs ag & Perforation Svcs		Rate	Units		\$10,000 250,000 45,000	\$10,000 250,000 45,000 0 0 450,000
8306 201 8306 202 8306 203 8306 204 8306 205 8306 206 8306 207 8306 208	Direction Location Location Power: Po	on & Cleanup & Fuel Fluids & Chemicals eamer, Stabilizers ta & Cementing Svcs tq & Perforation Svcs ews & Tools-Drive Hammer onal Tools & Svcs		Rate	Units		\$10,000 250,000 45,000 450,000	\$10,000 250,000 45,000 0 0 450,000 0
8306 201 8306 202 8306 203 8306 204 8306 205 8306 206 8306 207 8306 208 8306 208	Locatio Power Complete Bits, Re Comen Loggine Csg Cre Bits Direction Format	on & Cleanup & Fuel Fluids & Chemicals eamer, Stabilizers at & Cementing Svcs ag & Perforation Svcs rews & Tools-Drive Hammer onal Tools & Svcs tion Stimulatn Acid Frac		Rate	Units		\$10,000 250,000 45,000	\$10,000 250,000 45,000 0 0 450,000 0 2,100,000
8306 201 8306 202 8306 203 8306 204 8306 205 8306 206 8306 207 8306 208 8306 208 8306 208	Locatio Power is Compiled to Section 1	on & Cleanup & Fuel Fluids & Chemicals eamer, Stabilizers ta & Cementing Svcs ta & Perforation Svcs tews & Tools-Drive Hammer onal Tools & Svcs tion Stimulatn Acid Fract tion Evaluation		Rate	Units		\$10,000 250,000 45,000 450,000	\$10,000 250,000 45,000 0 450,000 450,000 0 2,100,000
8306 201 8306 202 8306 203 8306 205 8306 205 8306 205 8306 208 8306 208 8306 208 8306 208	Location Power   Location   Locat	on & Cleanup & Fuel Fluids & Chemicals eamer, Stabilizers tt & Cementing Svcs g & Perforation Svcs ews & Tools-Drive Hammer onal Tools & Svcs tion Stimulath Acid Frac tion Evaluation ir Inspection		Rate	Units		\$10,000 250,000 45,000 450,000	\$10,000 250,000 45,000 0 0 450,000 0 2,100,000
8306 201 8306 202 8306 203 8306 204 8306 205 8306 205 8306 205 8306 206 8306 208 8306 211 8306 211	Locatio Power Complete Complet	on & Cleanup & Fuel Fluids & Chemicals eamer, Stabilizers tt & Cementing Svcs q & Perforation Svcs rews & Tools-Drive Hammer onal Tools & Svcs tion Stuniath Acid Frac tion Evaluation ur Inspection ment Rentals		Rate	Units		\$10,000 250,000 45,000 450,000	\$10,000 250,000 45,000 0 0 450,000 0 0 2,100,000 0 0 195,000
8306 201 8306 202 8306 203 8306 203 8306 205 8306 205 8306 205 8306 205 8306 205 8306 211 8306 211 8306 211 8306 213	Locatio Power is Compl Bits, Re Cemen Logain Csg Cr Bits Format Format Tubula Equipm Contral	on & Cleanup & Fuel Filuds & Chemicals eamer, Stabilizers ta & Cementing Svcs tq & Perforation Svcs ews & Tools-Drive Hammer onal Tools & Svcs tion Stimulath Acid Frac tion Evaluation or Inspection ment Rentals tct Labor & Services		Rate	Units		\$10,000 250,000 45,000 450,000 2,100,000	\$10,000 250,000 45,000 0 0 450,000 0 2,100,000 0 195,000
8306 201 8306 202 8306 203 8306 203 8306 204 8306 205 8306 206 8306 206 8306 206 8306 213 8306 213 8306 213 8306 213	Locatio Power   Complete   Locatio	on & Cleanup & Fuel Fulds & Chemicals eamer, Stabilizers at & Cementing Svcs g & Perforation Svcs rews & Tools-Drive Hammer onal Tools & Svcs tion Stimulath Acid Frac tion Evaluation or Inspection ment Rentals ct Labor & Services te Consultant		Rate	Units		\$10,000 250,000 45,000 450,000	\$10,000 250,000 45,000 0 45,000 0 2,100,000 0 195,000 0 80,000
8306 201 8306 202 8306 203 8306 203 8306 205 8306 205 8306 206 8306 207 8306 207 8306 208 8306 213 8306 213 8306 213 8306 213	Locatio Power is Compi Bits, Re Cemen Logalni Cosg Cri Directio Format Tubula Equipm Contra Wellsit Compa	on & Cleanup & Fuel Fluids & Chemicals eamer, Stabilizers eamer, Stabilizers in & Cementing Svcs ing & Perforation Svcs ews & Tools-Drive Hammer onal Tools & Svcs tion Stimulatn Acid Fract tion Evaluation ir Inspection ment Rentals ct Labor & Services ie Consultant in Supervision & Labor		Rate	Units		\$10,000 250,000 45,000 45,000 2,100,000 195,000	\$10,000 250,000 45,000 0 0 450,000 0 2,100,000 0 195,000 8,000
8306 201 8306 202 8306 203 8306 204 8306 205 8306 205 8306 206 8306 207 8306 207 8306 208 8306 207 8306 211 8306 211 8306 213 8306 213 8306 213 8306 213	Locatio Power is Compil Compil Bits, Re Cemen Logqin Cog Cri Directio Format Tubula Equipm Contra Contra Wellsiti Compa Compa Compa Contra Compa Contra Compa Comp	on & Cleanup & Fuel Eliuds & Chemicals eamer, Stabilizers tt & Cementing Svcs g & Perforation Svcs rews & Tools-Drive Hammer onal Tools & Svcs tion Stimulath Acid Frac tion Evaluation ment Rentals tct Labor & Services tee Consultant any Supervision & Labor portation		Rate	Units		\$10,000 250,000 45,000 450,000 2,100,000 195,000 80,000	\$10,000 250,000 45,000 0 0 450,000 0 0 2,100,000 0 195,000 0 80,000 0
8306 201 8306 202 8306 203 8306 203 8306 204 8306 205 8306 205 8306 205 8306 207 8306 207 8306 210 8306 212 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213	Location  Note: The composition of the composition	on & Cleanup & Fuel Fluids & Chemicals eamer, Stabilizers ta & Cementing Svcs ta & Perforation Svcs ta & Perforation Svcs ton Stimulatn Acid Fract tion Stimulatn Acid Fract tion Evaluation or Inspection ment Rentals tct Labor & Services tee Consultant any Supervision & Labor sortation supportation suppo		Rate	Units		\$10,000 250,000 45,000 45,000 2,100,000 195,000	\$10,000 250,000 45,000 0 0 450,000 0 2,100,000 0 195,000 0 80,000 20,000
8306 201 8306 202 8306 203 8306 204 8306 205 8306 205 8306 206 8306 207 8306 207 8306 208 8306 207 8306 211 8306 211 8306 213 8306 213 8306 213 8306 213	Location  Note: The composition of the composition	on & Cleanup & Fuel Fluids & Chemicals eamer, Stabilizers ta & Cementing Svcs ta & Perforation Svcs ta & Perforation Svcs ton Stimulatn Acid Fract tion Stimulatn Acid Fract tion Evaluation or Inspection ment Rentals tct Labor & Services tee Consultant any Supervision & Labor sortation supportation suppo		Rate	Units		\$10,000 250,000 45,000 450,000 2,100,000 195,000 80,000	\$10,000 250,000 45,000 0 0 450,000 0 0 2,100,000 0 195,000 0 80,000 0
8306 201 8306 202 8306 203 8306 203 8306 204 8306 205 8306 205 8306 205 8306 207 8306 207 8306 210 8306 212 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213	Locatio Locatio Power in Locatio Power in Locatio Loca	on & Cleanup & Fuel Fluids & Chemicals eamer, Stabilizers ta & Cementing Svcs ta & Perforation Svcs ta & Perforation Svcs ton Stimulath Acid Fract tion Stimulath Acid Fract tion Evaluation or Inspection ment Rentals tct Labor & Services tec Consultant any Supervision & Labor ovration uttings & Water Disposal nce ead		Rate	Units		\$10,000 250,000 45,000 450,000 2,100,000 195,000 80,000	\$10,000 250,000 45,000 0 0 450,000 0 2,100,000 0 195,000 0 80,000 20,000
8306 201 8306 203 8306 203 8306 204 8306 205 8306 206 8306 206 8306 206 8306 207 8306 211 8306 212 8306 213 8306 213 8306 214 8306 213 8306 214 8306 215 8306 216	Locatio Locatio Power in Locatio Power in Locatio Loca	on & Cleanup & Fuel Bernard Filuds & Chemicals eamer, Stabilizers to & Cementing Svcs to & Perforation Svcs ews & Tools-Drive Hammer onal Tools & Svcs tion Stimulath Acid Fract tion Evaluation or Inspection ment Rentals tet Labor & Services te Consultant any Supervision & Labor portation uttings & Water Disposal nce		Rate	Units		\$10,000 250,000 45,000 450,000 2,100,000 195,000 80,000	\$10,000 250,000 45,000 0 0 45,000 0 2,100,000 0 195,000 0 0 2,000 15,000
8306 201 8306 202 8306 203 8306 204 8306 204 8306 206 8306 206 8306 206 8306 207 8306 210 8306 211 8306 212 8306 213 8306 213 8306 214 8306 215 8306 216 8306 216 8306 218 8306 218 8306 218	Locatio Locatio Power in Locatio Locatio Power in Locatio Loca	on & Cleanup & Fuel Brush & Chemicals eamer, Stabilizers tt & Cementing Svcs tq & Perforation Svcs ews & Tools-Drive Hammer onal Tools & Svcs tion Stimulath Acid Fract tion Evaluation or Inspection ment Rentals tct Labor & Services tec Consultant any Supervision & Labor portation uttings & Water Disposal ince ead & Water Well		Rate	Units		\$10,000 250,000 45,000 45,000 2,100,000 195,000 80,000 20,000	\$10,000 250,000 45,000 0 0 450,000 0 2,100,000 0 195,000 0 80,000 20,000 15,000 0 0
8306 201 8306 202 8306 202 8306 203 8306 203 8306 203 8306 205 8306 205 8306 205 8306 205 8306 215 8306 215	Locatio   Loca	on & Cleanup & Fuel Bruds & Chemicals eamer, Stabilizers ta & Cementing Svcs ta & Perforation Svcs ta & Perforation Svcs ton Stimulath Acid Fract tion Stimulath Acid Fract tion Evaluation or Inspection ment Rentals tot Labor & Services tec Consultant any Supervision & Labor bortation uttings & Water Disposal ince ead & Water Well clopated MajExp Fishing		Rate	Units		\$10,000 250,000 45,000 450,000 2,100,000 195,000 80,000 20,000 15,000	\$10,000 250,000 45,000 0 0 450,000 0 0 2,100,000 0 195,000 0 80,000 15,000 15,000 0 652,500
8306 201 8306 202 8306 202 8306 203 8306 204 8306 207 8306 207 8306 207 8306 207 8306 211 8306 211 8306 212 8306 213 8306 215 8306 215	Locatio Power I Service Servic	on & Cleanup & Fuel Bruds & Chemicals eamer, Stabilizers eamer, Stabilizers ta & Cementing Svcs tq & Perforation Svcs ews & Tools-Drive Hammer onal Tools & Svcs tion Stimulatn Acid Fract tion Evaluation or Inspection ment Rentals ct Labor & Services te Consultant any Supervision & Labor portation uttings & Water Disposal nce ead & Water Well cloated MaiExp Fishing bling Services		Rate	Units		\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 652,500	\$10,000 250,000 45,000 0 0 45,000 0 2,100,000 0 195,000 0 20,000 15,000 0 0 0 15,000 0 15,000
8306 201 8306 202 8306 202 8306 203 8306 205 8306 205 8306 206 8306 207 8306 212 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213 8306 223 8306 213 8306 213	Locatio Power I Stranger Location Logaline Logal	on & Cleanup & Fuel & Fuel  & Fuel Fliulds & Chemicals eamer, Stabilizers tt & Cementing Svcs q & Perforation Svcs ews & Tools-Drive Hammer onal Tools & Svcs tion Stimulath Acid Frac tion Evaluation or Inspection ment Rentals tct Labor & Services te Consultant any Supervision & Labor bortation uttings & Water Disposal nce ead & Water Well cipated MaiExp Fishing bing Services upplies & Materials		Rate	Units		\$10,000 250,000 45,000 450,000 2,100,000 195,000 20,000 15,000 652,500 150,000 35,000	\$10,000 250,000 45,000 0 0 450,000 0 2,100,000 0 195,000 80,000 20,000 15,000 0 0 15,000 0 15,000 0 15,000
8306 201 8306 202 8306 202 8306 202 8306 203 8306 205 8306 205 8306 205 8306 205 8306 205 8306 215 8306 215 8306 215 8306 215 8306 215 8306 215 8306 225 8306 225	Locatio Locatio Power I Locatio Power I Locatio Power I Locatio Locatio Locatio Power I Locatio Locatio Locatio Power I Locatio Power I Locatio Locatio Power I Locatio Locatio Power I Locati	on & Cleanup & Fuel Brush & Fuel Fluids & Chemicals eamer, Stabilizers eamer, Stabilizers It & Cementing Svcs Ig & Perforation Svcs Ig & Perforation Svcs Ig & Perforation Svcs Ig & Stabilizers It on Stimulation Acid Fract Ition Evaluation Ir Inspection ment Rentals Ict Labor & Services Ice Consultant Inny Supervision & Labor Intrinsic Stabilizers Ince Ice Ice Ice Ice Ice Ice Ice Ice Ice I		Rate	Units		\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 652,500 150,000 35,000 75,000	\$10,000 250,000 45,000 0 0 45,000 0 2,100,000 0 195,000 20,000 15,000 0 652,500 0 150,000 35,000 75,000
8306 201 8306 202 8306 203 8306 203 8306 205 8306 205 8306 206 8306 207 8306 207 8306 211 8306 212 8306 213 8306 213 8306 214 8306 213 8306 223 8306 223 8306 223 8306 223	Locatio Power is location Note that the control of	on & Cleanup & Fuel Brush & Fuel Filuids & Chemicals eamer, Stabilizers tt & Cementing Svcs tq & Perforation Svcs ews & Tools-Drive Hammer onal Tools & Svcs tion Stimulath Acid Fract tion Evaluation or Inspection ment Rentals tct Labor & Services tee Consultant any Supervision & Labor portation uttings & Water Disposal ince ead & Water Well cloated MajExp Fishing bling Services uppilies & Materials sck Testing & Permits		Rate	Units		\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 652,500 150,000 35,000 75,000	\$10,000 250,000 45,000 0 0 450,000 0 0 2,100,000 0 195,000 0 20,000 15,000 0 0 652,500 0 150,000 35,000
8306 201 8306 202 8306 202 8306 202 8306 203 8306 205 8306 205 8306 205 8306 205 8306 205 8306 205 8306 215 8306 225 8306 225	Locatio	on & Cleanup & Fuel Bruds & Chemicals eamer, Stabilizers eamer, Stabilizers ta & Cementing Svcs ta & Perforation Svcs ta & Perforation Svcs ton Stimulath Acid Fract tion Stimulath Acid Fract tion Stimulation or Inspection ment Rentals tot Labor & Services tec Consultant any Supervision & Labor orration uttings & Water Disposal nce ead & Water Well cloated MajExp Fishing ubing Services upplies & Materials ack Testing & Permits mentals & Safety Costs		Rate	Units		\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 652,500 150,000 35,000 75,000	\$10,000 250,000 45,000 0 0 45,000 0 2,100,000 0 195,000 0 20,000 15,000 0 15,000 15,000 35,000 45,000
8306 201 8306 202 8306 203 8306 203 8306 204 8306 205 8306 206 8306 205 8306 205 8306 215 8306 212 8306 212 8306 212 8306 213 8306 223 8306 223	Locatio   Locatio   Locatio   Locatio   Power   Locatio   Locati	on & Cleanup & Fuel Bruds & Chemicals eamer, Stabilizers eamer, Stabilizers ta & Cementing Svcs ta & Perforation Svcs ews & Tools-Drive Hammer onal Tools & Svcs tion Stimulath Acid Fract tion Evaluation or Inspection ment Rentals cct Labor & Services tee Consultant any Supervision & Labor portation uttings & Water Disposal ince lead & Water Well cipated MajExp Fishing abing Services upplies & Materials ack Testing & Permits mental & Safety Costs media  **Tools** **Tools		Rate	Units		\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 150,000 35,000 75,000 5,000 45,000	\$10,000 250,000 45,000 0 0 45,000 0 2,100,000 0 2,100,000 0 195,000 0 20,000 15,000 0 652,500 150,000 35,000 75,000 5,000 45,000
8306 201 8306 202 8306 202 8306 202 8306 203 8306 205 8306 205 8306 205 8306 205 8306 205 8306 205 8306 215 8306 225 8306 225	Locatio   Locatio   Locatio   Locatio   Power   Locatio   Locati	on & Cleanup & Fuel Bruds & Chemicals eamer, Stabilizers eamer, Stabilizers ta & Cementing Svcs ta & Perforation Svcs ta & Perforation Svcs ton Stimulath Acid Fract tion Stimulath Acid Fract tion Stimulation or Inspection ment Rentals tot Labor & Services tec Consultant any Supervision & Labor orration uttings & Water Disposal nce ead & Water Well cloated MajExp Fishing ubing Services upplies & Materials ack Testing & Permits mentals & Safety Costs		Rate	Units		\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 652,500 150,000 35,000 75,000	\$10,000 250,000 45,000 0 0 45,000 0 2,100,000 0 2,100,000 0 195,000 0 20,000 15,000 0 652,500 150,000 35,000 75,000 5,000 45,000
8306 201 8306 202 8306 203 8306 203 8306 204 8306 205 8306 206 8306 205 8306 205 8306 215 8306 212 8306 212 8306 212 8306 213 8306 223 8306 223	Locatio   Locatio   Locatio   Locatio   Power   Locatio   Locati	on & Cleanup & Fuel Bruds & Chemicals eamer, Stabilizers eamer, Stabilizers ta & Cementing Svcs ta & Perforation Svcs ews & Tools-Drive Hammer onal Tools & Svcs tion Stimulath Acid Fract tion Evaluation or Inspection ment Rentals cct Labor & Services tee Consultant any Supervision & Labor portation uttings & Water Disposal ince lead & Water Well cipated MajExp Fishing abing Services upplies & Materials ack Testing & Permits mental & Safety Costs media  **Tools** **Tools		Rate	Units		\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 150,000 35,000 75,000 5,000 45,000	\$10,000 250,000 45,000 0 0 45,000 0 2,100,000 0 2,100,000 0 195,000 0 20,000 15,000 0 652,500 150,000 35,000 75,000 5,000 45,000
8306 201 8306 202 8306 203 8306 203 8306 204 8306 205 8306 206 8306 205 8306 205 8306 215 8306 212 8306 212 8306 212 8306 213 8306 223 8306 223	Locatio   Locatio   Locatio   Locatio   Power   Locatio   Locati	on & Cleanup & Fuel Bruds & Chemicals eamer, Stabilizers eamer, Stabilizers it & Cementing Svcs ig & Perforation Svcs ews & Tools-Drive Hammer onal Tools & Svcs tion Stimulatn Acid Fract tion Evaluation ir Inspection ment Rentals ict Labor & Services te Consultant smy Supervision & Labor portation uttings & Water Disposal ince ead & Water Well cloated MaiExp Fishing biling Services biling Services upplies & Materials ack Testing & Permits inmental & Safety Costs ing etion Rig		Rate	Units		\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 150,000 35,000 5,000 45,000 30,000	\$10,000 250,000 45,000 0 0 45,000 0 2,100,000 0 2,100,000 0 2,100,000 0 20,000 15,000 0 652,500 0 150,000 35,000 75,000 45,000 33,000 33,000
8306 201 8306 202 8306 203 8306 203 8306 205 8306 205 8306 205 8306 205 8306 201 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213 8306 223 8306 223 8306 223 8306 223 8306 223 8306 223 8306 222 8306 222	Locatio Power i Substitute i Locatio i Locatio i Power i Locatio Loc	on & Cleanup & Fuel & Fuel Beauty & Fuel Filuids & Chemicals eamer, Stabilizers to & Cementing Svcs to & Perforation Svcs ews & Tools-Drive Hammer onal Tools & Svcs tion Stimulath Acid Fract tion Evaluation or Inspection ment Rentals ct Labor & Services te Consultant any Supervision & Labor portation uttings & Water Disposal ince ead & Water Well cloated MajExp Fishing ubing Services uppiles & Materials ack Testing & Permits inmental & Safety Costs ing etion Riq  otal		Rate	Units		\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 80,000 20,000 15,000 652,500 150,000 35,000 75,000 45,000 30,000	\$10,000 250,000 45,000 0 0 45,000 0 0 2,100,000 0 195,000 0 2,000 0 15,000 0 652,500 0 150,000 35,000 75,000 5,000 0 30,000
8306 201 8306 202 8306 203 8306 203 8306 204 8306 205 8306 206 8306 205 8306 205 8306 215 8306 212 8306 212 8306 212 8306 213 8306 223 8306 223	Locatio Power 1 Reference 1 Reference 2 Re	on & Cleanup & Fuel Bruds & Chemicals eamer, Stabilizers eamer, Stabilizers ta & Cementing Svcs ta & Perforation Svcs ta & Perforation Svcs ton Stimulath Acid Fract tion Evaluation or Inspection ment Rentals tot Labor & Services tee Consultant sury Supervision & Labor portation uttings & Water Disposal nce ead & Water Well cloated MajExp Fishing ubing Services upplies & Materials ack Testing & Permits nmental & Safety Costs ng eteion Riq  Stat  NOENCY (%) 0.00%		Rate	Units		\$10,000 250,000 45,000 45,000 2,100,000 195,000 80,000 2,100,000 15,000 35,000 75,000 45,000 30,000 45,000	\$10,000 250,000 45,000 0 0 45,000 0 2,100,000 0 195,000 0 20,000 15,000 35,000 75,000 45,000 \$2,000 \$3,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$5,000 \$
8306 201 8306 202 8306 203 8306 203 8306 205 8306 205 8306 205 8306 205 8306 201 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213 8306 223 8306 223 8306 223 8306 223 8306 223 8306 223 8306 222 8306 222	Locatio   Power   Locatio   Locatio   Power   Locatio   Power   Locatio	on & Cleanup & Fuel Berlinds & Chemicals eamer, Stabilizers eamer, Stabilizers it & Cementing Svcs ig & Perforation Svcs ews & Tools-Drive Hammer onal Tools & Svcs tion Stimulatin Acid Fract tion Evaluation ir Inspection ment Rentals ect Labor & Services te Consultant siny Supervision & Labor portation uttings & Water Disposal ince ead & Water Well cloated MaiExp Fishing bling Services bling Services sead & Water Well cloated MaiExp Fishing bling Services upplies & Materials ack Testing & Permits inmental & Safety Costs ing etion Rig  OTAL NORMCY (%)  0.00% OTAL INTANGIBLE COMPLETION COSTS		Rate	Units		\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 80,000 20,000 15,000 652,500 150,000 35,000 75,000 45,000 30,000	\$10,000 250,000 45,000 0 0 45,000 0 0 2,100,000 0 195,000 0 2,000 0 15,000 0 652,500 0 150,000 35,000 75,000 5,000 0 30,000
8306 201 8306 202 8306 203 8306 203 8306 205 8306 205 8306 205 8306 205 8306 201 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213 8306 223 8306 223 8306 223 8306 223 8306 223 8306 223 8306 222 8306 222	Locatio   Power   Locatio   Locatio   Power   Locatio   Power   Locatio	on & Cleanup & Fuel Bruds & Chemicals eamer, Stabilizers eamer, Stabilizers ta & Cementing Svcs ta & Perforation Svcs ta & Perforation Svcs ton Stimulath Acid Fract tion Evaluation or Inspection ment Rentals tot Labor & Services tee Consultant sury Supervision & Labor portation uttings & Water Disposal nce ead & Water Well cloated MajExp Fishing ubing Services upplies & Materials ack Testing & Permits nmental & Safety Costs ng eteion Riq  Stat  NOENCY (%) 0.00%		Rate	Units	\$2,877,224	\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 35,000 35,000 45,000 45,000 \$4,157,500 \$4,157,500	\$10,000 250,000 45,000 0 0 0 45,000 0 2,100,000 0 195,000 0 2,000 15,000 0 652,500 0 150,000 35,000 75,000 30,000 \$4,157,500 \$44,157,500
8306 201 8306 202 8306 203 8306 203 8306 205 8306 205 8306 205 8306 205 8306 201 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213 8306 223 8306 223 8306 223 8306 223 8306 223 8306 223 8306 222 8306 222	Locatio Power is a Complete in	on & Cleanup & Fuel & Fuel & Fuel Filuids & Chemicals eamer, Stabilizers rease of the Committee of the Commi		Rate	Units	\$2,877,224	\$10,000 250,000 45,000 45,000 2,100,000 195,000 80,000 2,100,000 15,000 35,000 75,000 45,000 30,000 45,000	\$10,000 250,000 45,000 0 0 45,000 0 2,100,000 0 195,000 0 20,000 15,000 35,000 75,000 45,000 \$2,000 \$3,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$5,000 \$
8306 201 8306 202 8306 202 8306 202 8306 203 8306 209 8306 207 8306 207 8306 207 8306 207 8306 207 8306 213 8306 228 8306 228 8306 228 8306 228 8306 228 8306 228 8306 228 8306 228	Locatio Power I Superior I Locatio Power I Reference I	on & Cleanup & Fuel Bruds & Chemicals eamer, Stabilizers eamer, Stabilizers g & Perforation Svcs g & Perforation Svcs ton Stimulatin Acid Fraction Evaluation trainspection ment Rentals ctc Labor & Services teconsultant any Supervision & Labor portation uttings & Water Disposal noe ead & Water Well cignated MajExp Fishing ubing Services upplies & Materials ack Testing & Permits mmental & Safety Costs ng etion Rentals ctc Acid Services conduction control of the Cost Services conduction control of the Cost Services consultant of the Cost Services co				\$2,877,224	\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 35,000 35,000 45,000 45,000 \$4,157,500 \$4,157,500	\$10,000 250,000 45,000 0 0 0 45,000 0 2,100,000 0 195,000 0 2,000 15,000 0 652,500 0 150,000 35,000 75,000 30,000 \$4,157,500 \$44,157,500
8306 201 8306 202 8306 203 8306 203 8306 205 8306 205 8306 205 8306 205 8306 201 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213 8306 223 8306 223 8306 223 8306 223 8306 223 8306 223 8306 222 8306 222	Locatio Power I Superior I Locatio Power I Reference I	on & Cleanup & Fuel & Fuel & Fuel Filuids & Chemicals eamer, Stabilizers rease of the Committee of the Commi		Rate	Units	\$2,877,224  DRYHOLE	\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 35,000 35,000 45,000 45,000 \$4,157,500 \$4,157,500	\$10,000 250,000 45,000 0 0 0 45,000 0 2,100,000 0 195,000 0 2,000 15,000 0 652,500 0 150,000 35,000 75,000 30,000 \$4,157,500 \$44,157,500
8306 201 8306 202 8306 202 8306 203 8306 203 8306 205 8306 207 8306 207 8306 207 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213 8306 223 8306 223 8306 223 8306 222 8306 223 8306 223	Locatio	on & Cleanup & Fuel & Fuel Bruds & Chemicals eamer, Stabilizers eamer, Stabilizers It & Cementing Svcs Ig & Perforation Svcs Iton Stimulath Acid Fract Iton Evaluation Ir Inspection ment Rentals Ict Labor & Services Ict Cabor & Services Ict Testing Ince Ict Testing Ict		Rato	Units	DRYHOLE	\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 35,000 35,000 45,000 45,000 \$4,157,500 \$4,157,500	\$10,000 250,000 45,000 0 0 45,000 0 0 2,100,000 0 195,000 0 2,100,000 0 0 20,000 150,000 150,000 35,000 5,000 45,000 \$4,157,500 \$7,034,724
8306 201 8306 203 8306 203 8306 203 8306 204 8306 205 8306 206 8306 205 8306 205 8306 215 8306 215 8306 215 8306 215 8306 215 8306 215 8306 215 8306 215 8306 225 8306 325 8306 325	Locatio   Power   Locatio   Locatio   Power   Locatio   Power   Locatio	on & Cleanup & Fuel & Fuel & Fuel Briuds & Chemicals eamer, Stabilizers eamer, Stabilizers in & Cementing Svcs ing & Perforation Svcs ews & Tools-Drive Hammer onal Tools & Svcs tion Stimulath Acid Fract tion Evaluation in Inspection ment Rentals cct Labor & Services tee Consultant any Supervision & Labor portation uttings & Water Disposal ince ead & Water Well cloated MaiExp Fishing biling Services upplies & Materials ack Testing & Permits inmental & Safety Costs ing etion Rig  DTAL NORENCY (%) OCHAL INTANGIBLE COMPLETION COSTS OTAL INTANGIBLE COSTS INGIBLE DRILLING COSTS INFITION Pipe Conductor Casing		Rate \$ -	Units	DRYHOLE \$30,000	\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 35,000 35,000 45,000 45,000 \$4,157,500 \$4,157,500	\$10,000 250,000 45,000 0 0 45,000 0 2,100,000 0 2,100,000 0 195,000 0 20,000 15,000 0 652,500 0 150,000 35,000 75,000 45,000 \$44,157,500 \$44,157,500 \$7,034,724
8306 201 8306 202 8306 202 8306 202 8306 203 8306 206 8306 207 8306 207 8306 208 8306 208 8306 208 8306 208 8306 218 8306 218 8306 218 8306 218 8306 218 8306 218 8306 218 8306 218 8306 218 8306 228 8306 238 8306 238	Locatio	on & Cleanup & Fuel Brush & Fuel Fluids & Chemicals eamer, Stabilizers eamer, Stabilizers  It & Cementing Svcs  It & Perforation Svcs  It & Perforation Svcs  It & Stabilizers  It is St		Rate \$ - \$ -	Units	DRYHOLE \$30,000 \$65,000	\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 35,000 35,000 45,000 45,000 \$4,157,500 \$4,157,500	\$10,000 250,000 45,000 0 0 45,000 0 2,100,000 0 2,100,000 0 195,000 0 20,000 15,000 0 150,000 35,000 45,000 45,000 \$4,157,500 \$7,034,724
8306 201 8306 203 8306 203 8306 203 8306 203 8306 206 8306 207 8306 207 8306 207 8306 211 8306 212 8306 213 8306 223 8306 233 8306 333 8306 333 8306 333 8306 333 8308 303 8308 303 8308 303 8308 303 8308 303	Locatio   Power   Locatio   Locatio   Power   Locatio   Power   Locatio	on & Cleanup & Fuel & Fuel & Fuel Briuds & Chemicals eamer, Stabilizers eamer, Stabilizers ig & Perforation Svcs ig & Perforation Svcs ig & Perforation Svcs ews & Tools-Drive Hammer onal Tools & Svcs tion Stimulatin Acid Fract tion Evaluation ir Inspection ment Rentals ict Labor & Services te Consultant smy Supervision & Labor portation uttings & Water Disposal ince ead & Water Well cipated MajExp Fishing bibling Services upplies & Materials ack Testing & Permits inmental & Safety Costs ing etion Riq oral.  NAMENCY (%) OLOWNO OTAL INTANGIBLE COMPLETION COSTS OTAL INTANGIBLE COSTS INGIBLE DRILLING COSTS INGIBLE CASING		Rate   \$ - \$ - \$ - \$ - \$	Units 0 0 0 0	DRYHOLE \$30,000 \$65,000 \$140,000	\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 35,000 35,000 45,000 45,000 \$4,157,500 \$4,157,500	\$10,000 250,000 45,000 0 0 0 45,000 0 2,100,000 0 2,100,000 0 0 195,000 0 20,000 15,000 0 652,500 0 35,000 35,000 3,000 \$4,157,500 \$7,034,724  TOTAL WELL COST \$30,000 65,000 15,000
8306 201 8306 202 8306 202 8306 203 8306 206 8306 207 8306 207 8306 207 8306 207 8306 217 8306 217 8306 217 8306 217 8306 217 8306 218 8306 218 8306 218 8306 218 8306 218 8306 218 8306 218 8306 228 8306 328 8306 338 8308 308 308	Locatio	on & Cleanup & Fuel Bruds & Chemicals eamer, Stabilizers eamer, Stabilizers g & Perforation Svcs g & Perforation Svcs ton Stimulatin Acid Fraction Evolution ton Evaluation or Inspection ment Rentals ctc Labor & Services teconsultant any Supervision & Labor systems and Supervision uttings & Water Disposal noc ead & Water Well ciopated MajExp Fishing ubing Services upplies & Materials ack Testing & Permits nomental & Safety Costs noment		Rate \$ - \$ -	Units	DRYHOLE \$30,000 \$65,000	\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 35,000 35,000 45,000 45,000 \$4,157,500 \$4,157,500	\$10,000 250,000 45,000 0 0 0 45,000 0 2,100,000 0 2,100,000 0 0 195,000 0 20,000 15,000 0 652,500 0 35,000 35,000 3,000 \$4,157,500 \$7,034,724  TOTAL WELL COST \$30,000 65,000 15,000
8306 201 8306 203 8306 203 8306 203 8306 204 8306 205 8306 206 8306 207 8306 207 8306 215 8306 215 8306 215 8306 215 8306 215 8306 215 8306 225 8306 23 8306 33 8308 30 8308	Locatio   Power	on & Cleanup & Fuel Brush & Fuel Fluids & Chemicals eamer, Stabilizers eamer, Stabilizers It & Cementing Svcs Ig & Perforation Svcs Iton Stimulatin Acid Fract Iton Evaluation Ir Inspection ment Rentals Ict Labor & Services Ice Consultant Inny Supervision & Labor Interpretation In		Rate   \$ - \$ - \$ - \$ - \$	Units 0 0 0 0	DRYHOLE \$30,000 \$65,000 \$140,000	\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 35,000 35,000 45,000 45,000 \$4,157,500 \$4,157,500	\$10,000 250,000 45,000 45,000 0 0 450,000 0 2,100,000 0 195,000 0 20,000 15,000 0 35,000 35,000 45,000 35,000 \$4,157,500 \$7,034,724  TOTAL WELL COST \$30,000 65,000 160,000 160,000 160,000
8306 201 8306 202 8306 203 8306 203 8306 206 8306 207 8306 207 8306 207 8306 207 8306 217 8306 217 8306 217 8306 217 8306 217 8306 218 8306 218 8306 218 8306 218 8306 218 8306 218 8306 218 8306 228 8306 328 8306 338 8308 308 308	Locatio   Power	on & Cleanup & Fuel Bruds & Chemicals eamer, Stabilizers eamer, Stabilizers g & Perforation Svcs g & Perforation Svcs ton Stimulatin Acid Fraction Evolution ton Evaluation or Inspection ment Rentals ctc Labor & Services teconsultant any Supervision & Labor systems and Supervision uttings & Water Disposal noc ead & Water Well ciopated MajExp Fishing ubing Services upplies & Materials ack Testing & Permits nomental & Safety Costs noment		Rate   \$ - \$ - \$ - \$ - \$	Units 0 0 0 0	\$30,000 \$65,000 \$140,000 \$265,000	\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 35,000 35,000 45,000 45,000 \$4,157,500 \$4,157,500	\$10,000 250,000 45,000 0 0 45,000 0 2,100,000 0 2,100,000 0 195,000 0 20,000 15,000 0 15,000 0 45,000 0 45,000 0 45,000 0 45,000 0 45,000 0 45,000 0 45,000 0 \$4,157,500 \$7,004 \$
8306 201 8306 203 8306 203 8306 203 8306 204 8306 205 8306 206 8306 207 8306 207 8306 215 8306 215 8306 215 8306 215 8306 215 8306 215 8306 225 8306 23 8306 33 8308 30 8308	Locatio   Locatio   Locatio   Locatio   Power   Locatio   Locati	on & Cleanup & Fuel Brush & Fuel Fluids & Chemicals eamer, Stabilizers eamer, Stabilizers It & Cementing Svcs Ig & Perforation Svcs Iton Stimulatin Acid Fract Iton Evaluation Ir Inspection ment Rentals Ict Labor & Services Ice Consultant Inny Supervision & Labor Interpretation In		Rate   \$ - \$ - \$ - \$ - \$	Units 0 0 0 0	\$30,000 \$65,000 \$140,000 \$265,000 40,000	\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 35,000 35,000 45,000 45,000 \$4,157,500 \$4,157,500	\$10,000 250,000 45,000 0 0 45,000 0 2,100,000 0 2,100,000 0 195,000 0 20,000 15,000 0 652,500 45,000 45,000 45,000 \$4,157,500 \$7,034,724  TOTAL WELL COST \$30,000 65,000 140,000 65,000 140,000 656,000 140,000 665,000 140,000 665,000
8306 201 8306 203 8306 203 8306 203 8306 204 8306 205 8306 205 8306 205 8306 205 8306 215 8306 215 8306 215 8306 212 8306 212 8306 213 8306 213 8306 215 8306 215 8306 225 8306 235 8306 235 8308 235	Locatio	on & Cleanup & Fuel Brush & Fuel Fluids & Chemicals eamer, Stabilizers eamer, Stabilizers It & Cementing Svcs It & Perforation Svcs It & Perforation Svcs It & Services It & Staber It & S		Rate   \$ - \$ - \$ - \$ - \$	Units 0 0 0 0	\$30,000 \$65,000 \$140,000 \$265,000 40,000	\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 35,000 35,000 45,000 45,000 \$4,157,500 \$4,157,500	\$10,000 250,000 45,000 0 0 45,000 0 0 2,100,000 0 0 195,000 0 0 2,100,000 0 0 0 20,000 150,000 35,000 5,000 45,000 \$4,157,500 \$7,034,724  TOTAL WELL COST \$30,000 140,000 65,000 40,000
8306 201 8306 202 8306 202 8306 202 8306 203 8306 209 8306 207 8306 207 8306 207 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213 8306 224 8306 225 8306 23 8306 23 8306 23 8306 23 8306 23 8306 23 8306 23 8306 25 8306 30 8308 30	Locatio	on & Cleanup & Fuel Be Fuel Fulds & Chemicals eamer, Stabilizers eamer, Stabilizers ta & Cementing Svcs tq & Perforation Svcs ews & Tools-Drive Hammer onal Tools & Svcs tion Stimulath Acid Fract tion Evaluation prinspection ment Rentals cct Labor & Services tee Consultant any Supervision & Labor portation uttings & Water Disposal nice ead & Water Well cloated MaiExp Fishing biling Services upplies & Materials ack Testing & Permits mmental & Safety Costs ng etion Rig  DTAL NOTAL INTANCIBLE COMPLETION COSTS OTAL INTANCIBLE COSTS  NGENCY (%) OOM OTAL INTANCIBLE COSTS  NGIBLE DRILLING COSTS  INTINO CO		Rate   \$ - \$ - \$ - \$ - \$	Units 0 0 0 0	\$30,000 \$65,000 \$140,000 \$265,000 40,000	\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 35,000 35,000 45,000 45,000 \$4,157,500 \$4,157,500	\$10,000 250,000 45,000 0 0 45,000 0 2,100,000 0 2,100,000 0 195,000 0 20,000 15,000 0 652,500 45,000 45,000 45,000 \$4,157,500 \$7,034,724  TOTAL WELL COST \$30,000 65,000 140,000 65,000 140,000 656,000 140,000 665,000 140,000 665,000
8306 201 8306 202 8306 202 8306 202 8306 203 8306 209 8306 207 8306 207 8306 207 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213 8306 213 8306 224 8306 225 8306 23 8306 23 8306 23 8306 23 8306 23 8306 23 8306 23 8306 25 8306 30 8308 30	Locatio	on & Cleanup & Fuel Brush & Fuel Fluids & Chemicals eamer, Stabilizers eamer, Stabilizers It & Cementing Svcs It & Perforation Svcs It & Perforation Svcs It & Services It & Staber It & S		Rate   \$ - \$ - \$ - \$ - \$	Units 0 0 0 0	\$30,000 \$65,000 \$140,000 \$265,000 40,000	\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 35,000 35,000 45,000 45,000 \$4,157,500 \$4,157,500	\$10,000 250,000 45,000 0 0 45,000 0 0 2,100,000 0 0 195,000 0 0 2,100,000 0 0 0 20,000 150,000 35,000 5,000 45,000 \$4,157,500 \$7,034,724  TOTAL WELL COST \$30,000 140,000 65,000 40,000



	TANGIBLE COMPLETIO	N COSTS					
ACCT.	DESCRIPTION	014 COS15	Rate	Units		COMPLETION	TOTAL WELL COST
8309 401	Production Casing		\$ -	0	president and the second secon	340,000	\$340,000
8309 402	Tubing		\$ -	0		60,000	60,000
8309 403	Subs Flt Eqpt Centralizers Etc					50,000	50,000
8309 404	Sub Surface Equipment					30,000	30,000
8309 405	Xmas Tree Upper Section					60,000	60,000
8309 406	Outside Operated Other		+				0
	SUB-TOTAL TANGIBLE COMPLETION (	COSTS				\$540,000	\$540,000
	SUB-TOTAL TANGIBLE COSTS	303.73			\$600,000	\$540,000	\$1,140,000
	SUB-TOTAL INTANGIBLE & TANGIBLE	corre			\$3,477,224	\$4,697,500	\$8,174,724
	PRODUCTION EQUIPM				\$5,477,224	\$4,037,300	40,274,724
	PRODUCTION EQUIPM	ENI COSIS				COMPLETION TO	TOTAL WELL COST
8311 501	Artificial Lift Equipment					COMPLETION 45,000	\$45,000
8311 502	Prime Mover Electric Gas					43,000	0
8311 503	Sales Gathering Line						0
8311 504	Separation Equipment					70,000	70,000
8311 505	Oil Treating Heating Equipmen	nt					0
8311 506	Gas Treating Dehy Equipment						0
8311 507	Tanks					160,000	160,000
8311 508	Meters		_			55,000	55,000
8311 509	Electrical Equip Install		-			20,000	20,000
8311 510 8311 511	Compressor Flowlines					50,000	50,000
8311 511 8311 512	Labor					145,000	145,000
8311 513	Trucks Hauling Transportation		7			10,000	10,000
8311 514	Buildings						0
8311 515	Roads & Locations					40,000	40,000
8311 516	Manifolds & Headers					15,000	15,000
8311 517	Chemical Injection System						0
8311 518	Piping & Valves					50,000	50,000
8311 519	Welding		+			F 000	0
8311 520	Surface Pumps		_			5,000	5,000
8311 521 8311 522	Filters Outside Operated Other		_				0
8311 523	Environmental & Safety					10,000	10,000
8311 524	Engineering Supervision					30,000	30,000
8311 525	Surface Facilities					40,000	40,000
	SUB-TOTAL PRODUCTION EQUIPME	NT				\$745,000	\$745,000
	SUB-TOTAL INTANGIBLE COSTS (PA	AGE 1)			\$2,877,224	\$4,157,500	\$7,034,724
	SUB-TOTAL TANGIBLE COSTS (PAG	GE 2)			\$600,000	\$540,000	\$1,140,000
		GRAND TOTAL			\$3,477,224	\$5,442,500	\$8,919,724
-	<del>                                     </del>	and the second second second second					\$8,919,724
		LESS OUTSIDE INTERES	15		\$3,477,224	\$5,442,500	
		TOTAL NET COSTS			\$0	\$0	\$0
	perator: Costs shown on this form are the hill be required to perform the propo		ould not conside	er these estimate	es as establishing any limit		
PREPARED BY		DATE			GROSS AFE AMOUNT - DRY HOLE		\$3,477,224
					NET DRYHOLE AFE AMOUNT		\$0
APPROVED		DATE			NET ASSET TRANSFERS		\$0
AFFROVED							
		DATE			CASH OUTLAY THIS AFE		\$0
APPROVED		DATE			PREVIOUS AFE'S ISSUED		\$0
					TOTAL CASH OUTLAY		\$0
APPROVED		DATE					
	WORKING INTEREST A	PPPOVAL					
		WORKING INTEREST			APPROVED BY		DATE
	COMPANI	WORKING INTEREST			APPROVED BY		DATE

#### ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE (AFE)

	TER	Big Moose Fed Com 506H		BUD YEAR		DATE	October 8, 2019	
AFE NO.				CATEGORY		SUPPLEMENT NO.		
FIELD		Hat Mesa	REGION	Delaware I	Basin	LEGAL:	21S 32E	
OPERATOR		Ascent Energy, LLC	WELL NO.	506H		W.I.		
OBJECTIVE		2nd Bone Spring	STATE	NM		MD/TVD	+/-17,500'/10,730'	
		DJECT START DATE: 4Q2019	for a wish of an			Edwards and all and all and	Fore with all downton in 45 at-	
DESCRIPT	ION:	Drill a 5900' lateral in the 2nd Bone Spring and	frac with 45 sta	ges. Assumes 4	string design	, 5 days to mob rig and 27 days to drill well	. Frac with slickwater in 45 sta	ges.
		INTANGIBLE DRILLING COSTS	5					
ACCT	1	DESCRIPTION		Rate	Units	DRYHOLE		TOTAL WELL COST
	101	Location Cleanup & Damages		Kate	Onics	\$70,000		\$70,000
	102	Rig Move - MIRU, RDMO				\$75,000		75,000
8305	103	Rig Contractor-Daywork/FT				\$648,000		648,000
	104	Rig Contractor-Turnkey						0
	105	Power & Fuel		_	-	\$160,000		160,000
	106	Drill Fluids & Chemicals		_		\$90,000		90,000 90,000
	107	Bits, Reamer, Stabilizers Cement & Cementing Services				\$90,000 \$300,000		300,000
	109	Mud Logging & Geosteering				\$48,000		48,000
	110	Open Hole Logging						0
	111	Csq Crews & Tools				\$70,000		70,000
	112	Directional Tools & Service				\$250,000		250,000
	114	Form Eval - Well Testing DST - Coring, Sa	ampling					0
	115	Tubular Inspection		_	-	\$45,000		45,000
	116	Equipment Rentals Contract Labor & Services				\$320,000 \$120,000		320,000 120,000
8305	118	Wellsite Consultants				\$120,000		121,500
8305	119	Company Supervison & Labor				4227300		0
8305	120	Transportation				\$50,000		50,000
8305	121	Mud, Cuttings & Water Disposal	111			\$70,000		70,000
	122	Insurance				\$32,713		32,713
8305	123	Overhead				\$50,000		50,000
	124	Water & Water Well Unanticipated MjrExp (Fishing)		_	_	\$50,000		50,000
8305 8305	125	Legal		_		\$50,000		50,000
8305	127	Outside Operated Other				\$30,000		0
8305	128	Permits				\$10,000		10,000
8305	129	Environmental & Safety				\$20,000		20,000
8305	130	Plugging						0
		SUBTOTAL				\$2,740,213		\$2,740,213
8305	199	CONTINGENCY (%) 5.00%				137,011		137,011
_	_	SUB-TOTAL INTANGIBLE DRILLING COSTS	70			\$2,877,224		\$2,877,224
		INTANGIBLE COMPLETION COS						
	_				_			
ACCT	г.	DESCRIPTION		Rate	Units		COMPLETION	TOTAL WELL COST
8306	201	Location & Cleanup		Rate	Units		\$10,000	\$10,000
8306 8306	201	Location & Cleanup Power & Fuel		Rate	Units		\$10,000 250,000	\$10,000 250,000
8306 8306 8306	201 202 203	Location & Cleanup Power & Fuel Compl Fluids & Chemicals		Rate	Units		\$10,000	\$10,000 250,000 45,000
8306 8306 8306 8306	201 202 203 204	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers		Rate	Units		\$10,000 250,000	\$10,000 250,000 45,000 0
8306 8306 8306 8306 8306	201 202 203 204 205	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs		Rate	Units		\$10,000 250,000 45,000	\$10,000 250,000 45,000 0
8306 8306 8306 8306 8306 8306	201 202 203 204	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logqing & Perforation Svcs		Rate	Units		\$10,000 250,000	\$10,000 250,000 45,000 0 0 450,000
8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs		Rate	Units		\$10,000 250,000 45,000	\$10,000 250,000 45,000 0
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logqing & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac		Rate	Units		\$10,000 250,000 45,000	\$10,000 250,000 45,000 0 0 450,000 0 2,100,000
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Loggling & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Evaluation		Rate	Units		\$10,000 250,000 45,000 450,000	\$10,000 250,000 45,000 0 450,000 0 2,100,000
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logqing & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection		Rate	Units		\$10,000 250,000 45,000 450,000	\$10,000 250,000 45,000 0 450,000 0 450,000 0 0 2,100,000
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logqing & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals		Rate	Units		\$10,000 250,000 45,000 450,000	\$10,000 250,000 45,000 0 0 450,000 0 2,100,000 0 0 2,100,000 0 0
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logqing & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services		Rate	Units		\$10,000 250,000 45,000 450,000 2,100,000	\$10,000 250,000 45,000 0 0 450,000 0 2,100,000 0 195,000
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logqing & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals		Rate	Units		\$10,000 250,000 45,000 450,000	\$10,000 250,000 45,000 0 0 450,000 0 2,100,000 0 0 2,100,000 0 0
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logqing & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation		Rate	Units		\$10,000 250,000 45,000 450,000 2,100,000 195,000 80,000	\$10,000 250,000 45,000 0 0 45,000 0 2,100,000 0 195,000 0 80,000 0 22,00,000
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Gementing Svcs Loggling & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal		Rate	Units		\$10,000 250,000 45,000 450,000 2,100,000 195,000	\$10,000 250,000 45,000 0 0 450,000 0 2,100,000 0 195,000 0 0 0 2,000 0 0 0 0 0 0 0 0 0 0 0 0
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logalina & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance		Rate	Units		\$10,000 250,000 45,000 450,000 2,100,000 195,000 80,000	\$10,000 250,000 45,000 0 0 0 2,100,000 0 195,000 0 80,000 0 20,000
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Loaquing & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Weilste Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead		Rate	Units		\$10,000 250,000 45,000 45,000 2,100,000 195,000 80,000 20,000	\$10,000 250,000 45,000 0 0 450,000 0 2,100,000 0 195,000 0 0 2,000 0 0 195,000 0 0
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logaling & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Staluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well		Rate	Units		\$10,000 250,000 45,000 450,000 2,100,000 195,000 80,000	\$10,000 250,000 45,000 0 0 45,000 0 2,100,000 0 195,000 0 2,000 15,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logqing & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MaiExp Fishing		Rate	Units		\$10,000 250,000 45,000 450,000 2,100,000 195,000 80,000 20,000 15,000	\$10,000 250,000 45,000 0 45,000 0 450,000 0 2,100,000 0 195,000 0 20,000 15,000 0 652,500
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logaling & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Staluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well		Rate	Units		\$10,000 250,000 45,000 45,000 2,100,000 195,000 80,000 20,000 15,000	\$10,000 250,000 45,000 0 0 45,000 0 2,100,000 0 195,000 0 20,000 15,000 0 0 652,500
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 222 223	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Gementing Svcs Logqing & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Stimulath Acid Frac Formation Stimulath Acid Frac Formation Stimulath Acid Frac Formation Stevaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellstiet Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MaiExp Fishing Coil Tubing Services Misc Supplies & Materials Flowback Testing		Rate	Units		\$10,000 250,000 45,000 45,000 2,100,000 195,000 80,000 20,000 15,000 150,000 35,000 75,000	\$10,000 250,000 45,000 0 0 45,000 0 2,100,000 0 195,000 20,000 15,000 0 0 652,500 0 150,000 35,000
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 210 211 212 213 214 215 217 218 219 220 221 222 223 224	Location & Cieanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logqing & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Staluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MaiExp Fishing Coli Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits		Rate	Units		\$10,000 250,000 45,000 45,000 2,100,000 195,000 20,000 15,000 150,000 35,000 75,000 5,000	\$10,000 250,000 45,000 0 0 45,000 0 2,100,000 0 195,000 0 2,000 15,000 0 15,000 0 15,000 0 15,000 0 15,000 0 15,000 0 15,000 0 15,000 0 15,000 0 15,000
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 221 222 223 224 225 226	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Loaqiing & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Weilsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Weil Unanticipated MaiExp Fishing Coil Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs		Rate	Units		\$10,000 250,000 45,000 45,000 2,100,000 195,000 80,000 20,000 15,000 150,000 35,000 75,000	\$10,000 250,000 45,000 0 0 45,000 0 2,100,000 0 2,100,000 0 0 2,000 15,000 0 652,500 0 150,000 35,000 75,000 5,000
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 220 221 222 223 224 225 225	Location & Cieanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logaina & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Stimulath Acid Frac Formation Staluation Tubular Inspection Equipment Rentals Contract Labor & Services Weilsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Weil Unanticipated MaiExp Fishing Coll Tubing Services Misc Supplies & Materials Flowback Testing Leaal & Permits Environmental & Safety Costs Plugaing		Rate	Units		\$10,000 250,000 45,000 45,000 2,100,000 195,000 20,000 15,000 150,000 35,000 75,000 45,000	\$10,000 250,000 45,000 45,000 0 0 450,000 0 2,100,000 0 195,000 0 20,000 15,000 0 0 15,000 0 5,000 35,000 5,000 5,000 5,000
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 221 222 223 224 225 226	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Loaqiing & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Weilsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Weil Unanticipated MaiExp Fishing Coil Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs		Rate	Units		\$10,000 250,000 45,000 45,000 2,100,000 195,000 20,000 15,000 150,000 35,000 75,000 5,000	\$10,000 250,000 45,000 0 0 450,000 0 2,100,000 0 195,000 0 20,000 15,000 0 652,500 0 150,000 35,000 75,000
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 220 221 222 223 224 225 225	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Gementing Svcs Logging & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Stimulath Acid Frac Formation Stevaluation Tubular Inspection Equipment Restlais Contract Labor & Services Weilsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Weil Unanticipated MaiExp Fishing Coli Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Plugging Completion Rig		Rate	Units		\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 150,000 35,000 5,000 45,000 30,000	\$10,000 250,000 45,000 0 0 45,000 0 2,100,000 0 2,100,000 0 0 0 195,000 0 20,000 15,000 0 150,000 35,000 75,000 5,000 45,000 33,000 33,000
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 220 221 222 223 224 225 225	Location & Cieanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logaina & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Stimulath Acid Frac Formation Staluation Tubular Inspection Equipment Rentals Contract Labor & Services Weilsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Weil Unanticipated MaiExp Fishing Coll Tubing Services Misc Supplies & Materials Flowback Testing Leaal & Permits Environmental & Safety Costs Plugaing		Rate	Units		\$10,000 250,000 45,000 45,000 2,100,000 195,000 20,000 15,000 5,000 45,000 30,000 45,000 30,000 45,000	\$10,000 250,000 45,000 0 0 450,000 0 2,100,000 0 195,000 0 20,000 15,000 0 15,000 0 35,000 75,000 5,000 0 30,000
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 220 221 222 223 224 225 226	Location & Cieanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logqing & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Stabulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MaiExp Fishing Coil Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Pilugqing Completion Riq Substotal		Rate	Units		\$10,000 250,000 45,000 45,000 2,100,000 195,000 80,000 20,000 15,000 35,000 35,000 45,000 30,000 45,000	\$10,000 250,000 45,000 0 0 45,000 0 2,100,000 0 2,100,000 0 2,100,000 0 0 20,000 15,000 0 15,000 35,000 75,000 45,000 0 33,000 \$4,5000 0 33,000 \$4,5000 0 \$3,000 \$4,5000 0 \$4,5000 0 \$4,5000 0 \$3,000 0 \$4,5000 0 \$4,5000 0 \$4,5000 0 \$3,000 0 \$4,5000 0 \$4,5000 0 \$4,5000 0 \$4,5000
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 220 221 222 223 224 225 226	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Gementing Svcs Logging & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulatin Acid Frac Formation Stimulatin Acid Frac Formation Stimulatin Acid Frac Formation Stimulatin Acid Frac Formation Evaluation Tubular Inspection Eguipment Rentalis Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MaiExp Fishing Coli Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Pilugqing Completion Riq SUB-TOTAL INTANGIBLE COMPLETION COSTS		Rate	Units	\$2,877,274	\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 150,000 35,000 5,000 45,000 30,000 \$4,157,500 \$4,157,500	\$10,000 250,000 45,000 0 0 0 450,000 0 0 2,100,000 0 0 195,000 0 20,000 15,000 0 652,500 0 150,000 35,000 75,000 45,000 45,000 \$4,157,500 \$44,157,500
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 220 221 222 223 224 225 226	Location & Cieanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logqing & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Staluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MaiExp Fishing Coll Tubing Services Misc Supplies & Materials Flowback Testing Lead & Permits Environmental & Safety Costs Pilugqing Completion Rig  Subtotal Subtotal Subtotal Intrangible Completion Costs Sub-Total Intrangible Completion Costs Sub-Total Intrangible Costs		Rate	Units	\$2,877,224	\$10,000 250,000 45,000 45,000 2,100,000 195,000 80,000 20,000 15,000 35,000 35,000 45,000 30,000 45,000	\$10,000 250,000 45,000 0 0 45,000 0 2,100,000 0 2,100,000 0 2,100,000 0 0 20,000 15,000 0 15,000 35,000 75,000 45,000 0 33,000 \$4,5000 0 33,000 \$4,5000 0 \$3,000 \$4,5000 0 \$4,5000 0 \$4,5000 0 \$3,000 0 \$4,5000 0 \$4,5000 0 \$4,5000 0 \$3,000 0 \$4,5000 0 \$4,5000 0 \$4,5000 0 \$4,5000
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 210 211 212 213 214 215 217 218 220 221 222 222 222 223 224 225 226 227 228	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logqing & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MaiExp Fishing Coil Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Pilugqing Completion Riq  Subtotal Subtota					\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 150,000 35,000 5,000 45,000 30,000 \$4,157,500 \$4,157,500	\$10,000 250,000 45,000 45,000 0 450,000 0 2,100,000 0 195,000 0 20,000 15,000 0 35,000 35,000 75,000 5,000 0 30,000 \$4,157,500 \$7,034,724
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 221 222 223 224 225 224 225 226 227	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Gementing Svcs Logqing & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Stimulath Acid Frac Formation Stimulath Acid Frac Formation Stevaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MajExp Fishing Coil Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Plugging Completion Rig Sub-Total Intransfible Completion Costs Sub-Total Intransfible Completion Costs  TANGIBLE DRILLING COSTS  DESCRIPTION		Rate	Units	DRYHOLE	\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 150,000 35,000 5,000 45,000 30,000 \$4,157,500 \$4,157,500	\$10,000 250,000 45,000 0 0 45,000 0 0 2,100,000 0 195,000 0 2,100,000 0 0 20,000 15,000 0 150,000 35,000 75,000 45,000 \$4,157,500 \$4,157,500 \$7,034,724
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 211 212 212 213 214 215 217 218 220 221 222 223 224 225 227 228	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logging & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Stimulath Acid Frac Formation Stevaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Overhead Unanticipated MaiExp Fishing Coli Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Plugding Completion Riq  Subrotal. Intrangible Completion Costs Sub-Total. Intrangible Completion Costs Sub-Total. Intrangible Costs TANGIBLE DRILLING COSTS DESCRIPTION Drive Pipe Conductor Casing		Rate S -	Units	DRYHOLE \$30,000	\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 150,000 35,000 5,000 45,000 30,000 \$4,157,500 \$4,157,500	\$10,000 250,000 45,000 0 0 45,000 0 2,100,000 0 195,000 0 2,100,000 0 195,000 0 20,000 15,000 0 35,000 35,000 45,000 35,000 \$4,157,500 \$4,157,500 \$7,034,724
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 221 222 223 224 225 226 227 228 229 229 227 228	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Loggling & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Sevaluation Tubular Inspection Equipment Rentals Contract Labor & Services Weilsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Weil Unanticipated MaiExp Fishing Coil Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Plugging Completion Riq  SUBTOTAL CONTINGENCY (%) SUB-TOTAL INTANGIBLE COMPLETION COSTS  TANGIBLE DRILLING COSTS  DESCRIPTION Drive Pipe Conductor Casing Surface Casing		Rate \$ - \$ -	Units 0 0	DRYHOLE \$30,000 \$65,000	\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 150,000 35,000 5,000 45,000 30,000 \$4,157,500 \$4,157,500	\$10,000 250,000 45,000 0 0 45,000 0 2,100,000 0 2,100,000 0 19,000 0 2,000 0 15,000 0 15,000 15,000 3,5,000 45,000 0 44,157,500 \$7,034,724  TOTAL WELL COST \$30,000
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 211 212 213 214 215 217 218 220 221 222 223 224 227 228 229 229 229 227 228 230 240 250 260 270 270 270 270 270 270 270 270 270 27	Location & Cieanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Gementing Svcs Logging & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Stimulath Acid Frac Formation Stevaluation Tubular Inspection Equipment Resulation Tubular Inspection Equipment Resulation Tubular Inspection Equipment Resulation Tubular Inspection Equipment Resulation Tubular Inspection Medical Supprission & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MaiExp Fishing Coli Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Plugging Completion Riq  SubTotal Intransgible Completion Costs Sub-Total Intransgible Costs  TANGIBLE DRILLING COSTS  DESCRIPTION Drive Pipe Conductor Casing Sufface Casing Intermediate Casing		Rate \$ - \$ - \$ - \$ - \$	Units 0 0 0	DRYHOLE \$30,000 \$65,000 \$140,000	\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 150,000 35,000 5,000 45,000 30,000 \$4,157,500 \$4,157,500	\$10,000 250,000 45,000 0 0 45,000 0 0 2,100,000 0 0 195,000 0 2,0,000 15,000 0 652,500 0 15,000 35,000 5,000 45,000 \$4,157,500 \$7,034,724  TOTAL WELL COST \$30,000 650,000 650,000 650,000 150,000
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 221 222 223 224 225 226 227 228 229 229 227 228	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Loggling & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Sevaluation Tubular Inspection Equipment Rentals Contract Labor & Services Weilsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Weil Unanticipated MaiExp Fishing Coil Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Plugging Completion Riq  SUBTOTAL CONTINGENCY (%) SUB-TOTAL INTANGIBLE COMPLETION COSTS  TANGIBLE DRILLING COSTS  DESCRIPTION Drive Pipe Conductor Casing Surface Casing		Rate \$ - \$ -	Units 0 0	\$30,000 \$65,000 \$140,000 \$265,000	\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 150,000 35,000 5,000 45,000 30,000 \$4,157,500 \$4,157,500	\$10,000 250,000 45,000 45,000 0 0 450,000 0 2,100,000 0 195,000 0 20,000 15,000 0 652,500 150,000 35,000 35,000 45,000 \$4,157,500 \$7,034,724  TOTAL WELL COST \$30,000 65,000 140,000 25,000 65,000 140,000
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 210 211 212 213 214 217 218 219 220 221 222 223 224 225 227 228 2299	Location & Cieanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Gementing Svcs Logaling & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Stimulath Acid Frac Formation Stimulath Acid Frac Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MajExp Fishing Coll Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Plugding Completion Riq  SUBTOTAL CONTINGENCY (%) SUB-TOTAL INTANGIBLE COMPLETION COSTS SUB-TOTAL INTANGIBLE COMPLETION COSTS SUB-TOTAL INTANGIBLE COSTS TANGIBLE DRILLING COSTS DESCRIPTION Drive Pipe Conductor Casing Surface Casing Intermediate Casing Intermediate Casing Subs Official Popol		Rate \$ - \$ - \$ - \$ - \$	Units 0 0 0	DRYHOLE \$30,000 \$65,000 \$140,000	\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 150,000 35,000 5,000 45,000 30,000 \$4,157,500 \$4,157,500	\$10,000 250,000 45,000 0 0 45,000 0 0 2,100,000 0 195,000 0 2,100,000 0 20,000 15,000 0 150,000 35,000 45,000 35,000 45,000 \$4,157,500 \$7,004 \$7,034,724  TOTAL WELL COST \$30,000 140,000 255,000 140,000
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 210 211 213 214 215 216 227 220 221 222 223 224 225 225 227 228 229 229 227 228 229 227 228 229 229 229 229 220 220 220 220 220 220	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Gementing Svcs Loggling & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MaiExp Fishing Coil Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Pluggling Completion Rig Sub-Total Intransible Completion Costs Sub-Total Intransible Completion Costs  TANGIBLE DRILLING COSTS  DESCRIPTION Drive Pipe Conductor Casing Surface Casing Intermediate Casing Intermediate Casing Intermediate Casing Sub Sufface Casing		Rate \$ - \$ - \$ - \$ - \$	Units 0 0 0	\$30,000 \$65,000 \$140,000 \$265,000	\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 150,000 35,000 5,000 45,000 30,000 \$4,157,500 \$4,157,500	\$10,000 250,000 45,000 0 0 45,000 0 0 2,100,000 0 0 195,000 0 0 20,000 15,000 0 15,000 35,000 5,000 45,157,500 \$4,157,500 \$7,034,724  TOTAL WELL COST \$30,000 140,000 65,000 140,000 66,000
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 210 211 212 213 214 217 218 219 220 221 222 223 224 225 227 228 2299	Location & Cieanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Gementing Svcs Logaling & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Stimulath Acid Frac Formation Stimulath Acid Frac Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MajExp Fishing Coll Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Plugding Completion Riq  SUBTOTAL CONTINGENCY (%) SUB-TOTAL INTANGIBLE COMPLETION COSTS SUB-TOTAL INTANGIBLE COMPLETION COSTS SUB-TOTAL INTANGIBLE COSTS TANGIBLE DRILLING COSTS DESCRIPTION Drive Pipe Conductor Casing Surface Casing Intermediate Casing Intermediate Casing Subs Official Popol		Rate \$ - \$ - \$ - \$ - \$	Units 0 0 0	\$30,000 \$65,000 \$140,000 \$265,000	\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 150,000 35,000 5,000 45,000 30,000 \$4,157,500 \$4,157,500	\$10,000 250,000 45,000 0 0 45,000 0 0 2,100,000 0 0 195,000 0 0 20,000 15,000 0 15,000 35,000 5,000 45,157,500 \$4,157,500 \$7,034,724  TOTAL WELL COST \$30,000 140,000 65,000 140,000 66,000
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 210 211 213 214 215 216 227 220 221 222 223 224 225 225 227 228 229 229 227 228 229 227 228 229 229 229 229 220 220 220 220 220 220	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Gementing Svcs Loggling & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MaiExp Fishing Coil Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Pluggling Completion Rig Sub-Total Intransible Completion Costs Sub-Total Intransible Completion Costs  TANGIBLE DRILLING COSTS  DESCRIPTION Drive Pipe Conductor Casing Surface Casing Intermediate Casing Intermediate Casing Intermediate Casing Sub Sufface Casing		Rate \$ - \$ - \$ - \$ - \$	Units 0 0 0	\$30,000 \$65,000 \$140,000 \$265,000	\$10,000 250,000 45,000 45,000 2,100,000 2,100,000 195,000 20,000 15,000 150,000 35,000 5,000 45,000 30,000 \$4,157,500 \$4,157,500	\$10,000 250,000 45,000 45,000 0 0 450,000 0 2,100,000 0 195,000 0 20,000 15,000 0 652,500 150,000 35,000 35,000 45,000 \$4,157,500 \$7,034,724  TOTAL WELL COST \$30,000 65,000 140,000 25,000 65,000 140,000

		TANGIBLE COMPLETION COSTS						
ACC	т.	DESCRIPTION		Rate	Units		COMPLETION	TOTAL WELL COST
				Kate	0		340,000	\$340,000
309	401	Production Casing	\$				60,000	60,000
309	402	Tubing	\$		0			50,000
09	403	Subs Fit Egpt Centralizers Etc			-		50,000	
109	404	Sub Surface Equipment			-		30,000	30,00
309	405	Xmas Tree Upper Section					60,000	60,00
8309	406	Outside Operated Other						
								45.55.55
		SUB-TOTAL TANGIBLE COMPLETION COSTS					\$540,000	\$540,000
		SUB-TOTAL TANGIBLE COSTS				\$600,000	\$540,000	\$1,140,000
		SUB-TOTAL INTANGIBLE & TANGIBLE COSTS				\$3,477,224	\$4,697,500	\$8,174,724
_		PRODUCTION EQUIPMENT COSTS				44/11/	+1,000,000	
_							COMPLETION	TOTAL WELL COST
311	501	Artificial Lift Equipment					45,000	\$45,00
311	502	Prime Mover Electric Gas						
311	503	Sales Gathering Line						A STATE OF THE PARTY OF THE PAR
311	504	Separation Equipment					70,000	70.00
311	505	Oil Treating Heating Equipment						
	-	Gas Treating Dehy Equipment				BOOK TO SEE SEE SEE SEE SEED TO SEE SEEDS		
311	506						160,000	160,00
311	507	Tanks					55,000	55,00
311	508	Meters					33,000	20,00
311	509	Electrical Equip Install					20,000	20,00
311	510	Compressor					50.000	50.00
311	511	Flowlines					50,000	50,00
311	512	Labor					145,000	145,00
311	513	Trucks Hauling Transportation					10,000	10,00
311	514	Buildings						
311	515	Roads & Locations					40,000	40,00
311	516	Manifolds & Headers					15,000	15,00
311	517	Chemical Injection System						
311	518	Piping & Valves				Children Committee Committ	50,000	50,00
311	519	Welding						
311	520	Surface Pumps					5,000	5,00
311	521	Filters						
311	522	Outside Operated Other						THE RESIDENCE OF THE PARTY OF T
		Environmental & Safety					10,000	10,00
311	523						30,000	30,00
311	524	Engineering Supervision					40,000	40,00
3311	525	Surface Facilities					40,000	40,00
								4848.00
		SUB-TOTAL PRODUCTION EQUIPMENT					\$745,000	\$745,00
		SUB-TOTAL INTANGIBLE COSTS (PAGE 1)				\$2,877,224	\$4,157,500	\$7,034,7
		SUB-TOTAL TANGIBLE COSTS (PAGE 2)				\$600,000	\$540,000	\$1,140,00
		GRAND T	OTAL CONTRACTOR			\$3,477,224	\$5,442,500	\$8,919,7
		LESS OU	TSIDE INTERESTS			\$3,477,224	\$5,442,500	\$8,919,7
		TOTAL N	ET COSTS			\$0	\$0	
		erator: Costs shown on this form are estimates only. No n will be required to perform the proposed operation.	properators should not	consider	these estimate	es as establishing any limit	,	
REPAR	ED BY		DATE			CROSS AST ANOUNT CONTROL		\$3,477,2
EPAR	LU BY	1				GROSS AFE AMOUNT - DRY HOLE		
						NET DRYHOLE AFE AMOUNT		
PROV	ED		DATE			NET ASSET TRANSFERS		
						CASH OUTLAY THIS AFE		
			DATE:					
PPROV	ED	DATE		PREVIOUS AFE'S ISSUED				
						TOTAL CASH OUTLAY		
PPROV	ED		DATE					
		WORKING INTEREST APPROVAL						
		COMPANY WORKING INTE	REST			APPROVED BY		DATE
						711.110.110		57172

## ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE (AFE)

COST CENTE	R Big Moose Fed Com 604H		BUD YEAR	2019	DATE	October 8, 2019	
AFE NO.			CATEGORY	D&C	SUPPLEMENT NO.		
FIELD	Hat Mesa	REGION	Delaware	Basin	LEGAL:	21S 32E	
OPERATOR	Ascent Energy, LLC	WELL NO.	604H		W.I.		
OBJECTIVE	3rd Bone Spring	STATE	NM		MD/TVD	+/-18,360'/11,500'	
ESTIMATED	PROJECT START DATE: 4Q2019						
DESCRIPTIO	N: Drill a 5900' lateral in the 3rd Bone Spring a	nd frac with 39 star	ges. Assumes 4	string design	Frac with slickwater in 45 stages.		
	INTANGIBLE DRILLING COS	TS					
ACCT.	DESCRIPTION		Rate	Units	DRYHOLE		TOTAL WELL COST
8305 10					\$70,000		\$70,000
8305 10					\$75,000		75,000
8305 10					\$672,000		672,000
8305 10 8305 10					\$170,000		170,000
8305 10					\$90,000		90,000
8305 10	Bits, Reamer, Stabilizers				\$100,000		100,000
8305 10					\$300,000		300,000
8305 10 8305 11					\$48,000		48,000
8305 11					\$70,000		70,000
8305 11					\$255,000		255,000
8305 11		Sampling			terminal party state of the state of		0
8305 11					\$45,000		45,000
8305 11 8305 11					\$325,000 \$100,000		325,000 100,000
8305 11					\$126,000		126,000
8305 11							0
8305 12					\$50,000		50,000
8305 12					\$75,000		75,000 35,022
8305 12 8305 12			_		\$35,022 \$25,000		25,000
8305 12					\$25,000		25,000
8305 12							0
8305 12					\$50,000		50,000
8305 12 8305 12					\$10,000		10,000
8305 12					\$20,000		20,000
8305 13							0
-	SUBTOTAL				\$2,736,022		\$2,736,022
8305 19					273,602		273,602
	SUB-TOTAL INTANGIBLE DRILLING COSTS				\$3,009,624		\$3,009,624
	TRITANCIDI E COMPLETIONI CO	OCTC					
1007	INTANGIBLE COMPLETION CO	OSTS		1			
ACCT.	DESCRIPTION	OSTS	Rate	Units		COMPLETION	TOTAL WELL COST
8306 20	DESCRIPTION  1 Location & Cleanup	OSTS	Rate	Units		\$10,000	\$10,000
8306 20 8306 20	DESCRIPTION  1 Location & Cleanup  12 Power & Fuel	OSTS	Rate	Units		\$10,000 250,000	\$10,000 250,000
8306 20	DESCRIPTION  1 Location & Cleanup  12 Power & Fuel  23 Compl Fluids & Chemicals  44 Bits, Reamer, Stabilizers	OSTS	Rate	Units		\$10,000	\$10,000 250,000 45,000
8306 20 8306 20 8306 20 8306 20 8306 20	DESCRIPTION  1 Location & Cleanup  12 Power & Fuel  13 Compl Fluids & Chemicals  14 Bits, Reamer, Stabilizers  15 Cement & Cementing Svcs	OSTS	Rate	Units		\$10,000 250,000 45,000	\$10,000 250,000 45,000 0
8306 20 8306 20 8306 20 8306 20 8306 20 8306 20	DESCRIPTION  Location & Cleanup  Power & Fuel  Pluds & Chemicals  Bits, Reamer, Stabilizers  Cement & Cementing Svcs  Logging & Perforation Svcs	OSTS	Rate	Units		\$10,000 250,000	\$10,000 250,000 45,000 0 0 475,000
8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20	DESCRIPTION  1 Location & Cleanup  12 Power & Fuel  13 Compl Fluids & Chemicals  14 Bits, Reamer, Stabilizers  15 Cement & Cementing Svcs  16 Logging & Perforation Svcs  17 Csq Crews & Tools-Drive Hammer	OSTS	Rate	Units		\$10,000 250,000 45,000	\$10,000 250,000 45,000 0 0 475,000
8306 20 8306 20 8306 20 8306 20 8306 20 8306 20	DESCRIPTION  Location & Cleanup  Power & Fuel  Bits, Reamer, Stabilizers  Cement & Cementing Svcs  Logging & Perforation Svcs  Logging & Perforation Svcs  Company Company  Company Company  Company Company  Comp	OSTS	Rate	Units		\$10,000 250,000 45,000	\$10,000 250,000 45,000 0 0 475,000
8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20	DESCRIPTION  1 Location & Cleanup  12 Power & Fuel  13 Compl Fluids & Chemicals  14 Bits, Reamer, Stabilizers  15 Cement & Cementing Svcs  16 Logging & Perforation Svcs  17 Csg Crews & Tools-Drive Hammer  18 Directional Tools & Svcs  19 Formation Stimulatn Acid Frac  10 Formation Evaluation	OSTS	Rate	Units		\$10,000 250,000 45,000 475,000	\$10,000 250,000 45,000 0 0 475,000 0 2,150,000
8306 20 8306 20	DESCRIPTION  1 Location & Cleanup  12 Power & Fuel  13 Compl Fluids & Chemicals  14 Bits, Reamer, Stabilizers  15 Cement & Cementing Svcs  16 Logging & Perforation Svcs  17 Csg Crews & Tools-Drive Hammer  18 Directional Tools & Svcs  19 Formation Stimulath Acid Frac  10 Formation Evaluation  1 Tubular Inspection	OSTS	Rate	Units		\$10,000 250,000 45,000 475,000 2,150,000	\$10,000 250,000 45,000 0 0 475,000 0 2,150,000 0
8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 21 8306 21	DESCRIPTION  Location & Cleanup  Dower & Fuel  Power & Fuel  Coment & Cementing Svos  Logqing & Perforation Svos  Cosp Crews & Tools-Drive Hammer  Directional Tools & Svos  Formation Stimulatn Acid Frac  Formation Evaluation  Tubular Inspection  Equipment Rentals	OSTS	Rate	Units		\$10,000 250,000 45,000 475,000	\$10,000 250,000 45,000 0 0 475,000 0 2,150,000 0 0 2,250,000
8306 20 8306 20	DESCRIPTION  1 Location & Cleanup  20 Power & Fuel  31 Compl Fluids & Chemicals  41 Bits, Reamer, Stabilizers  42 Cement & Cementing Svcs  43 Logging & Perforation Svcs  44 Sits, Reamer & Cementing Svcs  45 Ceg Crews & Tools-Drive Hammer  46 Directional Tools & Svcs  47 Pormation Stimulatn Acid Frac  48 Directional Tools & Svcs  49 Formation Stimulatn Acid Frac  40 Formation Evaluation  41 Tubular Inspection  42 Equipment Rentals  43 Contract Labor & Services	OSTS	Rate	Units		\$10,000 250,000 45,000 475,000 2,150,000	\$10,000 250,000 45,000 0 0 475,000 0 2,150,000 0 205,000
8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 21 8306 21 8306 21 8306 21 8306 21	DESCRIPTION  1 Location & Cleanup  20 Power & Fuel  31 Comple Fluids & Chemicals  44 Bits, Reamer, Stabilizers  45 Cement & Cementing Svcs  46 Logqing & Perforation Svcs  47 Csq Crews & Tools-Drive Hammer  48 Directional Tools & Svcs  49 Formation Tevaluation  40 Towns of Tools & Tools  40 Formation Evaluation  41 Tubular Inspection  42 Equipment Rentals  43 Contract Labor & Services  44 Wellsite Consultant  55 Company Supervision & Labor	OSTS	Rate	Units		\$10,000 250,000 45,000 475,000 2,150,000 205,000 85,000	\$10,000 250,000 45,000 0 0 475,000 0 2,150,000 0 205,000 0 85,000
8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 21 8306 21 8306 21 8306 21 8306 21 8306 21	DESCRIPTION  1 Location & Cleanup  20 Power & Fuel  31 Compl Fluids & Chemicals  41 Bits, Reamer, Stabilizers  42 Cement & Cementing Svcs  43 Logging & Perforation Svcs  44 Csg Crews & Tools-Drive Hammer  45 Directional Tools & Svcs  46 Pormation Stimulatn Acid Frac  47 Formation Evaluation  48 Directional Tools & Svcs  49 Formation Evaluation  40 Formation Evaluation  40 Equipment Rentals  41 Contract Labor & Services  42 Wellsite Consultant  43 Company Supervision & Labor  44 Transportation	OSTS	Rate	Units		\$10,000 250,000 45,000 475,000 2,150,000 205,000 85,000 20,000	\$10,000 250,000 45,000 0 0 475,000 0 2,150,000 0 205,000 0 85,000 0 20,000
8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 21 8306 21 8306 21 8306 21 8306 21 8306 21 8306 21 8306 21	DESCRIPTION  1. Location & Cleanup  2. Power & Fuel  3. Comple Fluids & Chemicals  4. Bits, Reamer, Stabilizers  5. Cement & Cementing Svcs  6. Logging & Perforation Svcs  7. Csq Crews & Tools-Drive Hammer  8. Directional Tools & Svcs  9. Formation Stimulath Acid Frac  10. Formation Evaluation  1. Tubular Inspection  1. Tubular Inspection  1. Equipment Rentals  3. Wellsite Consultant  5. Company Supervision & Labor  6. Transportation  7. Mud Cuttings & Water Disposal	OSTS	Rate	Units		\$10,000 250,000 45,000 475,000 2,150,000 205,000 85,000	\$10,000 250,000 45,000 0 0 475,000 0 2,150,000 0 205,000 0 85,000 0 20,000 15,000
8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 21 8306 21 8306 21 8306 21 8306 21 8306 21	DESCRIPTION  1 Location & Cleanup  20 Power & Fuel  31 Comple Fluids & Chemicals  43 Bits, Reamer, Stabilizers  45 Cement & Cementing Svcs  46 Logqing & Perforation Svcs  47 Csg Crews & Tools-Drive Hammer  48 Directional Tools & Svcs  49 Formation Stimulatn Acid Frac  40 Formation Evaluation  41 Tubular Inspection  42 Equipment Rentals  43 Contract Labor & Services  44 Wellsite Consultant  45 Company Supervision & Labor  46 Transportation  47 Mud Cuttings & Water Disposal  48 Insurance	OSTS	Rate	Units		\$10,000 250,000 45,000 475,000 2,150,000 205,000 85,000 20,000	\$10,000 250,000 45,000 0 0 475,000 0 2,150,000 0 2,150,000 0 205,000 0 205,000 0 20,000 15,000
8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         23           8306         21           8306         23           8306         23           8306         23           8306         23           8306         22           8306         23           8306	DESCRIPTION  1. Location & Cleanup  2. Power & Fuel  3. Comple Fluids & Chemicals  4. Bits, Reamer, Stabilizers  5. Logqing & Perforation Svcs  6. Logqing & Perforation Svcs  7. Csq Crews & Tools-Drive Hammer  8. Directional Tools & Svcs  9. Formation Stimulatn Acid Frac  10. Formation Evaluation  1. Tubular Inspection  1. Tubular Inspection  2. Equipment Rentals  3. Contract Labor & Services  4. Wellsite Consultant  5. Company Supervision & Labor  6. Transportation  7. Mud Cuttings & Water Disposal  1. Insurance  9. Overhead  10. Water & Water Well	OSTS	Rate	Units		\$10,000 250,000 45,000 475,000 2,150,000 205,000 85,000 20,000	\$10,000 250,000 45,000 0 0 475,000 0 2,150,000 0 205,000 0 85,000 0 20,000 15,000
8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         22           8306         22           8306         22           8306         23           8306         22	DESCRIPTION  1 Location & Cleanup  20 Power & Fuel  31 Comple Fluids & Chemicals  4 Bits, Reamer, Stabilizers  45 Cement & Cementing Svcs  50 Logqing & Perforation Svcs  50 Csg Crews & Tools-Drive Hammer  50 Irectional Tools & Svcs  50 Formation Stimulatn Acid Frac  51 Formation Stimulatn Acid Frac  52 Equipment Rentals  53 Contract Labor & Services  54 Wellsite Consultant  55 Company Supervision & Labor  56 Transportation  57 Mud Cuttings & Water Disposal  58 Insurance  59 Overhead  50 Water & Water Well  50 Umanticipated MajExp Fishing	OSTS	Rate	Units		\$10,000 250,000 45,000 475,000 2,150,000 205,000 85,000 20,000 15,000	\$10,000 250,000 45,000 0 0 475,000 0 2,150,000 0 2,150,000 0 205,000 0 85,000 20,000 15,000 0 0 652,500
8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         22           8306         23           8306         21           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22	DESCRIPTION  1. Location & Cleanup  2. Power & Fuel  3. Comple Fluids & Chemicals  4. Bits, Reamer, Stabilizers  5. Cement & Cementing Svcs  6. Logging & Perforation Svcs  7. Csg Crews & Tools-Drive Hammer  8. Directional Tools & Svcs  9. Formation Stimulath Acid Frac  10. Formation Evaluation  1. Tubular Inspection  1. Tubular Inspection  2. Equipment Rentals  3. Contract Labor & Services  4. Wellsite Consultant  5. Company Supervision & Labor  6. Transportation  7. Mud Cuttings & Water Disposal  8. Insurance  9. Overhead  9. Water & Water Well  10. Water & Water Well  10. Unanticipated MajExp Fishing  12. Coli Tubing Services	OSTS	Rate	Units		\$10,000 250,000 45,000 475,000 2,150,000 205,000 85,000 20,000 15,000 652,500	\$10,000 250,000 45,000 0 0 475,000 0 2,150,000 0 205,000 0 205,000 0 20,000 15,000 0 0 652,500 0 165,000
8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         22           8306         23           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22	DESCRIPTION  1 Location & Cleanup  20 Power & Fuel  31 Comple Fluids & Chemicals  44 Bits, Reamer, Stabilizers  55 Cement & Cementing Svcs  56 Logqing & Perforation Svcs  57 Csq Crews & Tools-Drive Hammer  58 Directional Tools & Svcs  59 Formation Tools & Svcs  50 Permation Stimulatn Acid Frac  50 Formation Evaluation  51 Tubular Inspection  52 Equipment Rentals  53 Contract Labor & Services  54 Wellsite Consultant  55 Company Supervision & Labor  56 Transportation  57 Mud Cuttings & Water Disposal  58 Insurance  59 Overhead  50 Water & Water Well  50 Unanticipated MajExp Fishing  51 Coli Tubing Services  52 Misc Supplies & Materials	OSTS	Rate	Units		\$10,000 250,000 45,000 475,000 2,150,000 205,000 85,000 20,000 15,000 652,500 165,000 35,000	\$10,000 250,000 45,000 0 0 475,000 0 2,150,000 0 2,150,000 0 205,000 0 205,000 0 20,000 0 0 20,000 0 15,000 0 0 15,000 0 35,000 35,000
8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         22           8306         23           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22	DESCRIPTION  1 Location & Cleanup  20 Power & Fuel  31 Comple Fluids & Chemicals  4 Bits, Reamer, Stabilizers  45 Cement & Cementing Svcs  50 Logqing & Perforation Svcs  50 Csg Crews & Tools-Drive Hammer  510 Directional Tools & Svcs  511 Pormation Stimulatn Acid Frac  512 Formation Stimulatn Acid Frac  513 Contract Labor & Services  514 Wellsite Consultant  515 Company Supervision & Labor  516 Transportation  517 Mud Cuttings & Water Disposal  518 Insurance  519 Overhead  520 Water & Water Well  530 Unanticipated MajExp Fishing  531 Coll Tubing Services  540 Misc Supplies & Materials  551 Coll Tubing Services	OSTS	Rate	Units		\$10,000 250,000 45,000 475,000 2,150,000 205,000 85,000 15,000 165,000 35,000 85,000	\$10,000 250,000 45,000 45,000 0 0 475,000 0 2,150,000 0 205,000 0 85,000 15,000 0 652,500 165,000 35,000 85,000
8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         22           8306         23           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306	DESCRIPTION  1 Location & Cleanup  20 Power & Fuel  31 Comple Fluids & Chemicals  44 Bits, Reamer, Stabilizers  55 Cement & Cementing Svcs  56 Logqing & Perforation Svcs  57 Csq Crews & Tools-Drive Hammer  58 Directional Tools & Svcs  59 Formation Stimulath Acid Frac  50 Formation Evaluation  51 Tubular Inspection  52 Equipment Rentals  53 Contract Labor & Services  54 Wellsite Consultant  55 Company Supervision & Labor  56 Transportation  57 Mud Cuttings & Water Disposal  58 Insurance  59 Overhead  50 Water & Water Well  50 Unanticipated MajExp Fishing  51 Coil Tubing Services  52 Misc Supplies & Materials  53 Misc Supplies & Materials  54 Flowback Testing  55 Legal & Permits  56 Environmental & Safety Costs	OSTS	Rate	Units		\$10,000 250,000 45,000 475,000 2,150,000 205,000 85,000 20,000 15,000 652,500 165,000 35,000	\$10,000 250,000 45,000 0 0 475,000 0 2,150,000 0 2,150,000 0 205,000 0 205,000 0 20,000 0 0 20,000 0 15,000 0 0 15,000 0 35,000 35,000
8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         22           8306         23           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306	DESCRIPTION  1 Location & Cleanup  20 Power & Fuel  31 Comple Fluids & Chemicals  4 Bits, Reamer, Stabilizers  55 Cement & Cementing Svcs  65 Logging & Perforation Svcs  67 Csg Crews & Tools-Drive Hammer  88 Pormation Stimulatn Acid Frac  10 Formation Stimulatn Acid Frac  11 Tubular Inspection  12 Equipment Rentals  13 Contract Labor & Services  14 Wellsite Consultant  15 Company Supervision & Labor  16 Transportation  17 Mud Cuttings & Water Disposal  18 Insurance  19 Overhead  10 Water & Water Well  21 Unanticipated MajExp Fishing  22 Coil Tubing Services  23 Misc Supplies & Materials  25 Legal & Permits  26 Environmental & Safety Costs  26 Plugging  27 Plugging	OSTS	Rate	Units		\$10,000 250,000 45,000 475,000 2,150,000 205,000 85,000 15,000 35,000 85,000 85,000 40,000	\$10,000 250,000 45,000 0 0 475,000 0 2,150,000 0 2,150,000 0 205,000 0 205,000 15,000 0 15,000 0 652,500 165,000 35,000 35,000 40,000
8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         22           8306         23           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306	DESCRIPTION  1 Location & Cleanup  20 Power & Fuel  31 Comple Fluids & Chemicals  4 Bits, Reamer, Stabilizers  55 Cement & Cementing Svcs  65 Logqing & Perforation Svcs  67 Csg Crews & Tools-Drive Hammer  88 Pormation Stimulatn Acid Frac  10 Formation Stimulatn Acid Frac  11 Tubular Inspection  12 Equipment Rentals  13 Contract Labor & Services  14 Wellsite Consultant  15 Company Supervision & Labor  16 Transportation  17 Mud Cuttings & Water Disposal  18 Insurance  19 Overhead  10 Water & Water Well  10 Unanticipated MajExp Fishing  11 Coll Tubing Services  12 Misc Supplies & Materials  13 Misc Supplies & Materials  14 Flowback Testing  15 Legal & Permits  15 Equipment & Safety Costs  17 Plugging	OSTS	Rate	Units		\$10,000 250,000 45,000 475,000 2,150,000 85,000 20,000 15,000 165,000 35,000 85,000 85,000	\$10,000 250,000 45,000 0 0 475,000 0 2,150,000 0 2,150,000 0 205,000 0 205,000 0 205,000 0 15,000 0 0 15,000 0 35,000 35,000 85,000 35,000 40,000
8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         22           8306         23           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306	DESCRIPTION  1 Location & Cleanup  20 Power & Fuel  31 Comple Fluids & Chemicals  4 Bits, Reamer, Stabilizers  55 Cement & Cementing Svcs  65 Logging & Perforation Svcs  67 Csg Crews & Tools-Drive Hammer  88 Pormation Stimulatn Acid Frac  10 Formation Stimulatn Acid Frac  11 Tubular Inspection  12 Equipment Rentals  13 Contract Labor & Services  14 Wellsite Consultant  15 Company Supervision & Labor  16 Transportation  17 Mud Cuttings & Water Disposal  18 Insurance  19 Overhead  10 Water & Water Well  21 Unanticipated MajExp Fishing  22 Coil Tubing Services  23 Misc Supplies & Materials  25 Legal & Permits  26 Environmental & Safety Costs  26 Plugging  27 Plugging	OSTS	Rate	Units		\$10,000 250,000 45,000 475,000 2,150,000 85,000 20,000 15,000 165,000 35,000 85,000 40,000	\$10,000 250,000 45,000 0 0 475,000 0 0 2,150,000 0 0 205,000 0 85,000 15,000 0 0 652,500 0 165,000 35,000 85,000 330,000
8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         22           8306         23           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306	DESCRIPTION  Location & Cleanup  Power & Fuel  Power & Fuel  Superior of Company  Location & Cleanup  Directions  Logqing & Perforation Svcs  Logqing & Perforation Svcs  Cement & Cementing Svcs  Logqing & Perforation Svcs  Formation Symmetry  Directional Tools & Svcs  Formation Evaluation  Tubular Inspection  Equipment Rentals  Contract Labor & Services  Wellsite Consultant  Company Supervision & Labor  Transportation  Mud Cuttings & Water Disposal  Insurance  Well Site Water Well  Unanticipated MajExp Fishing  Coil Tubing Services  Misc Supplies & Materials  Fivinonmental & Safety Costs  Plugging  Completion Rig  Completion Rig  Completion Rig	OSTS	Rate	Units		\$10,000 250,000 45,000 475,000 2,150,000 205,000 85,000 15,000 35,000 85,000 85,000 40,000	\$10,000 250,000 45,000 0 0 475,000 0 2,150,000 0 2,150,000 0 205,000 0 205,000 15,000 0 15,000 0 652,500 165,000 35,000 35,000 40,000
8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 21 8306 21 8306 21 8306 21 8306 21 8306 21 8306 21 8306 21 8306 22 8306 22 8306 22 8306 22 8306 22 8306 22 8306 22 8306 22 8306 22 8306 22	DESCRIPTION  1 Location & Cleanup  20 Power & Fuel  31 Comple Fluids & Chemicals  44 Bits, Reamer, Stabilizers  55 Cement & Cementing Svcs  56 Logqing & Perforation Svcs  57 Csq Crews & Tools-Drive Hammer  58 Directional Tools & Svcs  59 Formation Stimulatn Acid Frac  50 Formation Evaluation  51 Tubular Inspection  52 Equipment Rentals  53 Contract Labor & Services  54 Wellsite Consultant  55 Company Supervision & Labor  66 Transportation  77 Mud Cuttings & Water Disposal  88 Insurance  90 Overhead  90 Water & Water Well  101 Unanticipated MajExp Fishing  102 Coil Tubular Services  103 Misc Supplies & Materials  104 Flowback Testing  105 Legal & Permits  106 Environmental & Safety Costs  107 Plugging  108 Completion Rig  109 Control Rig  109 Control Rig  109 Control Rig  109 Control Rig  109 Legal & Permits  109 Control Rig  100 Control Rig  10		Rate	Units		\$10,000 250,000 45,000 475,000 2,150,000 205,000 85,000 20,000 15,000 35,000 40,000 30,000 \$4,267,500	\$10,000 250,000 45,000 45,000 0 0 475,000 0 2,150,000 0 2,150,000 0 85,000 15,000 0 652,500 165,000 35,000 40,000 30,000 \$4,267,500
8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 21 8306 21 8306 21 8306 21 8306 21 8306 21 8306 21 8306 21 8306 22 8306 22 8306 22 8306 22 8306 22 8306 22 8306 22 8306 22 8306 22 8306 22	DESCRIPTION  1 Location & Cleanup  20 Power & Fuel  31 Comple Fluids & Chemicals  44 Bits, Reamer, Stabilizers  55 Cement & Cementing Svos  56 Logqing & Perforation Svos  57 Csq Crews & Tools-Drive Hammer  58 Directional Tools & Svos  59 Formation Stimulatn Acid Frac  50 Formation Evaluation  1 Tubular Inspection  12 Equipment Rentals  13 Contract Labor & Services  14 Wellsite Consultant  15 Company Supervision & Labor  17 mud Cuttings & Water Disposal  18 Insurance  19 Overhead  10 Water & Water Well  20 Unanticipated MajExp Fishing  21 Coil Tubing Services  23 Miss Supplies & Materials  25 Legal & Permits  26 Environmental & Safety Costs  27 Plugging  28 Completion Rig  29 Contribuctor  20 Contribuctor  20 Contribuctor  21 Supervices  22 Coil Tubing Services  23 Miss Supplies & Materials  24 Flowback Testing  25 Legal & Permits  26 Environmental & Safety Costs  27 Plugging  28 Completion Rig  29 Sub-Total Intangible Completion Costs  50 Sub-Total Intangible Costs		Rate	Units	\$3,009,624	\$10,000 250,000 45,000 475,000 2,150,000 205,000 85,000 20,000 15,000 35,000 85,000 40,000 30,000 \$4,267,500 213,375	\$10,000 250,000 45,000 0 475,000 0 2,150,000 0 2,150,000 0 205,000 0 85,000 15,000 0 652,500 0 165,000 35,000 85,000 35,000 35,000 85,000 35,000 \$44,000 0 30,000 \$44,267,500 213,375
8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 21 8306 21 8306 21 8306 21 8306 21 8306 21 8306 21 8306 21 8306 22 8306 22 8306 22 8306 22 8306 22 8306 22 8306 22 8306 22 8306 22 8306 22	DESCRIPTION  1 Location & Cleanup  20 Power & Fuel  31 Comple Fluids & Chemicals  44 Bits, Reamer, Stabilizers  55 Cement & Cementing Svcs  56 Logqing & Perforation Svcs  57 Csq Crews & Tools-Drive Hammer  58 Directional Tools & Svcs  59 Formation Stimulatn Acid Frac  50 Formation Evaluation  51 Tubular Inspection  52 Equipment Rentals  53 Contract Labor & Services  54 Wellsite Consultant  55 Company Supervision & Labor  66 Transportation  77 Mud Cuttings & Water Disposal  88 Insurance  90 Overhead  90 Water & Water Well  101 Unanticipated MajExp Fishing  102 Coil Tubular Services  103 Misc Supplies & Materials  104 Flowback Testing  105 Legal & Permits  106 Environmental & Safety Costs  107 Plugging  108 Completion Rig  109 Control Rig  109 Control Rig  109 Control Rig  109 Control Rig  109 Legal & Permits  109 Control Rig  100 Control Rig  10		Rate	Units		\$10,000 250,000 45,000 475,000 2,150,000 205,000 85,000 165,000 35,000 85,000 40,000 30,000 \$4,267,500 213,375 \$4,480,875	\$10,000 250,000 45,000 45,000 0 0 475,000 0 2,150,000 0 205,000 0 205,000 0 205,000 0 20,000 0 15,000 0 652,500 0 165,000 35,000 85,000 35,000 \$35,000 \$40,000 0 330,000 \$44,267,500 213,375 \$44,480,875
8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 21 8306 21 8306 21 8306 21 8306 21 8306 21 8306 21 8306 21 8306 22 8306 22 8306 22 8306 22 8306 22 8306 22 8306 22 8306 22 8306 22 8306 22	DESCRIPTION  1 Location & Cleanup  20 Power & Fuel  31 Comple Fluids & Chemicals  44 Bits, Reamer, Stabilizers  55 Cement & Cementing Svos  56 Logqing & Perforation Svos  57 Csq Crews & Tools-Drive Hammer  58 Directional Tools & Svos  59 Formation Stimulatn Acid Frac  50 Formation Evaluation  1 Tubular Inspection  12 Equipment Rentals  13 Contract Labor & Services  14 Wellsite Consultant  15 Company Supervision & Labor  17 mud Cuttings & Water Disposal  18 Insurance  19 Overhead  10 Water & Water Well  20 Unanticipated MajExp Fishing  21 Coil Tubing Services  23 Miss Supplies & Materials  25 Legal & Permits  26 Environmental & Safety Costs  27 Plugging  28 Completion Rig  29 Contribuctor  20 Contribuctor  20 Contribuctor  21 Supervices  22 Coil Tubing Services  23 Miss Supplies & Materials  24 Flowback Testing  25 Legal & Permits  26 Environmental & Safety Costs  27 Plugging  28 Completion Rig  29 Sub-Total Intangible Completion Costs  50 Sub-Total Intangible Costs		Rate	Units		\$10,000 250,000 45,000 475,000 2,150,000 205,000 85,000 165,000 35,000 85,000 40,000 30,000 \$4,267,500 213,375 \$4,480,875	\$10,000 250,000 45,000 45,000 0 0 475,000 0 2,150,000 0 205,000 0 205,000 0 205,000 0 20,000 0 15,000 0 652,500 0 165,000 35,000 85,000 35,000 \$35,000 \$40,000 0 330,000 \$44,267,500 213,375 \$44,480,875
8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         20           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         21           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         22           8306         23           8306         22           8306         22           8306         23           8306         23           8306         23           8306	DESCRIPTION  Location & Cleanup Power & Fuel Power & Fuel Company Superior Formation Evolution Discovering Superior Discovering Superio				\$3,009,624	\$10,000 250,000 45,000 475,000 2,150,000 205,000 85,000 165,000 35,000 85,000 40,000 30,000 \$4,267,500 213,375 \$4,480,875	\$10,000 250,000 45,000 475,000 0 0 475,000 0 0 2,150,000 0 205,000 0 85,000 15,000 0 652,500 165,000 35,000 85,000 \$35,000 \$40,000 \$30,000 \$44,267,500 213,375 \$4,480,875 \$7,490,499
8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 21 8306 21 8306 21 8306 21 8306 21 8306 21 8306 21 8306 21 8306 22 8306 23 8306 22 8306 23 8306 23 8306 24 8306 25 8306 26 8306 27 8306 28 8306 29 8306 30 8306 30 830	DESCRIPTION  1 Location & Cleanup  20 Power & Fuel  31 Comple Fluids & Chemicals  44 Bits, Reamer, Stabilizers  55 Cement & Cementing Svcs  66 Logqing & Perforation Svcs  67 Csq Crews & Tools-Drive Hammer  80 Directional Tools & Svcs  99 Formation Stimulath Acid Frac  10 Formation Evaluation  11 Tubular Inspection  12 Equipment Rentals  13 Contract Labor & Services  14 Wellsite Consultant  15 Company Supervision & Labor  16 Transportation  17 Mud Cuttings & Water Disposal  18 Insurance  19 Overhead  10 Water & Water Well  10 Unanticipated MajExp Fishing  10 Coll Tubing Services  13 Misc Supplies & Materials  15 Legal & Permits  16 Filowback Testing  17 Plugging  18 Completion Rig  19 Contract Labor  10 Supplies & Materials  10 Logging  10 Completion Rig  11 Supplies & Materials  12 Legal & Permits  13 Legal & Permits  14 Filowback Testing  15 Legal & Completion Rig  16 Supplies & Completion Rig  17 Subrotal Intangible Completion Costs  18 Subrotal Intangible Completion Costs  19 Subrotal Intangible Costs  10 Drive Pipe Conductor Casing  10 Drive Pipe Conductor Casing		Rate \$ - \$ -	Units 0 0 0	\$3,009,624 DRYHOLE	\$10,000 250,000 45,000 475,000 2,150,000 205,000 85,000 165,000 35,000 85,000 40,000 30,000 \$4,267,500 213,375 \$4,480,875	\$10,000 250,000 45,000 45,000 0 0 475,000 0 0 2,150,000 0 2,150,000 0 205,000 0 205,000 15,000 0 652,500 0 165,000 35,000 85,000 \$5,000 \$35,000 \$4,267,500 213,375 \$4,480,875
8306   20   8306   20   8306   20   8306   20   8306   20   8306   20   8306   20   8306   20   8306   20   8306   20   8306   21   8306   21   8306   21   8306   21   8306   21   8306   21   8306   21   8306   22   8306   22   8306   22   8306   22   8306   22   8306   22   8306   22   8306   22   8306   22   8306   22   8306   22   8306   22   8306   22   8306   23   8308   3308	DESCRIPTION  Location & Cleanup  Power & Fuel  Dower & Fuel  Strain & Company  Direction  Di		Rate \$ - \$ - \$ - \$ -	Units 0 0 0 0	\$3,009,624  DRYHOLE  \$30,000 \$65,000 \$140,000	\$10,000 250,000 45,000 475,000 2,150,000 205,000 85,000 165,000 35,000 85,000 40,000 30,000 \$4,267,500 213,375 \$4,480,875	\$10,000 250,000 45,000 475,000 0 475,000 0 2,150,000 0 2,150,000 0 85,000 10,000 15,000 35,000 35,000 40,000 30,000 \$4,267,500 213,375 \$4,480,875 \$7,490,499  TOTAL WELL COST \$30,000
8306   20   8306   20   8306   20   8306   20   8306   20   8306   20   8306   20   8306   20   8306   20   8306   20   8306   21   8306   21   8306   21   8306   21   8306   21   8306   21   8306   21   8306   21   8306   22   8306   22   8306   22   8306   22   8306   22   8306   22   8306   22   8306   22   8306   22   8306   22   8306   22   8306   22   8306   23   8306   23   8306   23   8306   23   8306   23   8306   23   8306   23   8306   23   8306   23   8306   23   8306   23   8306   23   8306   23   8306   23   8306   23   8306   23   8306   23   8308   330	DESCRIPTION  1 Location & Cleanup  20 Power & Fuel  31 Comple Fluids & Chemicals  4 Bits, Reamer, Stabilizers  56 Logqing & Perforation Svcs  56 Logqing & Perforation Svcs  57 Csq Crews & Tools-Drive Hammer  58 Directional Tools & Svcs  59 Formation Stimulata Acid Frac  50 Formation Evaluation  51 Tubular Inspection  52 Equipment Rentals  53 Contract Labor & Services  54 Wellsite Consultant  55 Company Supervision & Labor  67 Tansportation  67 Mud Cuttings & Water Disposal  68 Insurance  69 Overhead  60 Water & Water Well  60 Water & Water Well  61 Unanticipated MajExp Fishing  62 Coil Tubung Services  63 Misc Supplies & Materials  64 Flowback Testing  65 Legal & Permits  66 Environmental & Safety Costs  67 Plugging  88 Completion Rig  89 Completion Rig  50 Sub-Total Intrangible Completion Costs  50 Sub-Total Intrangible Costs  61 Drive Pipe Conductor Casing  62 Surface Casing  63 Lintermediate Casing  64 Linter Casing  65 Lintermediate Casing  66 Lintermediate Casing  67 Lintermediate Casing  68 Lintermediate Casing  69 Linter Casing  60 Lintermediate Casing  61 Lintermediate Casing  61 Lintermediate Casing  62 Lintermediate Casing  63 Lintermediate Casing  64 Lintermediate Casing  65 Lintermediate Casing  66 Lintermediate Casing  67 Lintermediate Casing  68 Lintermediate Casing  68 Lintermediate Casing  68 Lintermediate Casing  69 Lintermediate Casing  69 Lintermediate Casing  60 Lintermediate Casing  61 Lintermediate Casing		Rate \$ - \$ -	Units 0 0 0	\$3,009,624  DRYHOLE  \$30,000 \$65,000 \$140,000 \$265,000	\$10,000 250,000 45,000 475,000 2,150,000 205,000 85,000 165,000 35,000 85,000 40,000 30,000 \$4,267,500 213,375 \$4,480,875	\$10,000 250,000 45,000 0 0 475,000 0 0 2,150,000 0 2,150,000 0 205,000 0 205,000 0 20,000 0 15,000 0 655,000 40,000 30,000 \$44,267,500 213,375 \$44,480,875 \$7,490,499  TOTAL WELL COST \$30,000 65,000 140,000
8306   20   8306   20   8306   20   8306   20   8306   20   8306   20   8306   20   8306   20   8306   20   8306   20   8306   21   8306   21   8306   21   8306   21   8306   21   8306   21   8306   21   8306   22   8306   22   8306   22   8306   22   8306   22   8306   22   8306   22   8306   22   8306   22   8306   22   8306   22   8306   22   8306   22   8306   22   8306   22   8306   23   8306   24   8306   25   8306	DESCRIPTION  1 Location & Cleanup  20 Power & Full  31 Compl Fluids & Chemicals  44 Bits, Reamer, Stabilizers  55 Cement & Cementing Svcs  56 Logqing & Perforation Svcs  57 Csq Crews & Tools-Drive Hammer  58 Directional Tools & Svcs  59 Formation Stimulatn Acid Frac  50 Formation Evaluation  1 Tubular Inspection  2 Equipment Rentals  30 Contract Labor & Services  40 Wellsite Consultant  55 Company Supervision & Labor  56 Transportation  57 Mud Cuttings & Water Disposal  58 Insurance  59 Overhead  50 Water & Water Well  50 Unanticipated MajExp Fishing  51 Coil Tubing Services  52 Flowback Testing  53 Misc Supplies & Materials  54 Flowback Testing  55 Legal & Permits  56 Environmental & Safety Costs  57 Plugging  58 Completion Rig  58 SUB-TOTAL INTANGIBLE COMPLETION COSTS  58 SUB-TOTAL INTANGIBLE COSTS  TANGIBLE DRILLING COST  59 DESCRIPTION  10 Drive Pipe Conductor Casing  15 Subs Fit Eqpt Centralizers Etc		Rate \$ - \$ - \$ - \$ -	Units 0 0 0 0	\$3,009,624  DRYHOLE  \$30,000 \$65,000 \$140,000 \$265,000 40,000	\$10,000 250,000 45,000 475,000 2,150,000 205,000 85,000 165,000 35,000 85,000 40,000 30,000 \$4,267,500 213,375 \$4,480,875	\$10,000 250,000 45,000 45,000 0 0 475,000 0 0 2,150,000 0 0 205,000 0 85,000 15,000 0 0 652,500 35,000 85,000 \$3,000 \$4,267,500 213,375 \$4,480,875 \$7,490,499  TOTAL WELL COST \$30,000 655,000 140,000 655,000 140,000 655,000 140,000
8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 20 8306 21 8306 21 8306 21 8306 21 8306 22 8306 23 8306 23 8306 23 8306 23 8306 23 8306 23 8306 23 8306 23 8306 3308 3308 8308 308 8308 308	DESCRIPTION  Location & Cleanup  Power & Fuel  Dower & Fuel  Bits, Reamer, Stabilizers  Cement & Cementing Svcs  Logging & Perforation Svcs  Logging & Perforation Svcs  Cag Crews & Tools-Drive Hammer  Directional Tools & Svcs  Formation Evaluation  Tubular Inspection  Legainement Rentals  Contract Labor & Services  Wellsite Consultant  Company Supervision & Labor  Transportation  Mud Cuttings & Water Disposal  Insurance  Wellsite Water Well  Unanticipated MajExp Fishing  Unanticipated MajExp Fishing  Coil Tubular Supplies & Materials  Flowback Testing  Legal & Permits  Environmental & Safety Costs  Plugging  Company Supervision  Substotal  Substotal  Contract Labor & Services  Tancing & Substotal  Substotal  Contract Labor & Services  Tancing & Substotal  Contract Labor & Services  Substotal  Contract Labor & Services  Tancing & Substotal  Dive Pipe Conductor Casing  Legal & Flowber Casing  Lier Casing		Rate \$ - \$ - \$ - \$ -	Units 0 0 0 0	\$3,009,624  DRYHOLE  \$30,000 \$65,000 \$140,000 \$265,000	\$10,000 250,000 45,000 475,000 2,150,000 205,000 85,000 165,000 35,000 85,000 40,000 30,000 \$4,267,500 213,375 \$4,480,875	\$10,000 250,000 45,000 0 0 475,000 0 0 2,150,000 0 2,150,000 0 205,000 0 205,000 0 20,000 0 15,000 0 655,000 40,000 30,000 \$44,267,500 213,375 \$44,480,875 \$7,490,499  TOTAL WELL COST \$30,000 65,000 140,000

		SUB-TOTAL TANGIBLE DRILLING COSTS				\$600,000		\$600,000
		TANGIBLE COMPLETION	COSTS					
ACC	CT.	DESCRIPTION		Rate	Units		COMPLETION	TOTAL WELL COST
309	401	Production Casing		\$ -	0		340,000	\$340,000
309	402	Tubing		\$ -	0		60,000	60,000
309	403	Subs Flt Eqpt Centralizers Etc		7			50,000	50,000
309	404	Sub Surface Equipment				DATE OF THE PARTY	30,000	30,00
309	405	Xmas Tree Upper Section					60,000	60,00
309	406	Outside Operated Other						
		SUB-TOTAL TANGIBLE COMPLETION COST	S	-			\$540,000	\$540,000
		SUB-TOTAL TANGIBLE COSTS				\$600,000	\$540,000	\$1,140,000
		SUB-TOTAL INTANGIBLE & TANGIBLE COS	TC			\$3,609,624	\$5,020,875	\$8,630,499
		PRODUCTION EQUIPMENT				45/555/52 :	+5/5=5/5:5	45/555/15
		PRODUCTION EQUIPMENT	C0313				COMPLETION	TOTAL WELL COST
244	504	Artificial Life Equipment					COMPLETION \$45,000	TOTAL WELL COST \$45,00
311	501	Artificial Lift Equipment Prime Mover Electric Gas		_			\$45,000	\$45,00
311	502	Sales Gathering Line						
311	504	Separation Equipment					70,000	70,00
311	505	Oil Treating Heating Equipment					, 0,000	
311	506	Gas Treating Dehy Equipment						
311	507	Tanks	. —				160,000	160,00
311	508	Meters					55,000	55,00
311	509	Electrical Equip Install				Alexander principal and the reserving	20,000	20,00
311	510	Compressor						
311	511	Flowlines					50,000	50,00
311	512	Labor					145,000	145,00
311	513	Trucks Hauling Transportation					10,000	10,00
311	514	Buildings						
311	515	Roads & Locations					40,000	40,00
311	516	Manifolds & Headers				TOTAL DESIGNATION OF THE RESIDENCE OF TH	15,000	15,00
311	517	Chemical Injection System					50.000	F0 04
311	518	Piping & Valves					50,000	50,00
311	519	Welding					F 000	F 00
311	520	Surface Pumps					5,000	5,00
311	521	Filters Outside Operated Other						
311	522 523	Environmental & Safety		_			10,000	10,00
3311	524	Engineering Supervision				The state of the s	30,000	30,00
3311	525	Surface Facilities					40,000	40,00
7011	DES	Darrace radineres					40,000	10/00
		SUB-TOTAL PRODUCTION EQUIPMENT					\$745,000	\$745,0
			`			¢3 000 634		
		SUB-TOTAL INTANGIBLE COSTS (PAGE 1	)			\$3,009,624	\$4,480,875	\$7,490,4
		SUB-TOTAL TANGIBLE COSTS (PAGE 2)				\$600,000	\$540,000	\$1,140,0
			GRAND TOTAL			\$3,609,624	\$5,765,875	\$9,375,4
			LESS OUTSIDE INTER	RESTS		\$3,609,624	\$5,765,875	\$9,375,4
			TOTAL NET COSTS			\$0	\$0	
			TOTAL NET COSTS			\$0	\$0	
	es which	reator: Costs shown on this form are estima will be required to perform the proposed op			these estimat	es as establishing any limit  GROSS AFE AMOUNT - DR	YHOLE	\$3,609,6
AISL								
			0.4	TE		NET DRYHOLE AFE AMOUN	VT.	
APPROV	ED		DA	ii e		NET ASSET TRANSFERS		
PPROVI						CASH OUTLAY THIS AFE		
PPROVI	ED		DA	TE		PREVIOUS AFE'S ISSUED		
PPROVI						TOTAL CASH OUTLAY		
			DA	TE		TOTAL CASH GOTLAT		
PPROVI								
PPROVI	ED							
PPROVI	ED	WORKING INTEREST APPR	OVAL					
	ED					ADDROVED BY		DATE
PPROVI	ED		OVAL KING INTEREST			APPROVED BY		DATE
PPROVI	ED					APPROVED BY		DATE

### ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE (AFE)

COST CENT	ER I	Big Moose Fed Com 707H	BUD YEAR		DATE	October 8, 2019	
AFE NO. FIELD	-	Hat Mesa REGION	Delaware I		SUPPLEMENT NO.  LEGAL:	21S 32E	
OPERATOR	-	Ascent Energy, LLC WELL NO.	707H		W.I.		
OBJECTIVE		Wolfcamp STATE	NM		MD/TVD	18,350'/11,630'	
		JECT START DATE: 4Q2019					
DESCRIPTION	ON: D	orill a 5900' lateral in the Wolfcamp and frac with 39 stages. A	Assumes 4 string	design. Frac	with slickwater in 45 stages.		
	_	INTANGIBLE DRILLING COSTS					
ACCT.	T	DESCRIPTION	Rate	Units	DRYHOLE		TOTAL WELL COST
	01	Location Cleanup & Damages			\$70,000		\$70,000
		Rig Move - MIRU, RDMO			\$75,000 \$720,000		75,000 720,000
		Rig Contractor-Daywork/FT Rig Contractor-Turnkey			\$720,000		720,000
8305 1	05	Power & Fuel			\$180,000		180,000
		Drill Fluids & Chemicals Bits, Reamer, Stabilizers	_		\$120,000 \$100,000		120,000 100,000
		Cement & Cementing Services			\$300,000		300,000
		Mud Logging/Geosteering			\$48,000		48,000 75,000
		Open Hole Logging Csg Crews & Tools			\$75,000 \$90,000		90,000
	12	Directional Tools & Service			\$270,000		270,000
		Form Eval - Well Testing DST - Coring, Sampling			¢50,000		50,000
		Tubular Inspection Equipment Rentals			\$50,000 \$310,000		310,000
8305 1	17	Contract Labor & Services			\$105,000		105,000
		Wellsite Consultants Company Supervison & Labor			\$135,000		135,000
8305 1	20	Transportation			\$60,000		60,000
8305 1		Mud,Cuttings & Water Disposal Insurance			\$110,000 \$34,368		110,000 34,368
		Overhead			\$25,000		25,000
8305 1	24	Water & Water Well			\$60,000		60,000
		Unanticipated MjrExp (Fishing) Legal			\$50,000		50,000
		Outside Operated Other			\$30,000		0
		Permits			\$10,000 \$20,000		10,000 20,000
		Environmental & Safety Plugging			\$20,000		20,000
		SUBTOTAL			\$3,017,368		\$3,017,368
8305 1	99	CONTINGENCY (%) 10.00% SUB-TOTAL INTANGIBLE DRILLING COSTS			301,737 \$3,319,105		301,737 \$3,319,105
-		INTANGIBLE COMPLETION COSTS		770 170	43,313,103		\$3,313,103
ACCT.	8	DESCRIPTION	Rate	Units		COMPLETION	TOTAL WELL COST
04/407.9	01	Location & Cleanup	Rate	Units		\$10,000	\$10,000
8306 2 8306 2	01	Location & Cleanup Power & Fuel	Rate	Units		\$10,000 250,000	\$10,000 250,000
8306 2 8306 2 8306 2	01	Location & Cleanup Power & Fuel Compl Fluids & Chemicals	Rate	Units		\$10,000	\$10,000 250,000 45,000
8306 2 8306 2 8306 2 8306 2 8306 2	01 02 03 04 05	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs	Rate	Units		\$10,000 250,000 45,000	\$10,000 250,000 45,000 0
8306 2 8306 2 8306 2 8306 2 8306 2 8306 2	01 02 03 04 05	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logding & Perforation Svcs	Rate	Units		\$10,000 250,000	\$10,000 250,000 45,000 0 0 495,000
8306 2 8306 2 8306 2 8306 2 8306 2 8306 2 8306 2 8306 2	01 02 03 04 05 06 07	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logging & Perforation Svcs Csq Crews & Tools-Drive Hammer Directional Tools & Svcs	Rate	Units		\$10,000 250,000 45,000	\$10,000 250,000 45,000 0 0 495,000 0
8306 2 8306 2 8306 2 8306 2 8306 2 8306 2 8306 2 8306 2 8306 2	01 02 03 04 05 06 07 08	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logging & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulatn Acid Frac	Rate	Units		\$10,000 250,000 45,000	\$10,000 250,000 45,000 0 0 495,000 0 0 2,350,000
8306 2 8306 2 8306 2 8306 2 8306 2 8306 2 8306 2 8306 2 8306 2	01 02 03 04 05 06 07	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logging & Perforation Svcs Csq Crews & Tools-Drive Hammer Directional Tools & Svcs	Rate	Units		\$10,000 250,000 45,000	\$10,000 250,000 45,000 0 0 495,000 0 0 2,350,000
8306 2 8306 2	01 02 03 04 05 06 07 08 09 10	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logging & Perforation Svcs Csq Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulatn Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals	Rate	Units		\$10,000 250,000 45,000	\$10,000 250,000 45,000 0 0 495,000 0 2,350,000 0 0 210,000
8306 2 8306 2	01 02 03 04 05 06 07 08 09 10	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logging & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulatn Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services	Rate	Units		\$10,000 250,000 45,000 495,000 2,350,000	\$10,000 250,000 45,000 0 0 495,000 0 2,350,000 0 210,000
8306 2 8306 2	01 02 03 04 05 06 07 08 09 10 211 212 213	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logging & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor	Rate	Units		\$10,000 250,000 45,000 495,000 2,350,000 210,000 85,000	\$10,000 250,000 45,000 0 0 495,000 0 2,350,000 0 210,000 85,000
8306 2 8306 2	01 02 03 04 05 06 07 08 09 10 11 12 13	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logging & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulatn Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation	Rate	Units		\$10,000 250,000 45,000 495,000 2,350,000 210,000 85,000	\$10,000 250,000 45,000 0 0 495,000 0 2,350,000 0 210,000 0 85,000 0 220,000
8306 2 8306 2	001 002 003 004 005 006 007 008 009 010 011 111 112 113 114 115 116 117 1218	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logging & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulatn Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Welisite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance	Rate	Units		\$10,000 250,000 45,000 495,000 2,350,000 210,000 85,000	\$10,000 250,000 45,000 0 0 495,000 0 2,350,000 0 210,000 0 85,000 20,000 15,000
8306 2 8306 2	001 002 003 004 005 006 007 008 009 010 011 112 113 114 115 116 117 118	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logqing & Perforation Svcs Logqing & Perforation Svcs Cos Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Tools & Svcs Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead	Rate	Units		\$10,000 250,000 45,000 495,000 2,350,000 210,000 85,000 20,000 15,000	\$10,000 250,000 45,000 0 0 495,000 0 2,350,000 0 210,000 0 85,000 0 20,000 15,000
8306 2 8306 2	001 002 003 004 005 006 007 008 009 010 011 111 112 113 114 115 116 117 1218	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logging & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulatn Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Welliste Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MajExp Fishing	Rate	Units		\$10,000 250,000 45,000 495,000 2,350,000 210,000 85,000	\$10,000 250,000 45,000 0 0 495,000 0 0 2,350,000 0 210,000 0 85,000 0 20,000 15,000 0 652,500
8306 2 8306 2	001 002 003 004 005 006 007 008 009 010 011 111 112 113 114 115 116 117 118 119 122 122 122 122 122 122 122	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logging & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MajExp Fishing Coil Tubing Services	Rate	Units		\$10,000 250,000 45,000 45,000 2,350,000 210,000 85,000 20,000 15,000	\$10,000 250,000 45,000 0 0 495,000 0 2,350,000 0 2,350,000 0 210,000 0 25,000 0 20,000 15,000 0 0 0 0 0 175,000
8306 2 8306 2	001 002 003 004 005 006 007 008 009 110 111 112 113 114 115 116 117 118 119 120 120 120 120 120 120 120 120	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logging & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulatn Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Welliste Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MajExp Fishing	Rate	Units		\$10,000 250,000 45,000 45,000 2,350,000 210,000 85,000 20,000 15,000 175,000 35,000	\$10,000 250,000 45,000 0 0 0 495,000 0 2,350,000 0 210,000 0 85,000 0 20,000 15,000 0 0 175,000 35,000
8306 2 8306 2	001 002 003 004 005 006 007 008 009 010 011 011 112 113 114 115 116 117 118 119 1220 1221 1222 1223 1224 1225 1226 1226 1226 1227 12	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logging & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellisite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MajExp Fishing Coli Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits	Rate	Units		\$10,000 250,000 45,000 45,000 2,350,000 2,350,000 85,000 20,000 15,000 175,000 35,000 85,000 85,000	\$10,000 250,000 45,000 0 0 0 495,000 0 2,350,000 0 2350,000 0 210,000 0 25,000 0 0 65,000 0 0 15,000 0 175,000 0 35,000 35,000 85,000 85,000
8306 2 8306 2	001 002 003 004 005 006 007 008 009 0110 1111 112 113 114 115 116 117 118 119 122 122 122 122 122 122 122	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logqing & Perforation Svcs Logqing & Perforation Svcs Csq Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated Maj Exp Fishing Coil Tubing Services Misc Supplies & Materials Fisowback Testing	Rate	Units		\$10,000 250,000 45,000 495,000 2,350,000 210,000 85,000 20,000 15,000 175,000 35,000 85,000	\$10,000 250,000 45,000 0 0 495,000 0 2,350,000 0 2,350,000 0 210,000 210,000 0 20,000 15,000 0 0 652,500 0 175,000 35,000 35,000
8306 2 8306 2	001 002 003 004 005 006 007 008 009 010 011 011 012 113 114 115 116 117 118 119 122 122 122 122 122 122 123 124 125 125 125 125 125 125 125 125	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logqing & Perforation Svcs Logqing & Perforation Svcs Csq Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Tools & Svcs Formation Stimulatn Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MajExp Fishing Coil Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs	Rate	Units		\$10,000 250,000 45,000 45,000 2,350,000 2,350,000 85,000 20,000 15,000 175,000 35,000 85,000 85,000	\$10,000 250,000 45,000 0 0 495,000 0 2,350,000 0 2,350,000 0 210,000 0 20,000 15,000 0 175,000 35,000 85,000 85,000 85,000
8306 2 8306 2	001 002 003 004 005 006 007 008 009 010 0111 0112 0112 0113 0114 0115 0116 0117	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logging & Perforation Svcs Logging & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MajExp Fishing Coil Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Plugging Completion Rig	Rate	Units		\$10,000 250,000 45,000 45,000 2,350,000 210,000 85,000 15,000 35,000 35,000 40,000 30,000 30,000	\$10,000 250,000 45,000 0 0 495,000 0 2,350,000 0 2,350,000 0 210,000 0 25,000 0 20,000 15,000 0 652,500 0 175,000 35,000 85,000 40,000 30,000
8306 2 8306 2	001 002 003 004 005 006 007 008 009 010 0111 0112 0112 0113 0114 0115 0116 0117	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logging & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Welisite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MajExp Fishing Coll Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs	Rate	Units		\$10,000 250,000 45,000 45,000 2,350,000 2,350,000 85,000 20,000 15,000 35,000 85,000 40,000 30,000 \$4,502,500	\$10,000 250,000 45,000 0 0 0 495,000 0 0 2,350,000 0 2350,000 0 210,000 0 25,000 0 0 0 25,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
8306 2 8306 2	001 002 003 004 005 006 007 008 009 0110 1111 112 113 114 115 116 117 118 119 1222	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logging & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MajExp Fishing Coli Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Plugqing Completion Riq Subtotal	Rate	Units		\$10,000 250,000 45,000 45,000 2,350,000 210,000 85,000 15,000 35,000 35,000 40,000 30,000 30,000	\$10,000 250,000 45,000 0 0 495,000 0 2,350,000 0 2,350,000 0 210,000 0 25,000 0 20,000 15,000 0 652,500 0 175,000 35,000 85,000 40,000 30,000
8306 2 8306 2	001 002 003 004 005 006 007 008 009 0110 1111 112 113 114 115 116 117 118 119 1222	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logging & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulatin Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellisite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MajExp Fishing Coli Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Pluaging Completion Riq Subarotal. Insurance Subarotal. Safety Costs Pluaging Completion Riq Subarotal. Insurances Subarotal. Insurances Subarotal. Solve Costs Subarotal. Solve Costs Subarotal. Insurances	Rate	Units	\$3,319,105	\$10,000 250,000 45,000 495,000 2,350,000 210,000 85,000 15,000 35,000 35,000 40,000 30,000 \$4,502,500 225,125	\$10,000 250,000 45,000 0 0 495,000 0 2,350,000 0 2,350,000 0 210,000 0 22,000 15,000 0 175,000 35,000 85,000 85,000 35,000 35,000 40,000 0 30,000 \$4,502,500 225,125
8306 2 8306 2	001 002 003 004 005 006 007 008 009 110 111 112 113 114 115 116 117 118 119 1222 1	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logqing & Perforation Svcs Logqing & Perforation Svcs Logqing & Perforation Svcs Cost Sees & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MajExp Fishing Coil Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Plugqing Completion Riq  SUBTOTAL CONTINGENCY (%) 5.00% SUB-TOTAL INTANGIBLE COMPLETION COSTS TANGIBLE DRILLING COSTS				\$10,000 250,000 45,000 45,000 2,350,000 210,000 85,000 15,000 35,000 35,000 40,000 35,000 40,000 \$4,502,500 225,125 \$4,727,628	\$10,000 250,000 45,000 0 0 495,000 0 2,350,000 0 2,350,000 0 210,000 0 210,000 0 20,000 0 15,000 0 15,000 0 175,000 35,000 40,000 5,000 40,000 \$85,000 \$85,000 \$85,000 \$1,000 \$85,000 \$1,000 \$85,000 \$1,000 \$
8306 2 8306 2	001 002 003 004 005 006 007 008 009 110 111 112 113 114 115 116 117 118 118 119 1222 12	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logqing & Perforation Svcs Logqing & Perforation Svcs Csq Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MajExp Fishing Coil Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Plugqing Completion Riq SUBTOTAL INTANGIBLE COMPLETION COSTS SUB-TOTAL INTANGIBLE COMPLETION COSTS DESCRIPTION	Rate	Units	DRYHOLE	\$10,000 250,000 45,000 45,000 2,350,000 210,000 85,000 15,000 35,000 35,000 40,000 35,000 40,000 \$4,502,500 225,125 \$4,727,628	\$10,000 250,000 45,000 0 0 495,000 0 2,350,000 0 2,350,000 0 210,000 0 22,000 15,000 0 652,500 0 175,000 35,000 \$5,000 40,000 \$4,502,500 22,5125 \$4,727,625 \$8,046,730
8306 2 8306 2	001 002 003 004 005 006 007 008 009 110 111 111 112 113 114 115 116 117 118 119 1222 1223 1224 1225 1226 1227 1228 12	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logging & Perforation Svcs Cag Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MajExp Fishing Coll Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Pluaging Completion Rig  SUBTOTAL CONTINGENCY (%) SUB-TOTAL INTANGIBLE COMPLETION COSTS SUB-TOTAL INTANGIBLE COSTS DESCRIPTION Drive Pipe Conductor Casing	Rate \$ -	Units	DRYHOLE \$30,000	\$10,000 250,000 45,000 45,000 2,350,000 210,000 85,000 15,000 35,000 35,000 40,000 35,000 40,000 \$4,502,500 225,125 \$4,727,628	\$10,000 250,000 45,000 0 0 495,000 0 2,350,000 0 2,350,000 0 210,000 0 210,000 15,000 0 652,500 0 652,500 0 175,000 35,000 40,000 3,000 \$4,502,500 22,51,25 \$4,727,625 \$8,046,730
8306 2 8306 2	001 002 003 004 005 006 007 008 009 110 111 112 113 114 115 116 117 118 118 119 1222 12	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logging & Perforation Svcs Logging & Perforation Svcs Csq Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MajExp Fishing Coll Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Plugging Completion Rig SUBTOTAL INTANGIBLE COMPLETION COSTS SUB-TOTAL INTANGIBLE COMPLETION COSTS DESCRIPTION Drive Pipe Conductor Casing Surface Casing Intermediate Casing	Rate	Units 0 0 0 0	DRYHOLE	\$10,000 250,000 45,000 45,000 2,350,000 210,000 85,000 15,000 35,000 35,000 40,000 35,000 40,000 \$4,502,500 225,125 \$4,727,628	\$10,000 250,000 45,000 0 0 495,000 0 2,350,000 0 2,350,000 0 2,350,000 0 2,350,000 0 20,000 15,000 0 652,500 0 175,000 35,000 40,000 \$4,502,500 225,125 \$4,727,625 \$8,046,730
8306 2 8306 2	001 002 003 004 005 006 007 008 009 011 111 112 113 114 115 117 118 119 122 122 122 122 122 122 133 143 144 155 165 165 165 165 165 165 165	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logqing & Perforation Svcs Logqing & Perforation Svcs Logqing & Perforation Svcs Cost Sees & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MajExp Fishing Coil Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Plugqing Completion Riq  SUBTOTAL CONTINGENCY (%) 5.00% SUB-TOTAL INTANGIBLE COMPLETION COSTS SUB-TOTAL INTANGIBLE COMPLETION COSTS DESCRIPTION Drive Pipe Conductor Casing Surface Casing Intermediate Casing Liner Casing	Rate	Units	DRYHOLE \$30,000 \$65,000 \$140,000 \$265,000	\$10,000 250,000 45,000 45,000 2,350,000 210,000 85,000 15,000 35,000 35,000 40,000 35,000 40,000 \$4,502,500 225,125 \$4,727,628	\$10,000 250,000 45,000 0 495,000 0 495,000 0 2,350,000 0 2,350,000 0 2,350,000 0 20,000 0 10,000 0 15,000 15,000 175,000 35,000 40,000 \$4,502,500 225,125 \$4,727,625 \$8,046,730  TOTAL WELL COST \$30,000 140,000 655,000 140,000
8306 2 8306 2	001 002 003 004 005 006 007 008 009 1110 1111 1114 1115 1114 1115 1117 1118 1119 111	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logqing & Perforation Svcs Logqing & Perforation Svcs Csq Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MajExp Fishing Coil Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Plugqing Completion Rig SUBTOTAL INTANGIBLE COMPLETION COSTS SUB-TOTAL INTANGIBLE COMPLETION COSTS  DESCRIPTION Drive Pipe Conductor Casing Surface Casing Intermediate Casing Liner Casing Subs Tib Fight Centralizers Etc	Rate \$ - \$ - \$ - \$ - \$	Units 0 0 0 0	\$30,000 \$65,000 \$140,000 \$265,000 40,000	\$10,000 250,000 45,000 45,000 2,350,000 210,000 85,000 15,000 35,000 35,000 40,000 35,000 40,000 \$4,502,500 225,125 \$4,727,628	\$10,000 250,000 45,000 0 0 495,000 0 2,350,000 0 2,350,000 0 210,000 210,000 0 22,000 15,000 0 652,500 0 175,000 35,000 35,000 \$4,502,500 0 20,000 15,000 175,
8306 2 8306 2	001 002 003 004 005 006 007 008 009 010 111 111 111 111 111 111	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logqing & Perforation Svcs Logqing & Perforation Svcs Logqing & Perforation Svcs Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MajExp Fishing Coil Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Pluagling Completion Rig Subarotal. Completion Rig Subarotal. Intransible Completion Costs Sub-Total. Intransible Completion Costs Description Drive Pipe Conductor Casing Surface Casing Intermediate Casing Liner Casing Subs Fit Egpt Centralizers Etc Casing Abb Surb Coulbus Sub-Subs Contral Contralizers	Rate \$ - \$ - \$ - \$ - \$	Units 0 0 0 0	DRYHOLE \$30,000 \$65,000 \$140,000 \$265,000	\$10,000 250,000 45,000 45,000 2,350,000 210,000 85,000 15,000 35,000 35,000 40,000 35,000 40,000 \$4,502,500 225,125 \$4,727,628	\$10,000 250,000 45,000 0 0 495,000 0 0 2,350,000 0 0 2,350,000 0 210,000 0 22,000 15,000 0 175,000 35,000 35,000 40,000 175,00
8306 2 8306 2	001 002 003 004 005 006 007 008 009 011 111 112 113 114 114 115 116 117 118 119 122 122 122 122 122 122 122	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logging & Perforation Svcs Cag Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MajExp Fishing Coll Tubing Services Miss Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Pluaging Completion Rig  Substantial Insurance Continus Services Substantial Contract Contract Substantial C	Rate \$ - \$ - \$ - \$ - \$	Units 0 0 0 0	\$30,000 \$65,000 \$140,000 \$265,000 40,000	\$10,000 250,000 45,000 45,000 2,350,000 210,000 85,000 15,000 35,000 35,000 40,000 35,000 40,000 \$4,502,500 225,125 \$4,727,628	\$10,000 250,000 45,000 0 0 495,000 0 2,350,000 0 2,350,000 0 210,000 0 210,000 0 20,000 15,000 0 652,500 0 40,000 33,000 \$4,502,500 225,125 \$4,727,625 \$8,046,730  TOTAL WELL COST \$30,000 65,000 40,000 65,000 140,000 65,000 140,000 65,000 140,000 65,000 140,000 65,000 140,000 65,000 140,000 65,000 140,000 65,000 140,000 65,000 140,000 65,000 140,000
8306 2 8306 3 8308 3 8308 3 8308 3 8308 3	001 002 003 004 005 006 007 008 009 010 111 111 111 111 111 111	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logqing & Perforation Svcs Logqing & Perforation Svcs Logqing & Perforation Svcs Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MajExp Fishing Coil Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Pluagling Completion Rig Subarotal. Completion Rig Subarotal. Intransible Completion Costs Sub-Total. Intransible Completion Costs Description Drive Pipe Conductor Casing Surface Casing Intermediate Casing Liner Casing Subs Fit Egpt Centralizers Etc Casing Abb Surb Coulbus Sub-Subs Contral Contralizers	Rate \$ - \$ - \$ - \$ - \$	Units 0 0 0 0	\$30,000 \$65,000 \$140,000 \$265,000 40,000	\$10,000 250,000 45,000 45,000 2,350,000 210,000 85,000 15,000 35,000 35,000 40,000 35,000 40,000 \$4,502,500 225,125 \$4,727,628	\$10,000 250,000 45,000 0 0 495,000 0 0 2,350,000 0 0 2,350,000 0 210,000 0 22,000 15,000 0 175,000 35,000 35,000 40,000 175,00

								COMPLETION	TOTAL WELL COST
AC	CT.	DESCRIPTION			ate	Units		COMPLETION	\$340,000
309	401	Production Casing		\$	-	0		340,000 75,000	75,00
309	402	Tubing	no Eto	\$	_	0		50,000	50,00
309	403	Subs Fit Eqpt Centralize	rs etc		_			30,000	30,00
309	404	Sub Surface Equipment	n .					60,000	60,00
309	405	Xmas Tree Upper Section Outside Operated Other					CONTRACTOR OF THE PROPERTY OF		
309	406	Outside Operated Other							
		SUB-TOTAL TANGIBLE COMPL	ETION COSTS					\$555,000	\$555,000
		SUB-TOTAL TANGIBLE COSTS					\$600,000	\$555,000	\$1,155,000
		SUB-TOTAL INTANGIBLE & TA					\$3,919,105	\$5,282,625	\$9,201,730
_		PRODUCTION EQU							
_		- RODGETTON EQ	711 112111 00010					COMPLETION	TOTAL WELL COST
311	501	Artificial Lift Equipment				100		\$50,000	\$50,00
311	502	Prime Mover Electric Ga				1/00			
311	503	Sales Gathering Line							
311	504	Separation Equipment						70,000	70,00
311	505	Oil Treating Heating Equ	ulpment			. 100	Partie of the Committee		
311	506	Gas Treating Dehy Equi	pment						
311	507	Tanks						160,000	160,00
311	508	Meters						55,000 20,000	55,00 20,00
311	509	Electrical Equip Install						20,000	20,00
311	510	Compressor				-		50,000	50,00
311	511	Flowlines						145,000	145,00
311	512	Labor	station.					10,000	10,00
311	513	Trucks Hauling Transpo Buildings	rtation					10,000	10/0
3311	514 515	Roads & Locations						40,000	40,00
311	516	Manifolds & Headers				100	ALCONOMIC DESCRIPTION OF THE PARTY OF THE PA	15,000	15,00
311	517	Chemical Injection Syst	em						
311	518	Piping & Valves						50,000	50,00
3311	519	Welding							
8311	520	Surface Pumps						5,000	5,00
8311	521	Filters							
8311	522	Outside Operated Other	r	714.0132					
8311	523	Environmental & Safety						10,000	10,00
8311	524	Engineering Supervision	n			90		30,000	30,00
8311	525	Surface Facilities						40,000	40,00
		SUB-TOTAL PRODUCTION E	QUIPMENT					\$750,000	\$750,0
		SUB-TOTAL INTANGIBLE CO	OSTS (PAGE 1)				\$3,319,105	\$4,727,625	\$8,046,7
		SUB-TOTAL TANGIBLE COS	STS (PAGE 2)				\$600,000	\$555,000	\$1,155,0
			GRAND TO	TAI			\$3,919,105	\$6,032,625	\$9,951,7
			ID: 12 / 2/15/20/20/20	SIDE INTERESTS			\$3,919,105	\$6,032,625	\$9,951,7
_		<del> </del>					\$0	\$0	45/502/
			TOTAL NET	COSTS			\$0	\$0	
lotice t	o Nonope	erator: Costs shown on this fo	orm are estimates only. None	operators should not	consider	these estimates	as establishing any limit		
n mon	ies which	will be required to perform the	ne proposed operation.						
DEDAR	ED BY			DATE			GROSS AFE AMOUNT - DRY HOLE		\$3,919,1
KLFAN	LUUI								
				D. L. W.C.			NET DRYHOLE AFE AMOUNT		
PPROV	/ED			DATE			NET ASSET TRANSFERS		
							CASH OUTLAY THIS AFE		
PPROV	/FD			DATE			PREVIOUS AFE'S ISSUED		
							TOTAL CASH OUTLAY		
PPROV	/ED			DATE			TOTAL SIGNIFICATION		
		WORKING INTER					400001150		2.77
		COMPANY	WORKING INTER	EST			APPROVED BY		DATE

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

APPLICATION OF ASCENT ENERGY, LLC FOR COMPULSORY POOLING AND APPROVAL OF AN UNORTHODOX WELL LOCATION, LEA COUNTY, NEW MEXICO.

Case No. 20957

APPLICATION OF ASCENT ENERGY, LLC FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

Case No. 20958

#### VERIFIED STATEMENT OF BEN METZ

William Metz, being duly sworn upon his oath, deposes and states:

- 1. I am over the age of 18, and have personal knowledge of the matters stated herein.
- 2. I am a geologist for Ascent Energy, LLC ("Ascent"), and I am familiar with the geological matters involved in this case. I have been qualified by the Division as an expert petroleum geologist.
- 3. The geological plats in Attachments A, B, and C pertain to the Second Bone Spring, Third Bone Spring, and Wolfcamp zones, respectively. These three zones are prospective in this area. They contain:
  - (a) Structure maps on top of each zone. They show that structure dips gently to the east-southeast. The also show a line of cross-section.
  - (b) Gross and net isopachs for each zone. Each zone has a uniform thickness across the well units.
  - (c) Cross-sections of each zone. The well logs on the cross-sections give a representative sample of the Second Bone Spring, Third Bone Spring, and Wolfcamp zones in this area. The target zones are continuous across the well units.
  - 4. I conclude from the maps that:
  - (a) The Bone Spring and Wolfcamp horizontal spacing units are justified from a geologic standpoint, and horizontal drilling is the best method to produce Bone Spring and Wolfcamp reserves.

EXHIBIT 2

- (b) Each quarter-quarter section in the well units will contribute more or less equally to production from each respective zone.
- (c) There is no faulting or other geologic impediment in the area which will affect the drilling of the subject wells.
- 5. Attachment D contains production data from Bone Spring and Wolfcamp wells in the area. Virtually all wells in both formations have a north-south orientation, and based on well results Ascent desires to drill standup well units.
- 6. The granting of these applications is in the interests of conservation and the prevention of waste.

#### **VERIFICATION**

STATE OF COLORADO	)
	) ss.
COTY AND COUNTY OF DENVER	)

Ben Metz, being duly sworn upon his oath, deposes and states that: He is a geologist for Ascent Energy, LLC; he is authorized to make this verification on its behalf; he has read the foregoing statement, and knows the contents thereof; and the same is true and correct to the best of his knowledge, information, and belief.

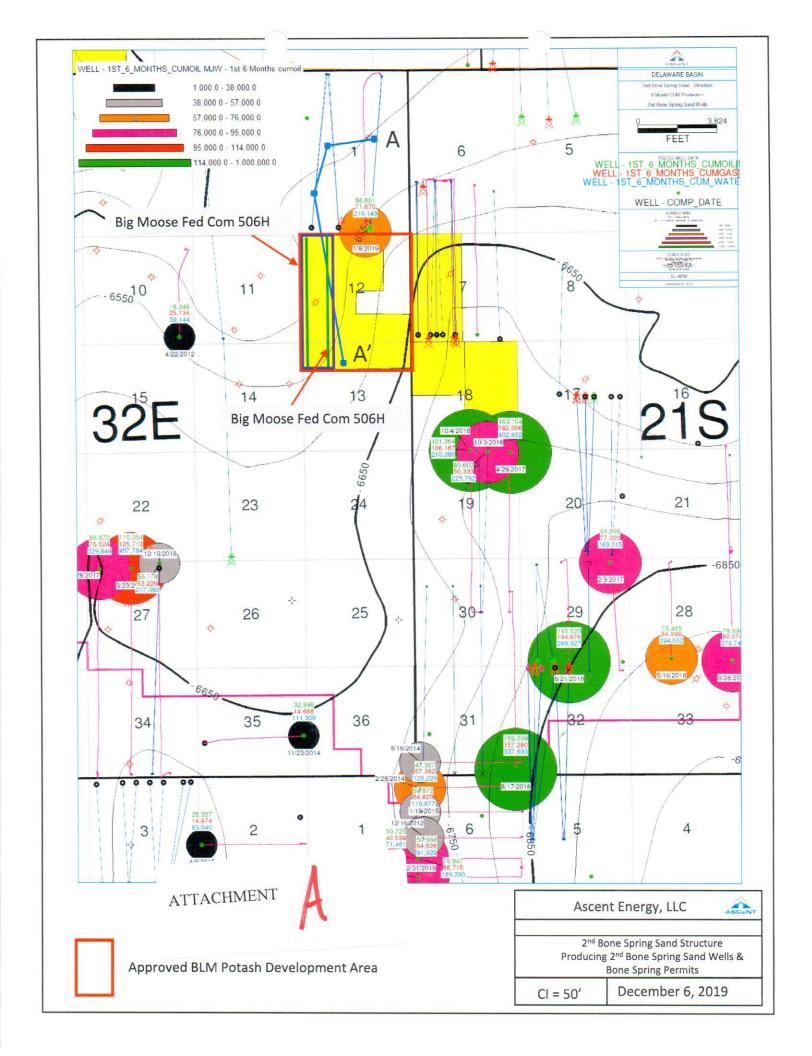
Ben Metz

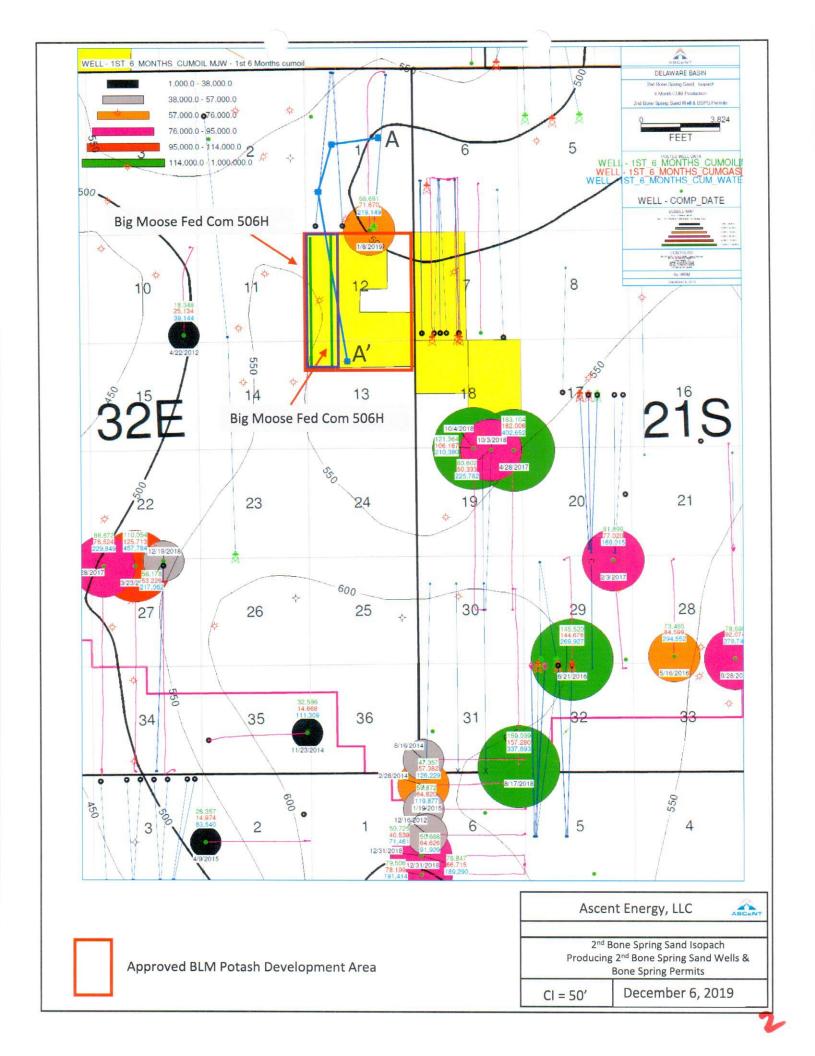
day of December, 2019 by

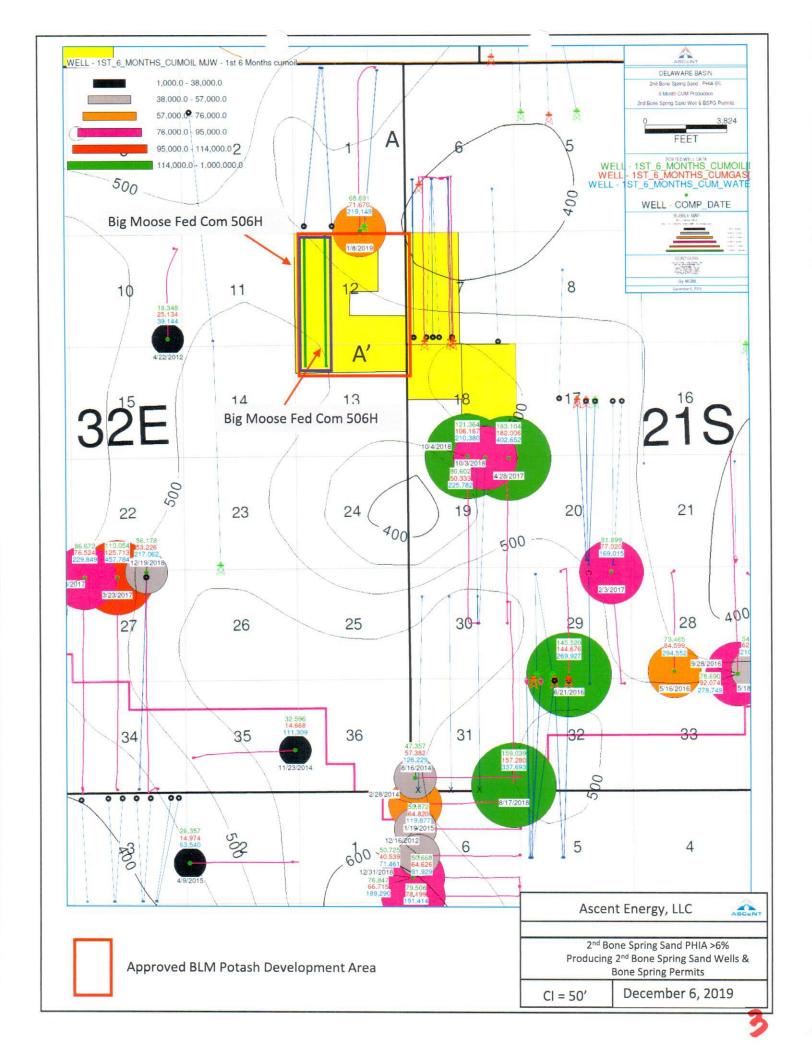
My Commission Expires: 4

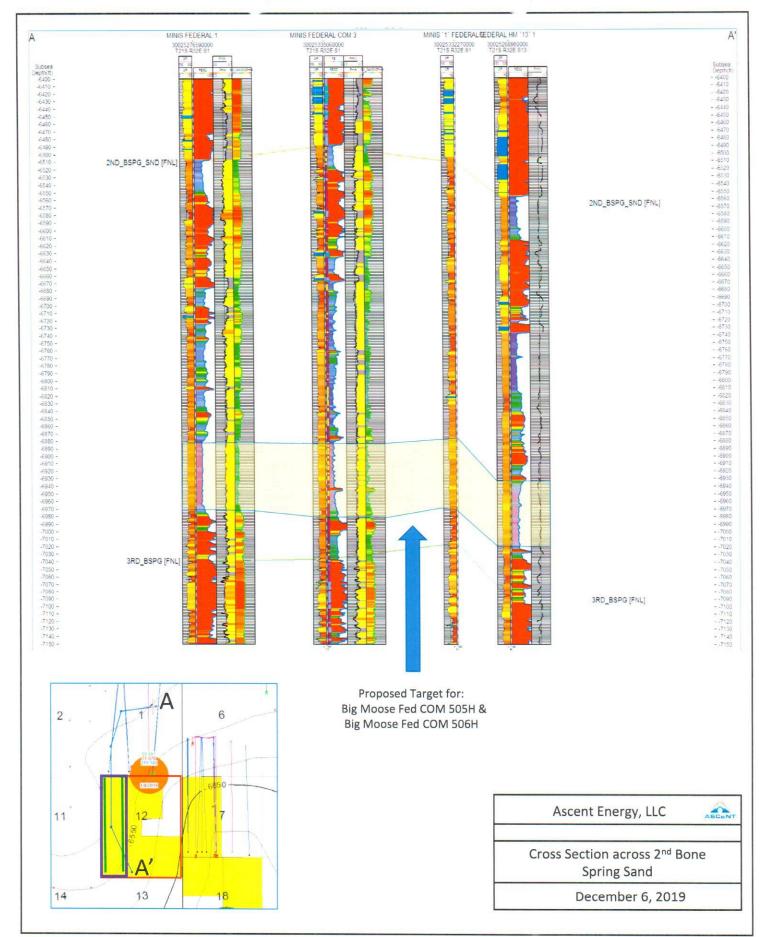
Notary Public

SHIRLEY MAE JOHNSON NOTARY PUBLIC - STATE OF COLORADO Notary ID #19984014766 My Commission Expires 5/28/2022

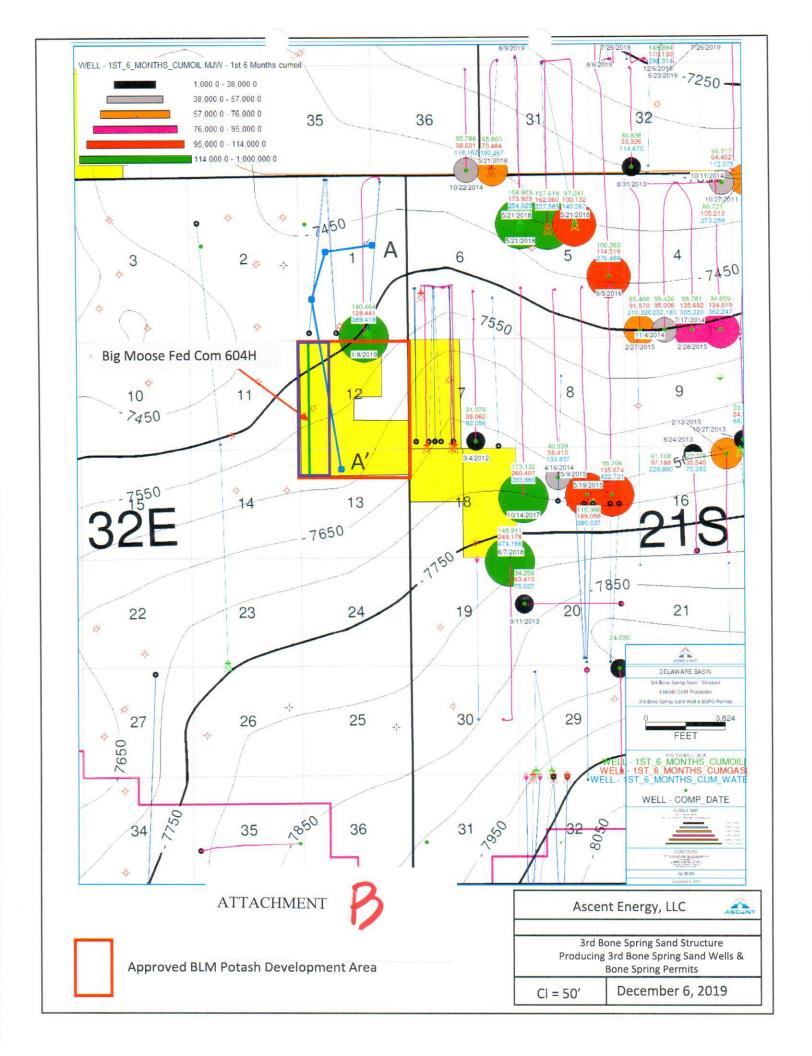


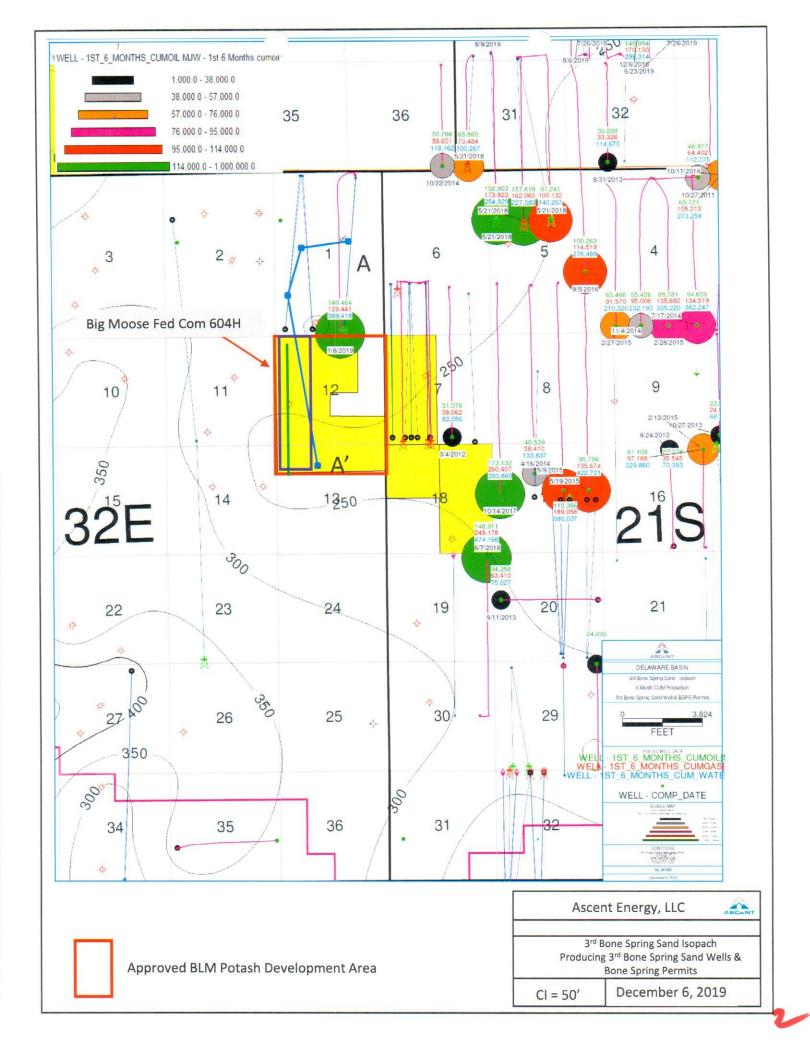


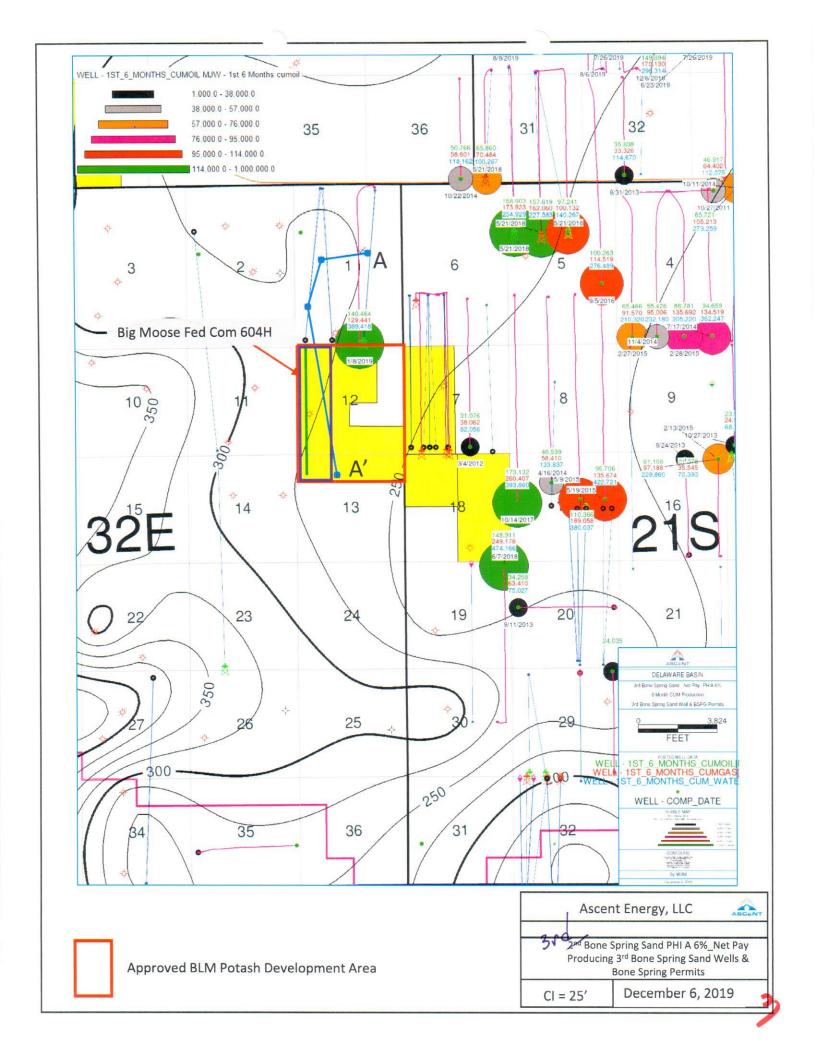


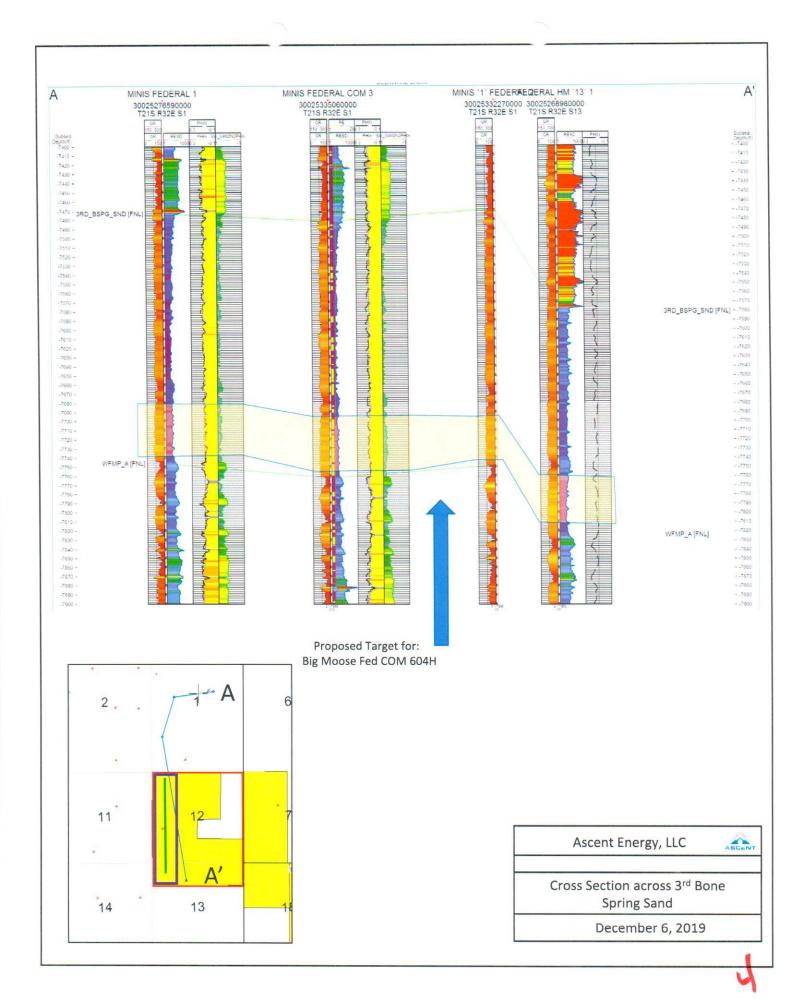


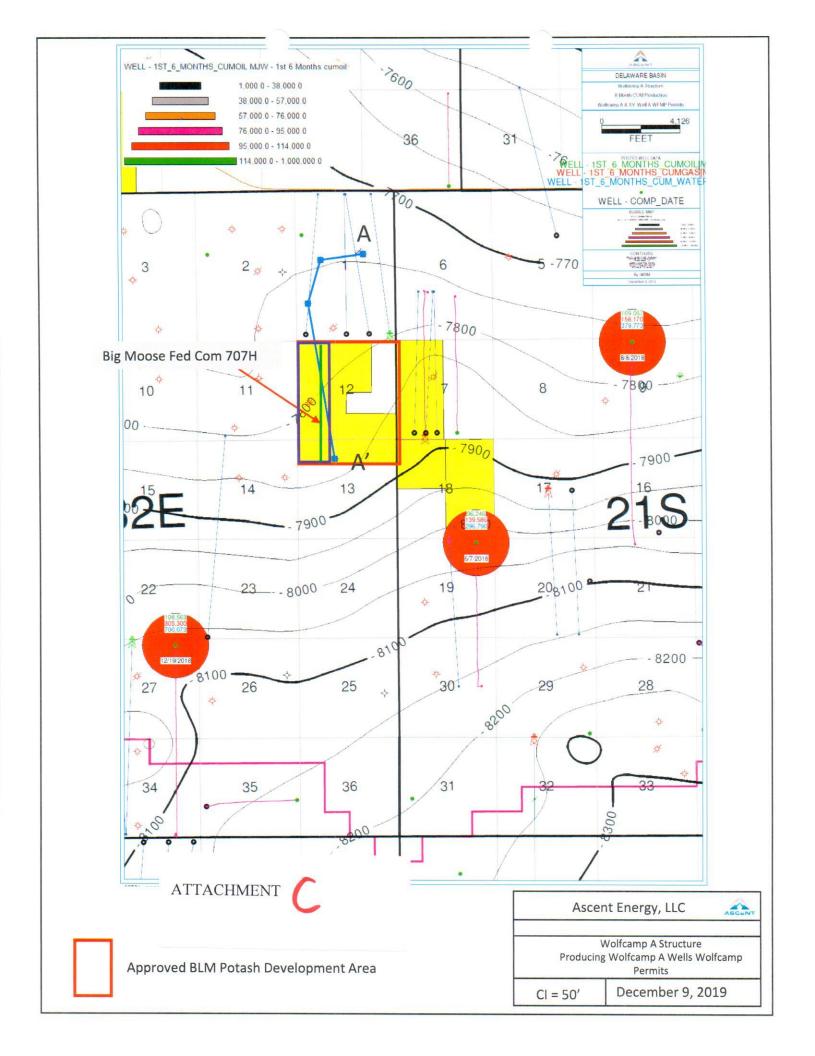


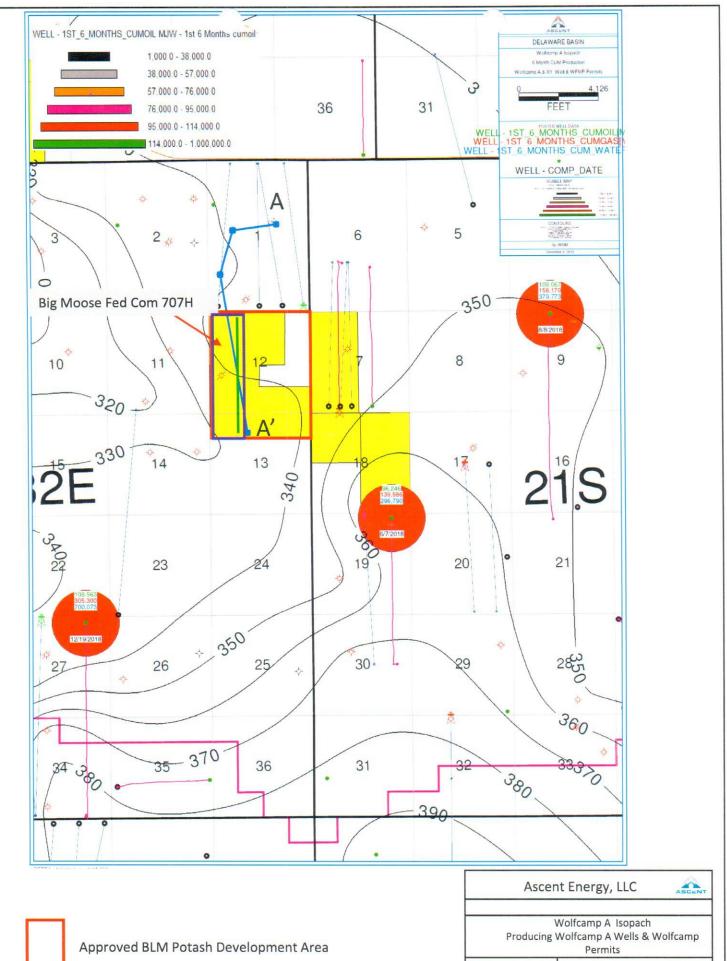






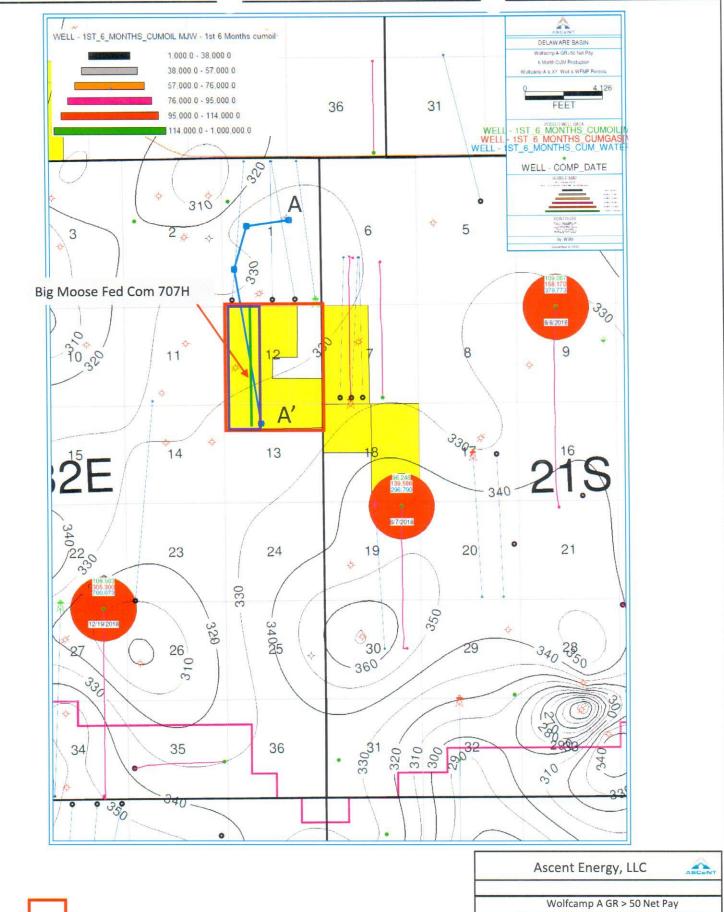






CI = 10'

December 9, 2019

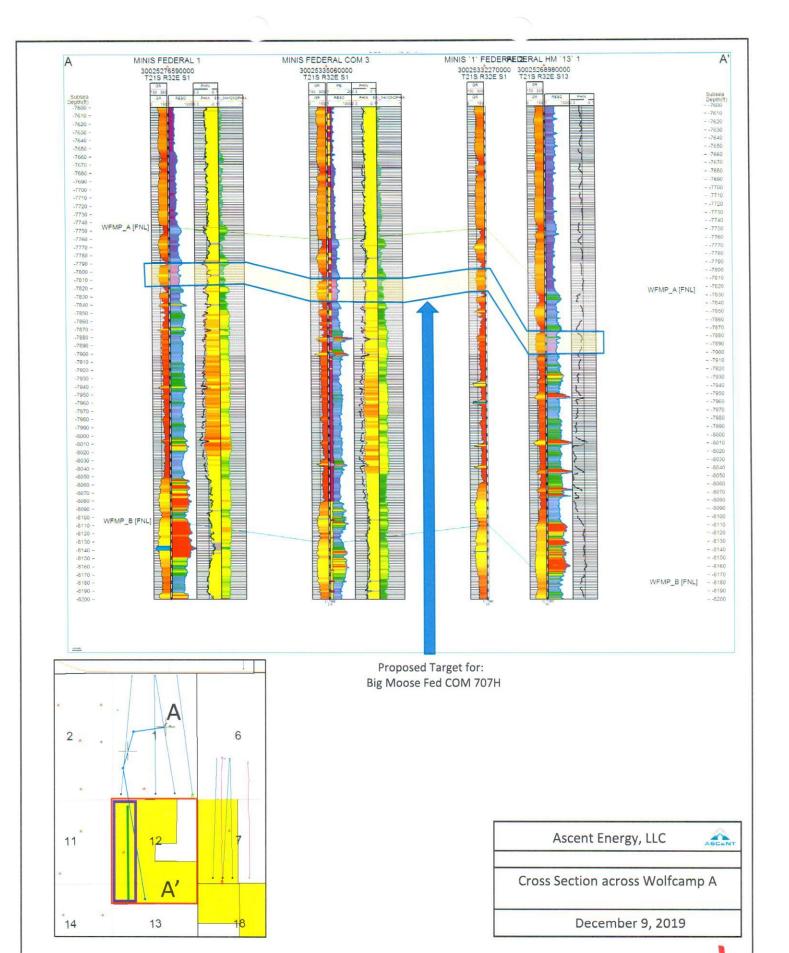


Approved BLM Potash Development Area

Wolfcamp A GR > 50 Net Pay Producing Wolfcamp A Wells & Wolfcamp Permits

CI = 10'

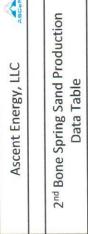
December 9, 2019



		2	SUNDON											
UWI (APINum)	Operator	WellLabel	Township Range Section	Range S	ection	SPUD DATE COMP DATE	COMP DATE	FIRST PROD DATE	LST 6 MONTHS CUMOIL BO	1ST_6_MONTHS_1ST_6_MONTHS_1ST_6_MONTHS_ CUMOIL BOCUMGAS_MCFCUM_WATER_	1ST_6_MONTHS_CUM_WATER_	CUMOIL CUMGAS CUMWTR	CUMWTR	HOR_ZONE
30025403650000	CIMAREX EN	ERA 2H	215	32E		1/8/2012	4/22/2012	3/1/2012	18,348	25,134	39,144	69,484 96,360	149,070	2ND BSPG S
30025405190000	30025405190000 ADVANCE ENERGY PARTNERS HAT MESA LLC	AO '6' STATE COM 001H	225	33E	9	10/1/2012	12/16/2012	12/1/2012	899'05	64,626	91,929	174,242 236,306	407,452	2ND BSPG S
30025411770000	30025411770000 ADVANCE ENERGY PARTNERS HAT MESA LLC	COOP 6 STATE 1H	225	33E	9	9/3/2013	2/28/2014	2/1/2014	59,872	64,820	119,877	177,571 300,752	365,929	2ND BSPG S
30025411780000	30025411780000 ADVANCE ENERGY PARTNERS HAT MESA LLC	DAGGER STATE UNIT 2H	215	33E	31	1/7/2014	8/16/2014	8/1/2014	47,357	57,382	126,229	122,176 202,178	335,018	2ND BSPG S
30025417800100	OXY USA WTP LP	ANDERSON '35' 3H	215	32E	35	7/24/2014 11/23/2014	11/23/2014	11/1/2014	32,596	14,668	111,309	78,782 51,092	302,652	2ND BSPG S
30025420660000	MARATHON OIL PERMIAN	ABE STATE 002H	215	33E	29 8	8/26/2014	1/15/2015	12/1/2014	24,035	15,955	113,886	76,897 94,952	251,053	2ND BSPG S
30025419810000	30025419810000 ADVANCE ENERGY PARTNERS HAT MESA LLC	COOP 6 STATE 2H	225	33E	9	8/31/2014	1/19/2015	1/1/2015	50,725	40,539	71,461	202,872 342,514	313,577	2ND BSPG S
30025422650000	OXY USA INC	SPEAK EASY FEDERAL U 3H	225	32E	2 1	12/29/2014 4/9/2015	4/9/2015	4/1/2015	26,357	14,974	63,540	84,488 58,635	200,122	2ND BSPG S
30025429040000	COG OPERATING LLC	WARBLER STATE COM 002Y	215	33E	28 1	10/31/2015 5/16/2016	5/16/2016	5/1/2016	73,465	84,599	294,552	198,647 308,907	674,926	2ND BSPG S
30025415180000	EOG RESOURCES INC	FRUIT LOOP 29 STATE 501H	215	33E	29 9	9/30/2015	6/21/2016	5/1/2016	145,520	144,676	269,927	394,926 464,167	624,193	2ND BSPG S
30025433100000	COG OPERATING LLC	WARBLER STATE COM 4H	215	33E	16	7/7/2016	9/28/2016	9/1/2016	78,690	92,074	278,749	327,176 633,885 1,068,626	1,068,626	2ND BSPG S
30025422300000	MARATHON OIL PERMIAN LLC	ABE STATE 003H	215	33E	32 1	10/11/2016 2/3/2017	2/3/2017	2/1/2017	81,899	77,020	169,015	177,161 147,808	266,488	2ND BSPG S
30025432760000	MEWBOURNE OIL CO	BILBREY 34-27 B2NC F 001H	215	32E	34	9/9/2016	3/23/2017	3/1/2017	110,054	125,713	457,784	271,802 278,812	901,562	2ND BSPG S
30025433020000	30025433020000 ADVANCE ENERGY PARTNERS HAT MESA LLC DAGGER STATE COM 504H	DAGGER STATE COM 504H	215	33E	30	7/25/2016	4/28/2017	4/1/2017	183,104	182,006	402,652	546,934 360,639 1,057,965	1,057,965	2ND BSPG S
30025438720000	MEWBOURNE OIL CO	BILBREY 34-27 B2MD F 001H	215	32E	34	8/8/2017	11/28/2017	11/1/2017	86,672	76,524	229,849	169,069 145,030	453,386	2ND BSPG S
30025436270000	30025436270000 ADVANCE ENERGY PARTNERS HAT MESA LLC DAGGER STATE COM 505H	DAGGER STATE COM 505H	215	33E	30 6	4/28/2018	8/17/2018	10/1/2018	159,039	157,280	337,693	209,932 204,184	444,163	2ND BSPG S
30025435640000	30025435640000 ADVANCE ENERGY PARTNERS HAT MESA LLC DAGGER STATE COM 506H	DAGGER STATE COM 506H	215	33E	30	6/2/2018	10/3/2018	10/1/2018	80,602	50,333	225,782	116,039 66,629	321,604	2ND BSPG S
30025436290000	30025436290000 ADVANCE ENERGY PARTNERS HAT MESA LLC DAGGER STATE COM 508H	DAGGER STATE COM 508H	215	33E	30	6/25/2018	10/4/2018	10/1/2018	121,364	106,167	210,380	170,403 162,385	270,793	2ND BSPG S
30025450090000	MEWBOURNE OIL CO	BILBREY 34-27 B20B F 002H	215	32E	34 8	8/13/2018 12/19/2018	12/19/2018	12/1/2018	56,178	53,226	217,062	83,149 77,638	295,503	2ND BSPG S
30025450120000	30025450120000 ADVANCE ENERGY PARTNERS HAT MESA LLC	AO 6 502H	225	33E	9	9/26/2018	12/31/2018	1/1/2019	905'62	78,199	191,414	97,255 95,413	216,367	2ND BSPG S
30025450260000	30025450260000 ADVANCE ENERGY PARTNERS HAT MESA LLC	AO 6 STATE COM 501H	225	33E	9	9/23/2018 12/31/2018	12/31/2018	1/1/2019	76,847	66,715	189,290	86,470 76,057	205,474	2ND BSPG S
30025448570000	CHISHOLM ENERGY OPERATING LLC	MINIS 1 FED COM 28S 011H	215	32E	1	10/26/2018 1/8/2019	1/8/2019	1/1/2019	68.691	71.670	219,149	86.763 85.243	246.094	2ND BSPG S



December 6, 2019



			DOIN SIG	50000	100 110	dig Moose Lea Colli Ootil Ootil Ootil Dolle Spillig Salia   Odaccioli Labic	III & Jailla   Johannio	וממוכ						
UWI (APINum)	Operator	Well Label	Township	ange Sec	tion SP	Range Section SPUD DATE COMP DATE FIRST PROD DATE	FIRST PROD DATE	1ST_6_MONTHS CUMOIL BO	1ST_6_MONTHS 1ST_6_MONTHS 1ST_6_MONTHS CUMOILBO CUMGAS_MCF_CUM_WATER_	1ST 6 MONTHS CUM WATER	CUMOIL	CUMGAS	CUMWTR	HOR ZONE
30025401300000	COG OPERATING LLC	CORAZON STATE UNIT 4H	215	33E	4 8/	8/11/2011 10/27/2011	1 10/1/2011	46,917	64,402	112,075	190,929	286,389	477,662	3RD BSPG S
30025403080000	CIMAREX ENERGY CO OF COLORADO	ADAMS STATE COM 3H	215	33E	6 10	10/19/2011 3/4/2012	2/1/2012	31,076	38,062	82,056	159,787	228,188	519,595	3RD BSPG S
30025409520000	COG OPERATING LLC	CORAZON STATE UNIT 10H	215	33E	4 1	11/4/2014 2/27/2015	2/1/2015	65,466	91,570	210,320	403,815	751,998	1,335,299	3RD BSPG S
30025409530000	COG OPERATING LLC	CORAZON STATE UNIT 11H	215	33E	4 6/	6/22/2014 11/4/2014	10/1/2014	55,426	92,006	232,180	326,492	652,610	652,610 1,194,772	3RD BSPG S
30025409540000	COG OPERATING LLC	CORAZON STATE UNIT 12H	215	33E	4 7/	7/24/2014 2/28/2015	2/1/2015	88,781	135,692	305,220	367,464	1,048,273	1,410,589	3RD BSPG S
30025409550000	COG OPERATING LLC	CORAZON STATE UNIT 13H	215	33E	4 3	3/6/2014 7/17/2014	1/2014	94,659	134,519	362,247	334,393	866'509	1,172,345	3RD BSPG S
30025410490100	COG OPERATING LLC	BOONE 16 STATE COM 2H	215	33E 1	16 6/	6/10/2013 8/24/2013	8/1/2013	21,378	35,545	70,393	101,325	126,880	326,603	3RD BSPG S
025410800100	30025410800100 ADVANCE ENERGY PARTNERS HAT MESA LLC	CROCKETT STATE 2H	215	33E 2	20 5/	5/19/2013 9/11/2013	8/1/2013	34,258	63,410	75,027	120,518	255,200	302,340	3RD BSPG S
30025411060000	COG OPERATING LLC	GOOSE STATE 1H	205	34E	32 6	6/5/2013 8/31/2013	8/1/2013	35,838	33,326	114,670	189,429	229,119	682,163	3RD BSPG S
30025412000000	COG OPERATING LLC	BOONE 16 STATE COM 1H	215	33E 1	16 10	10/11/2014 2/13/2015	2/1/2015	61,108	97,188	229,860	167,725	280,571	499,191	3RD BSPG S
30025412010000	COG OPERATING LLC	GOOSE STATE COM 2H	205	34E 3	32 1	1/3/2016 9/5/2016	6/1/2016	100,263	114,519	276,489	615,067	720,423	1,722,968	3RD BSPG S
30025412980000	COG OPERATING LLC	BECKNELL STATE COM 1H	215	33E	5 9/	9/26/2014 5/9/2015	4/1/2015	92,706	135,674	422,721	444,770	1,106,538	444,770 1,106,538 1,792,393	3RD BSPG S
30025412990000	COG OPERATING LLC	BECKNELL STATE COM 3H	215	33E	5 12	12/31/2013 4/16/2014	3/1/2014	40,539	58,410	133,837	127,213	206,163	518,529	3RD BSPG S
30025413230000	COG OPERATING LLC	BECKNELL STATE COM 2H	215	33E	5 12	12/24/2014 5/19/2015	5/1/2015	110,366	189,058	380,037	497,789	1,200,148	497,789 1,200,148 1,813,565	3RD BSPG S
30025415620000	EOG RESOURCES INC	TANGO BTP STATE COM 4H	205	33E 3	36 5/	5/10/2014 10/22/2014	4 10/1/2014	20,766	58,601	118,162	301,017	443,289	009'256	3RD BSPG S
30025430540000	EOG RESOURCES INC	DELLA 29 FEDERAL COM 602H	205	34E 2	29 7/	7/14/2016 12/6/2016	11/1/2016	149,894	170,130	298,314	365,671	397,525	706,048	3RD BSPG S
30025434150000	XTO ENERGY INC	SEVERUS 31 FEDERAL C 001H	205	34E 3	30 10	10/16/2017 5/21/2018	6/1/2018	97,241	100,132	140,267	195,577	177,554	263,942	3RD BSPG S
30025434160000	XTO ENERGY INC	SEVERUS 31 FEDERAL C 002H	205	34E 3	30 11	11/30/2017 5/21/2018	6/1/2018	157,619	162,060	227,583	292,104	294,001	392,570	3RD BSPG S
30025434170000	XTO ENERGY INC	SEVERUS 31 FEDERAL C 003H	205	34E 3	30 1	1/8/2018 5/21/2018	6/1/2018	158,903	173,923	254,929	303,906	305,661	422,564	3RD BSPG S
30025434180000	XTO ENERGY INC	SEVERUS 31 FEDERAL C 004H	205	34E 3	30 1	1/9/2018 5/21/2018	1/1/2018	098'59	70,484	100,267	138,356	150,557	184,083	3RD BSPG S
30025438560000	COG OPERATING LLC	BECKNELL STATE COM 004H	215	33E	5 7	7/2/2017 10/14/2017	7 10/1/2017	173,132	260,407	393,860	522,507	918,553	1,247,474	3RD BSPG S
30025444070000	ADVANCE ENERGY PARTNERS HAT MESA LLC	DAGGER STATE COM 604H	215	33E 3	30 4	4/3/2018 6/7/2018	6/1/2018	148,911	249,178	474,166	113,434	173,230	367,728	3RD BSPG S
30025444740000	EOG RESOURCES INC	DELLA 29 FEDERAL COM 603H	205	34E 2	29 1	1/6/2019 7/26/2019	7/1/2019				17,840	18,704	92,657	3RD BSPG S
30025444750000	EOG RESOURCES INC	DELLA 29 FEDERAL 604H	205	34E 2	29 12	12/19/2018 7/26/2019	7/1/2019				33,774	36,305	100,381	3RD BSPG S
30025444760000	EOG RESOURCES INC	DELLA 29 FEDERAL 605H	205	34E 2	29 12	12/21/2018 8/6/2019	8/1/2019				29,023	36,344	83,280	3RD BSPG S
30025444770000	EOG RESOURCES INC	DELLA 29 FEDERAL 606H	205	34E 2	29 17	12/6/2018 8/9/2019	8/1/2019				19,105	24,752	69,143	3RD BSPG S
30025448560000	CHISHOLM ENERGY OPERATING LLC	MINIS 1 FEDERAL COM 007H	215	32E	1 8/	8/21/2018 1/8/2019	1/1/2019	140,464	129,441	389,418	170,755	145,503	449,319	3RD BSPG S
3002545100000	COGODERATING LIC	HITTIE BEAR FEDERAL DOAH	200	5 JVE	33 10	10/28/2018 6/23/2019	6/1/2019				41.435	55 667	159 219	3RD RSPG S





3<sup>rd</sup> Bone Spring Sand Production Data Table December 6, 2019



		Big Moos	e Fed C	H707 mc	Offset Wo	fcamp A and	loose Fed Com 707H Offset Wolfcamp A and XY Sand Production Table	n Table						
UMI (APINum) Operator	Well Label	Township	Range	ection	PUD DATE	COMP DATE	TOT 6 MONTHS 1ST 6 MONTHS 1ST 6 MONTHS 1ST 6 MONTHS 1ST 6 MONTHS SEction SPUD DATE COMP DATE FIRST PROD DATE CUMOIL BO CUMGAS MCF CUM WATER CUMOIL CUMGAS CUMMTR HOR ZONE	CUMOIL BO	1ST 6 MONTHS 1ST 6 MONTHS 1ST 6 MONTHS CUMOIL BO CUMGAS MCF CUM WATER	1ST 6 MONTHS CUM WATER	CUMOIL	CUMGAS	CUMWTR	HOR ZONE
30025435530000 cog operating llc	BOONE 16 STATE COM 003H	215	33.	21	4/23/2018	21 4/23/2018 8/8/2018	8/1/2018	109,067	158,170	379,773	174,521	277,400	379,773 174,521 277,400 604,895 WCA	NCA
30025435650000 ADVANCE ENERGY PARTNERS HAT MESA LLC DAGGER STATE COM 701H	DAGGER STATE COM 701H	215	33E	30	2/23/2018	30 2/23/2018 6/7/2018	6/1/2018	96,246	139,586		214,732	423,243	296,790 214,732 423,243 736,342 WCXY	NCXY
\$0025450080000 MEWBOURNE OIL CO	BILBREY 34-27 W2PA F 001H	215	32E	34	9/16/2018	34 9/16/2018 12/19/2018	12/1/2018	108,563	305,300		161,872	460,832	700,073 161,872 460,832 1,029,776 WCA	NCA





Wolfcamp A & XY Sands Production Data Table December 9, 2019

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

APPLICATION OF ASCENT ENERGY, LLC FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

Case No. 20957

APPLICATION OF ASCENT ENERGY, LLC FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

Case No. 20958

#### SELF-AFFIRMED STATEMENT OF NOTICE

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

James Bruce deposes and states:

- 1. I am over the age of 18, and have personal knowledge of the matters stated herein.
- 2. I am an attorney for Ascent Energy, LLC.
- 3. Ascent Energy, LLC has conducted a good faith, diligent effort to find the names and correct addresses of the interest owners entitled to receive notice of the application filed herein.
- 4. Notice of the application was provided to the interest owners, at their last known addresses, by certified mail. Copies of the notice letter and certified return receipts are attached hereto as Attachment A.
  - 5. Ascent Energy, LLC has complied with the notice provisions of Division Rules.
- 6. I understand that this Self-Affirmed Statement will be used as written testimony in this case. I affirm that my testimony in paragraphs 1 through 5 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

Date: 12/11/19

James Bruce

EXHIBIT

JAMES BRUCE ATTORNEY AT LAW

POST OFFICE BOX 1056 SANTA FE, NEW MEXICO 87504

369 MONTEZUMA, NO. 213 SANTA FE, NEW MEXICO 87501

(505) 982-2043 (Phone) (505) 660-6612 (Cell) (505) 982-2151 (Fax)

jamesbruc@aol.com

November 21, 2019

#### **CERTIFIED MAIL**

To: Persons on Exhibit A

Ladies and gentlemen:

Enclosed are copies of two applications for compulsory pooling, filed with the New Mexico Oil Conservation Division by Ascent Energy, LLC, regarding:

- 1. Case No. 20957, for three Bone Spring wells in the W/2W/2 of Section 12 and NW/4NW/4 of Section 13; and
- 2. Case No. 20958, for one Wolfcamp well in the W/2W/2 of Section 12 and NW/4NW/4 of Section 13,

All in Township 21 South, Range 33 East, NMPM, Lea County, New Mexico.

These matters are scheduled for hearing at 8:15 a.m. on December 12, 2019, in Porter Hall at the Division's offices at 1220 South St. 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 these applications, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting these matters at a later date.

A party appearing in a Division case is required by Division Rules to file a Pre-Hearing Statement no later than Thursday, December 5, 2019. This statement must be filed with the Division's Santa Fe office at the above address, and should include: The names of the party and its attorney; a concise statement of the case; the names of the 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 need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to the undersigned.

ATTACHMENT

Very truly yours,

James Bruce

Attorney for Ascent Energy, LLC

### Exhibit A

Chevron Midcontinent, Inc. 6301 Deauville Blvd. Midland, Texas 79706

Advance Energy Partners, LLC Advance Energy Hat Mesa, LLC 11490 Westheimer Road, Suite 950 Houston, Texas 77077

Bullhead Energy, LLC 3629 Lovell Ave., Suite 200 Fort Worth, Texas 76107

U.S. Postal Service"  CERTIFIED MAIL® RECEINT  Domestic Mail Only  For delivery information, visit our website at www.usp3-com*.  Conflict Mail Fee  Extra Services & Fees (check box, add fee as appropriate)  Conflict Mail Fee  Conflict Mail Fees Fees (check box, add fee as appropriate)  Conflict Mail Fee  Conflict Mail Fees  Con	Total Postage and Fees  Sent To 3629 Lovell Ave., Suite 200  Sizeei and Apri. Fort Worth, Texas 76107  City, State, ZIP+4®  PS Form 3800, April 2015 PSN 7530-02-000-9047  See Reverse for Instructions	
COMPLETE THIS SECTION ON DELIVERY  A. Signature  X. The management of the property of the prop	3. Service Type  ☐ Adult Signature ☐ Adult Signature Restricted Delivery ☐ Certified Mail Restricted Delivery ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery ☐ Signature Confirmation ☐ Restricted Delivery ☐ Collect on Delivery ☐ Restricted Delivery	A – Am Domestic Return Receipt
SENDER: COMPLETE THIS SECTION  Complete items 1, L., And 3.  Print your name and address on the reverse so that we can return the card to you.  Attach this card to the back of the mailpiece, or on the front if space permits.  Article Addressed to:  Chevron Midcontinent, Inc.  Midland, Texas 79706	2. Article Mumber 77. Article Mumber 77. 701.8 3090 0011 4742 7	PS Form 3811, July 2015 PSN 7530-02-000-9053

	A.	
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	I DELIVERY
<ul> <li>Complete items 1,hd 3.</li> <li>Print your name and address on the reverse</li> </ul>	A. Signature	□ Agent
so that we can return the card to you.		
<ul> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	B. Received by (Printed Name)	G. Date of Delivery
1. Article Addressed to:	D. Is delivery address different from item 1? If YES, enter delivery address below:	om item 1? \( \text{Yes} \) below: \( \text{In No} \)
Bullhead Energy, LLC 3629 Lovell Ave., Suite 200 Fort Worth, Texas 76107	SHATE	
9590 9402 4582 8278 5879 76	3. Service Type  Adult Signature  Adult Signature Restricted Delivery  Certified Mail@  Certified Mail@  Certified Mail Restricted Delivery	Priority Mail Express®     Registered Mail™     Registered Mail Restricte     Delivery     Return Receipt for Marchandisa
2. Article Number ( <i>Transfer from service label</i> )	Collect on Delivery Restricted Delivery	
PS Form 3811, July 2015 PSN 7530-02-000-9053	4-8M	Domestic Return Receipt

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions Postmark Here For delivery information, visit our website at www.u CERTIFIED MAIL® RECRIPT Sent 70 Chevron Midcontinent, Inc. Street and Apt. No., or 16301 Deauville Blvd. Midland, Texas 79706 Extra Servicos & Fees (check box, add fee as appropriate)

| Return Receipt (hardcopy) \$
| Return Receipt (electronic) \$
| Certified Mail Restricted Delivery \$
| Adult Signature Restricted Delivery \$
| U.S. Postal Service" Domestic Mail Only S Total Postage and Fees City, State, ZIP+4® ertified Mail Fee 2424 TOOO OPOE BIOL

Domestic Return Receipt.

## USPS Tracking

FAQs >

### Track Another Package +

Tracking Number: 70183090000147427229

Remove X

Your item was delivered to an individual at the address at 12:20 pm on November 25, 2019 in HOUSTON, TX 77077.

<b>⊘</b> Delivered	U.S. Postal Service™
November 25, 2019 at 12:20 pm Delivered, Left with Individual HOUSTON, TX 77077	CERTIFIED MAIL® RECEIPT  Domestic Mail Only  For delivery information, visit our website at www.usps.com®.
Get Updates V	Certified Mail Fee  \$ Extra Services & Fees (check box, add fee as appropriate)  Return Receipt (hardcopy)    Return Receipt (electropic)
Text & Email Updates	Cortified Mail Restricted Delivery \$ Postmark    Adult Signature Required \$ Here   Adult Signature Restricted Delivery \$ Postage
Tracking History	Total Postage and Fees  \$ Sent To Advance Energy Partners, LLC Advance Energy Hat Mesa, LLC Advance Energy Hat Mesa, LLC Street and Apt. 11490 Westlemer Road, Suite 950
Product Information	PS Form 3800, April 2015 PSN 7530-02-000-9047  See Reverse for Instructions

See Less ^

## Can't find what you're looking for?

Go to our FAQs section to find answers to your tracking questions.

# **Advertising Invoice**

Hobbs Daily Net Sun

201 N Thorp P. O. Box 850 Hobbs, NM 88241

Phone: 575-393-2123 Fax: 575-397-0610

URL: www.hobbsnews.com

JAMES BRUCE JAMES BRUCE, ATTORNEY AT LAW P.O. BOX 1056 SANTA FE, NM 87504

Customer #: 01101711

Phone:

(505)982-2043 11/21/2019

Date:

Ad #:

00236302

Salesperson:

HA

Ad Taker:

Kayla

Class:

Sort Line:

672

34897 CASE NO. 20957

Ad Notes:

Description Amount AFF2 Affidavits (Legals) 6.25 **BOLD** bold 1.00 6.92 07 07 Daily News-Sun 2019-11-23 94.38

**EXHIBIT** 

Ad Text:

LEGAL NOTICE NOVEMBER 23, 201

To: Bullhead Energy, LLC, Chevron Midcontinent, Inc., Advance Energy Partners, LLC, and Advance Energy Hat Mesa, LLC, or your successors or assigns: Ascent Energy, LLC has filed the following applications with the New Mexico Oil Conservation Division:

Case No. 20957: Ascent Energy, LLC seeks an order pooling all mineral interests in the Bone Spring formation underlying a horizontal spacing unit comprised of the W/2W/2 of Section 12 and the NW/4NW/4 of Section 13, Township 21 South, Range 32 East,

Payment Reference:

null

Total:

101.63

Tax:

6.92

Net:

108.55

Prepaid:

null

**Total Due** 

108.55

### LEGAL NOTICE NOVEMBER 23, 201

To: Bullhead Energy, LLC, Chevron Midcontinent, Inc., Advance Energy Partners, LLC, and Advance Energy Hat Mesa, LLC, or your successors or assigns: Ascent Energy, LLC has filed the following applications with the New Mexico Oil Conservation Division:

Case No. 20957: Ascent Energy, LLC seeks an order pooling all mineral interests in the Bone Spring formation underlying a horizontal spacing unit comprised of the W/2W/2 of Section 12 and the NW/4NW/4 of Section 13, Township 21 South, Range 32 East, NMPM. The unit will be dedicated to the Big Moose Fed. Com. Well Nos. 505H, 506H, and 604H, with first take points in the NW/4NW/4 of Section 12 and last take points in the NW/4NW/4 of Section 13. The wellbore of the Big Moose Fed. Com. Well No. 505H will be located 1254 feet from the west line of Sections 12 and 13, and applicant requests approval of the unorthodox location.

Case No. 20958: Ascent Energy, LLC seeks an order pooling all mineral interests in the Wolfcamp formation underlying a horizontal spacing unit comprised of the W/2W/2 of Section 12 and the NW/4NW/4 of Section 13, Township 21 South, Range 32 East, NMPM. The unit will be dedicated to the Big Moose Fed. Com. Well No. 707H, with a first take point in the NW/4NW/4 of Section 12 and a last take point in the NW/4NW/4 of Section 13. Also to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a 200% charge for the risk involved in drilling and completing the well.

Also to be considered will be the cost of drilling and completing the wells and the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of applicant as operator of the wells, and a 200% charge for the risk involved in drilling and completing the wells. The applications are scheduled to be heard at 8:15 a.m. on Thursday, December 12, 2019 at the Division's offices at 1220 South St. Francis Drive, Santa Fe. New Mexico 87505. As an interest owner in the well units, you have the right to enter an appearance and participate in the cases. Failure to appear will preclude you from contesting these matters at a later date. The attorney for applicant is James Bruce, P.O. Box 1056, Santa Fe, New Mexico 87504. The units are located approximately 6 miles southeast of Halfway, New Mexico.

#34897