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. 16484

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

Case No. 16486

VERIFIED STATEMENT OF LEE ZINK

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

- 1. I am a landman 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 NMAC 19.15.4.12.A(1), 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 Gavilon 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) A plat outlining the Bone Spring unit being pooled in Case 16484 is attached hereto as Attachment B. Ascent seeks an order pooling all mineral interests in the Bone formation underlying the W/2E/2 of Section 28 and the W/2E/2 of Section 33, Township 20 South, Range 33 East, NMPM. The unit will be dedicated to:

EXHIBIT /

- (i) the Gavilon Fed Com Well No. 506H, a Second Bone Spring test; and
- (ii) the Gavilon Fed Com Well No. 604H, a Third Bone Spring test.

They are horizontal wells with first and last take points set forth in the C-102s included in the geologist's affidavit. The wells will comply with Division setback requirements.

The parties being pooled and their interests are set forth in Attachment B.

- (e) A plat outlining the Wolfcamp unit being pooled in Case 16486 is attached hereto as Attachment C. Ascent seeks an order pooling all mineral interests in the Wolfcamp formation underlying the W/2E/2 of Section 28 and the W/2E/2 of Section 33, Township 20 South, Range 33 East, NMPM. The unit will be dedicated to:
 - (i) the Gavilon Fed Com Well No. 707H, a lower Wolfcamp A test; and
 - (ii) the Gavilon Fed Com Well No. 708H, a upper Wolfcamp X Sand test.

They are horizontal wells with first and last take points set forth in the C-102s included in the geologist's affidavit. The wells will comply with Division setback requirements.

The parties being pooled and their interests are set forth in Attachment C.

- (f) There are no depth severances in the Bone Spring and Wolfcamp formations.
- (g) Attachment D is a well proposal sent to the parties being pooled. Similar letters were sent to all other working interest owners. Ascent has had numerous contacts with all interest owners.
- (h) Ascent has made a good faith effort to obtain the voluntary joinder of the working interest owners in the proposed well.
- (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 Lea 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 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 wells.
- (m) The attachments to this affidavit were prepared by me, or compiled from Company business records.
- (n) The granting of this application is in the interests of conservation and the prevention of waste.

VERIFICATION

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

Lee Zink, being duly sworn upon his oath, deposes and states that: He is a landman 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.

LeeZink

SUBSCRIBED AND SWORN TO before me this Zink.

day of January, 2019 by Lee

My Commission Expires:

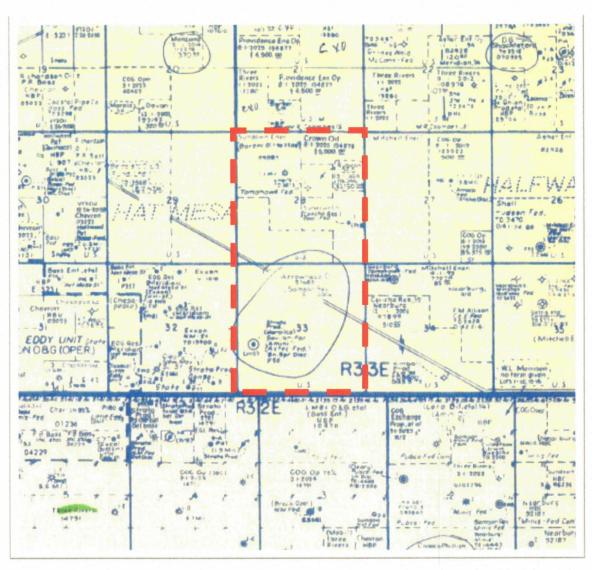
5/1/2021

Notary Public

ROSELYN KLINZMAN-BOGS NOTARY PUBLIC STATE OF COLORADO NOTARY ID 19994030357 MY COMMISSION EXPIRES 08/01/2021

Gavilon Development Area Township 20 South, Range 33 East

Section 28: All Section 33: All 1,280.00 Gross Acres Lea County, NM





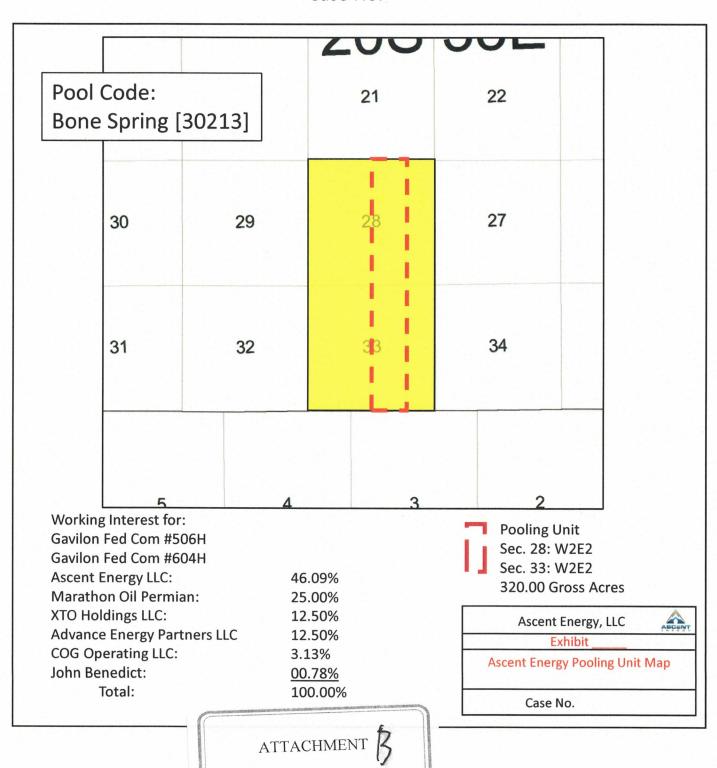




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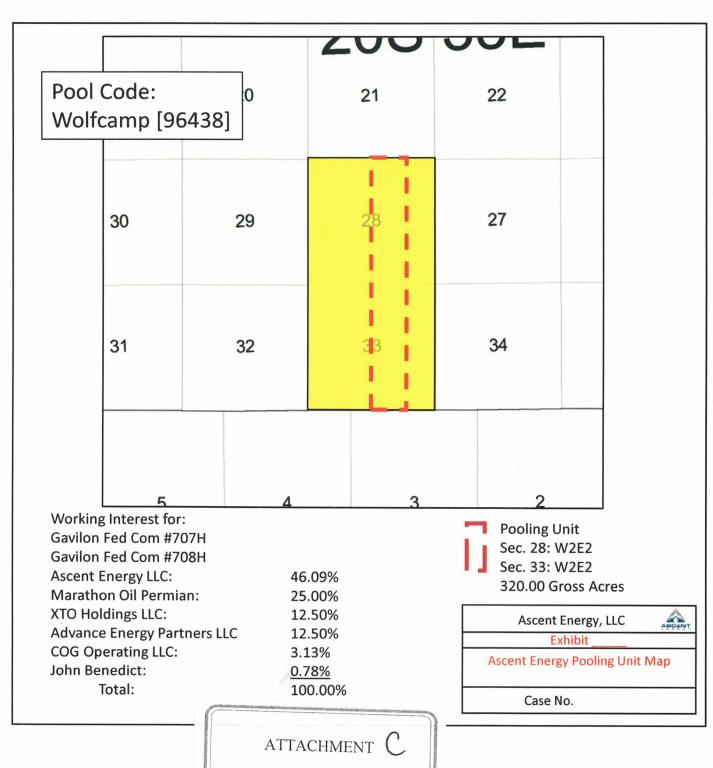
Township 20 South, Range 33 East

Section 28: W2E2 Section 33: W2E2 320.00 Gross Acres Lea County, NM Case No.



Township 20 South, Range 33 East

Section 28: W2E2 Section 33: W2E2 320.00 Gross Acres Lea County, NM Case No.





July 31, 2018

Marathon Oil Permian LLC 5555 San Felipe Street Houston, Texas 77056

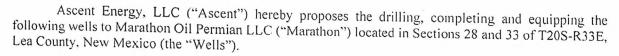
Attn: Mr. Matt Brown

RE: Gavilon Development Area

<u>T20S-R30E</u> Sec. 28: W2E2 Sec. 33: W2E2

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

Dear Working Interest Owner:



1) Gavilon Fed Com #506H (the "506H Well") to test the Bone Spring formation at a total vertical depth of 10,537 and a total measured depth of 21,164. The proposed surface location of the 506H Well is 290' FSL, 1,781' FEL, T20S-R33E Sec. 33 with a bottom hole location of 100' FNL, 2,178' FEL, T20S-R33E Sec. 28.

The estimated cost associated with the 506H Well is \$9,278,660, as outlined in the enclosed Authority for Expenditure dated July 31, 2018. Ascent's records indicate that Marathon owns a 25% working interest in the 506H Well, and Marathon's estimated costs is approximately \$2,319,665.

2) Gavilon Fed Com #604H (the "604H Well") to test the Bone Spring formation at a total vertical depth of 11,401' and a total measured depth of 22,028'. The proposed surface location of the 604H Well is 290' FSL, 1,806' FEL, T20S-R33E Sec. 33 with a bottom hole location of 100' FNL, 2,310' FEL, T20S-R33E Sec. 28.

The estimated cost associated with the 604H Well is \$9,373,200, as outlined in the enclosed Authority for Expenditure dated July 31, 2018. Ascent's records indicate that Marathon owns a 25% working interest in the 604H Well, and Marathon's estimated costs is approximately \$2,343,300.

3) Gavilon Fed Com #707H (the "707H Well") to test the Wolfcamp formation at a total vertical depth of 11,688' and a total measured depth of 22,315'. The proposed surface location of the 707H Well is 290' FSL, 1,831' FEL, T20S-R33E Sec. 33 with a bottom hole location of 100' FNL, 2,310' FEL, T20S-R33E Sec. 28.

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July 31, 2018 Gavilon Development Area Page 2 of 4

The estimated cost associated with the 707H Well is \$9,955,681, as outlined in the enclosed Authority for Expenditure dated July 20, 2018. Ascent's records indicate that Marathon owns a 25% working interest in the 707H Well, and Marathon's estimated costs is approximately \$2,488,920.

4) Gavilon Fed Com #708H (the "708H Well") to test the Wolfcamp formation at a total vertical depth of 11,509' and a total measured depth of 22,136'. The proposed surface location of the 708H Well is 290' FSL, 1,706' FEL, T20S-R33E Sec. 33 with a bottom hole location of 100' FNL, 1,650' FEL, T20S-R33E Sec. 28.

The estimated cost associated with the 708H Well is \$9,870,392, as outlined in the enclosed Authority for Expenditure dated July 31, 2018. Ascent's records indicate that Marathon owns a 25% working interest in the 708H Well, and Marathon's estimated costs is approximately \$2,467,598.

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

- Contract Area:
 - Township 20 South, Range 33 East
 - Section 28: W2E2
 - Section 33: W2E2
- Ascent named as Operator
- 100%/300%/300% non-consent penalties
- \$8,000.00/\$800.00 drilling and producing overhead rates

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

July 31, 2018 Gavilon Development Area Page 3 of 4

Ascent looks forward to working with Marathon 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 lizink@ascentenergy.us.

Very Truly Yours,

Lee Zink

Land Manager

Ascent Energy, LLC

1621 18th Street, Suite 200

Denver, CO 80202

Enclosure(s): Ga

Gavilon Fed Com #506H AFE

Gavilon Fed Com #604H AFE Gavilon Fed Com #707H AFE Gavilon Fed Com #708H AFE

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

July 31, 2018 Gavilon Development Area Page 4 of 4

Well Election(s)

Marathon hereby elects to participate in the proposed Gavilon Fed Com 506H by paying its proportionate share of the costs outlined on the associated AFE.
Marathon hereby elects not to participate in the proposed Gavilon Fed Com 506H.
Marathon hereby elects to participate in the proposed Gavilon Fed Com 604H by paying its proportionate share of the costs outlined on the associated AFE.
Marathon hereby elects not to participate in the proposed Gavilon Fed Com 604H.
Marathon hereby elects to participate in the proposed Gavilon Fed Com 707H by paying its proportionate share of the costs outlined on the associated AFE.
Marathon hereby elects not to participate in the proposed Gavilon Fed Com 707H.
Marathon hereby elects to participate in the proposed Gavilon Fed Com 708H by paying its proportionate share of the costs outlined on the associated AFE.
Marathon hereby elects not to participate in the proposed Gavilon Fed Com 708H.
Working Interest Owner:
Marathon Oil Permian LLC
By:
Title:
Date:

COST CENTER	R <u>G</u>	Savilon Fed Com 506H		BUD YEAR CATEGORY		SUF	DATE	July 31, 2018	
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OBJECTIVE	_		ELL NO. TATE	NM		-	W.I. MD/TVD	+/-21 164/10 527	
	_	DECT START DATE: 1Q2019		1017		***************************************	110/140	+/-21,164/10,537	
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8305 102 8305 103	3 5	Rig Move - MIRU, RDMO Rig Contractor-Daywork/FT			-	The second second	\$100,000		100,000
8305 104	4 1	Rig Contractor-Turnkey					\$696,000		090,000
8305 105		Power & Fuel					\$130,000		130,000
8305 106 8305 107		Drill Fluids & Chemicals Bits, Reamer, Stabilizers					\$125,000		125,000
8305 108		Cement & Cementing Services			+		\$105,000 \$210,000		210,000
8305 109		Mud Logging				1 / material and an action	\$80,000		80,000
8305 110 8305 111	1 1	Open Hole Logging Csg Crews & Tools				A STATE OF THE STA			30,000 95,000
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8305 117		Contract Labor & Services				14 114 114	\$125,000		+ 125,000
8305 118		Wellsite Consultants				BK You said to the time.	\$116,000		116,000
8305 119 8305 120		Company Supervison & Labor Transportation			-	24.90	\$20,000		20,000
8305 12	1	Mud,Cuttings & Water Disposal			-	Estimate Allegan	\$80,000		80,000
8305 12 8305 12		Insurance Overhead				allygen programmed to programs in all	\$40,410		40,410
8305 12		Water & Water Well			-	ALESSO CAMBELLA	\$25,000 \$50,000		25,000 50,000
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8305 12		Legal				新疆,新疆 北京中央	\$50,000		50,000
8305 12 8305 12		Outside Operated Other Permits			-	AND PROPERTY OF LAND	420,000		0
8305 12		Environmental & Safety			+	STORY CASE CANAL	\$20,000		20,000
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		SUB-TOTAL INTANGIBLE DRILLING COSTS	-				\$2,802,410		0
	1	INTANGIBLE COMPLETION COSTS					\$2,802,410		\$2,802,410
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8306 20		Location & Cleanup		Rate	Units		er e	COMPLETION \$10,000	\$10,000
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3WA/2	TANGIBLE COMP	LETION COSTS		E 100			
ACCT.	DESCRIPTION		Rate	Units	Color Water Inc.		
8309 401	Production Casing				and the second of the second o	COMPLETION	TOTAL WELL COST
8309 402			\$ -	0		340,000	\$340,00
8309 403	Subs Flt Foot Centralize	rs Ftc	<u> </u>	0		40,000	40,00
8309 404	ISUB Surface Equipment				Action to the species provided the second		
8309 405	Xmas Tree Upper Section	n			And the second of the second o	30,000	30,00
8309 406	Outside Operated Other				The state of the s	60,000	60,00
				-	100 TO BE TO UNE TO THE STATE OF THE TOTAL TO THE T		
	SUB-TOTAL TANGIBLE COMPL	ETION COSTS				4470.000	
	SUB-TOTAL TANGIBLE COSTS				+40F 000	\$470,000	\$470,000
	SUB-TOTAL INTANGIBLE & TA	NGIBLE COSTS			\$405,000	\$470,000	\$875,000
A STATE OF THE STA	PRODUCTION EQU	JIPMENT COSTS	EL SALE CONTINUES.		\$3,207,410	\$5,546,250	\$8,753,660
					WEPUAN AND STREET		
8311 501	Artificial Lift Equipment				The second secon	COMPLETION	TOTAL WELL COST
8311 502	Prime Mover Electric Ga	s				\$15,000	\$15,00
8311 503					The second of th		Esq. CS
8311 504					THE STATE OF THE S	50,000	50.00
8311 505	Oil Treating Heating Equ	ipment			STORMER LAND AND AND AND AND AND AND AND AND AND	50,000	30,00
8311 506 8311 507		pment			CONTRACTOR CONTRACTOR CONTRACTOR		Andrew State Charles
8311 508					304 345 F. F. F. F. F. L. A. S. F. F. L.	70,000	70,00
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8311 510					是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	20,000	20.00
8311 510					the to retrict and the second	20,000	20,00
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8311 513		rtation			Control of the Contro	130,000	130,00
8311 514		itation			李的"一世"。 我们就是整个孩子就在第一个高多名。		NAME OF THE PERSON OF THE PERS
8311 515					· 等。		
8311 516						10,000	10,00
8311 517	Chemical Injection System	em				15,000	15,00
8311 518	Piping & Valves	C111			(XD) 2 (N) 2 (N)		St. Database
8311 519	Welding				ATTACAME OF THE PROPERTY OF STATE OF THE PARTY OF	50,000	50,00
8311 520							tor: 15 - 6 - 12 Pag to 2 2
8311 521	Filters				Control of the Contro	5,000	5,00
8311 522	Outside Operated Other				S. Tartor in Co. Mary M. Mary R. W. Mary S. Co.		· 注册的一个人,我们的图案的"数"
8311 523	Environmental & Safety				THE THE PROPERTY OF THE PROPERTY OF THE PARTY OF THE PART		State of Parallel March
8311 524					· · · · · · · · · · · · · · · · · · ·	10,000	10,000
8311 525	Surface Facilities				ENERGY TARREST LANGE TO THE PERSON OF THE PE	30,000	30,000
					THE RESIDENCE WITH THE PROPERTY OF THE PROPERT	15,000	15,000
	SUB-TOTAL PRODUCTION EC	HIDMENT					
						\$525,000	\$525,00
	SUB-TOTAL INTANGIBLE CO	STS (PAGE 1)			\$2,802,410	\$5,076,250	
	SUB-TOTAL TANGIBLE COST	rs (PAGE 2)			\$405,000		\$7,878,66
		GRAND TOTA	AL			\$470,000	\$875,00
			DE INTERESTS		\$3,207,410	\$6,071,250	\$9,278,66
					\$3,207,410	\$6,071,250	\$9,278,66
		TOTAL NET (COSTS		\$0	\$0	\$
Vatica to No.						40	
on monies which	erator: Costs shown on this form n will be required to perform the	n are estimates only. Nonoper proposed operation,	ators should not consider th	nese estimates a	s establishing any limit		
REPARED BY			DATE				
	100		DATE		GROSS AFE AMOUNT - DRY HOLE		#7 707 **
					NET DRYHOLE AFE AMOUNT		\$3,207,41
PPROVED			DATE				\$
					NET ASSET TRANSFERS		\$
PPROVED			DATE		CASH OUTLAY THIS AFE		\$
			onic.		PREVIOUS AFE'S ISSUED		
					TOTAL CASH OUTLAY		\$
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	WORKING INTERE	WORKING INTERES	7				
			21		APPROVED BY		DATE
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COST CE	NTER _	Gavilon Fed Com 604H		BUD YEAR CATEGORY		DATE SUPPLEMENT NO.	July 31, 2018	
FIELD OPERATO		Hat Mesa	REGION	Delaware I		LEGAL:	20S 33E	
OBJECTI		Ascent Energy, LLC 3rd Bone Spring	WELL NO.			w.i.		
		DIECT START DATE: 1Q2019	STATE	NM MC			TVD +/-22,028/11,401'	
		Drill a 10,360 lateral in the 3rd Bone Spring :		tages. Assumes	4 string desi	gn.		
AC	т.	DESCRIPTION		Rate	T	DRYHOLE		
8305	101	Location Cleanup & Damages		Kate	Units	DRYHOLE \$125,000	,	\$125,000
8305	102	Rig Move - MIRU, RDMO				\$100,000		100,000
8305 8305		Rig Contractor-Daywork/FT Rig Contractor-Turnkey				\$720,000		720,000
8305		Power & Fuel				\$140,000		140,000
8305	106	Drill Fluids & Chemicals				\$135,000		135,000
8305		Bits, Reamer, Stabilizers				\$110,000		110,000
8305 8305	108	Cement & Cementing Services Mud Logging				\$215,000 \$82,000		215,000 82,000
8305	110	Open Hole Logging				\$30,000		30,000
8305 8305		Csg Crews & Tools				\$100,000		100,000
8305	112	Directional Tools & Service Form Eval - Well Testing DST - Coring, S	ampling			\$220,000		220,000
8305	115	Tubular Inspection	unipinig			\$20,000		20,000
8305		Equipment Rentals				\$340,000		340,000
8305 8305	117	Contract Labor & Services Wellsite Consultants			-	\$135,000 \$120,000		135,000
8305	119	Company Supervison & Labor			+	120,000 special specia	**************************************	120,000
8305	120	Transportation				\$20,000		20,000
8305 8305	121	Mud,Cuttings & Water Disposal Insurance				\$90,000 \$41,950		90,000
8305	123	Overhead				\$41,950 \$25,000	-	41,950 25,000
8305 8305	124	Water & Water Well				\$55,000		55,000
8305	126	Unanticipated MjrExp (Fishing) Legal			-	\$50,000		0
8305	127	Outside Operated Other			-	\$50,000		50,000
8305	128	Permits				\$20,000		20,000
8305 8305	129	Environmental & Safety Plugging			-	\$20,000		20,000
		SUBTOTAL				\$2,913,950		\$2,913,950
8305	199	CONTINGENCY (%) 0.00%				72,713,730		32,313,330
Ļ		SUB-TOTAL INTANGIBLE DRILLING COSTS				\$2,913,950		\$2,913,950
	CT.	INTANGIBLE COMPLETION CO DESCRIPTION	515					
				Rate	Units		COMPLETION	TOTAL WELL COST
8306 8306	201	Location & Cleanup Power & Fuel		Kate	Units		\$10,000	\$10,000
8306 8306 8306	201 202 203	Location & Cleanup Power & Fuel Compl Fluids & Chemicals		Kate	Units	THE RESERVE OF THE PROPERTY OF	\$10,000 10,000	\$10,000 10,000
8306 8306 8306	201 202 203 204	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers		Kate	Units	19 Santagara (1995) (February) 19 Santagara (1995) (February)	\$10,000	\$10,000 10,000 45,000
8306 8306 8306	201 202 203	Location & Cleanup Power & Fuel Compl Fluids & Chemicals		Kate	Units	THE RESERVE OF THE PROPERTY OF	\$10,000 10,000 45,000	\$10,000 10,000 45,000 0
8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logging & Perforation Svcs Csg Crews & Tools-Drive Hammer		Kate	Units	19 Santagara (1995) (February) 19 Santagara (1995) (February)	\$10,000 10,000	\$10,000 10,000 45,000 0 0
8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208	Location & Cleanup Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logging & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs		Kate	Units	19 Santagara (1995) (February) 19 Santagara (1995) (February)	\$10,000 10,000 45,000	\$10,000 10,000 45,000 0 0 1275,000
8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207	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		Kate	Units	19 Santagara (1995) (February) 19 Santagara (1995) (February)	\$10,000 10,000 45,000	\$10,000 10,000 45,000 0 0 275,000 3,500,000
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 Logging & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection		Kate	Units	19 Santagara (1995) (February) 19 Santagara (1995) (February)	\$10,000 10,000 45,000 275,000	\$10,000 10,000 45,000 0 275,000 0 3,500,000
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 Logging & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulatn Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals		Kate	Units		\$10,000 10,000 45,000 275,000	\$10,000 10,000 45,000 0 275,000 0 3,500,000
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 Logging & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulath Acid Frac Formation Evaluation Tubular Inspection		Kate	Units		\$10,000 10,000 45,000 275,000 3,500,000	\$10,000 10,000 45,000 0 275,000 0 3,500,000 0 165,000
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215	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 Stimulatn Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor		Kate	Units		\$10,000 10,000 45,000 275,000	\$10,000 10,000 45,000 0 275,000 0 3,500,000 165,000 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 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		Kate	Units		\$10,000 10,000 45,000 275,000 3,500,000 165,000	\$10,000 10,000 45,000 0 275,000 10 3,500,000 165,000 120,000
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215	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 Stimulatn Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor		Kate	Units		\$10,000 10,000 45,000 275,000 3,500,000	\$10,000 10,000 45,000 0 275,000 0 3,500,000 165,000 120,000 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	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		Kate	Units		\$10,000 10,000 45,000 275,000 3,500,000 165,000 20,000	\$10,000 10,000 45,000 0 275,000 3,500,000 165,000 120,000 20,000 15,000
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220	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 Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well		Kate	Units		\$10,000 10,000 45,000 275,000 3,500,000 165,000 120,000 15,000	\$10,000 \$10,000 \$45,000 \$000 \$275,000 \$000 \$15,000 \$15,000 \$15,000 \$000 \$15,000 \$0000 \$0000 \$000 \$000 \$000 \$0000 \$0000 \$0000 \$0000 \$0000 \$0000 \$0000 \$0000 \$
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 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		Kate	Units		\$10,000 10,000 45,000 275,000 3,500,000 165,000 120,000 20,000 15,000	\$10,000 10,000 45,000 0 275,000 3,500,000 165,000 20,000 20,000 15,000 0 641,250
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223	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 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		Kate	Units		\$10,000 10,000 45,000 275,000 3,500,000 165,000 20,000 20,000 641,250	\$10,000 10,000 45,000 0 275,000 0 3,500,000 165,000 120,000 120,000 15,000 0 0 412,000 15,000 0 0 0 0 0 0 0 0 0 0 0 0
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 229 220 221 222 221 222	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 Misc Supplies & Materials Flowback Testing Misc Supplies & Materials Flowback Testing		KATG	Units		\$10,000 10,000 45,000 275,000 3,500,000 165,000 20,000 15,000 641,250 95,000 35,000	\$10,000 10,000 45,000 0 275,000 0 3,500,000 15,000 20,000 120,000 0 20,000 15,000 0 0 0 0 0 0 0 0 0 0 0 0
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223	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 Misc Supplies & Materials Flowback Testing Legal & Permits		Kate	Units		\$10,000 10,000 45,000 275,000 3,500,000 165,000 20,000 20,000 641,250	\$10,000 10,000 45,000 0 275,000 0 3,500,000 165,000 120,000 15,000 0 0 0 142,000 15,000 0 0 0 0 15,000 0 15,000 0 15,000 0 15,000 0 15,000 0 15,000 0 15,000 0 16,000 17,000 18,000
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 220 220 221 222 222 223 224 225	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 Tubling Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Plugging		Kate	Units		\$10,000 10,000 45,000 275,000 3,500,000 165,000 20,000 15,000 641,250 95,000 35,000 75,000	\$10,000 10,000 45,000 0 275,000 0 3,500,000 155,000 20,000 120,000 0 20,000 15,000 0 95,000 35,000 0 10,000
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 222 223 224	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 Stimulan Acid Frac Formation Stimulan Acid Frac Formation Stimulan 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		Kate	Units		\$10,000 10,000 45,000 275,000 3,500,000 165,000 20,000 15,000 641,250 95,000 35,000 75,000 5,000	\$10,000 10,000 45,000 0 275,000 0 3,500,000 165,000 120,000 15,000 0 0 0 0 0 15,000 0 0 0 0 0 15,000 0 0 0 15,000 0 0 0 0 0 15,000 0 0 0 0 0 0 0 0 0 0 0 0
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 220 220 221 222 222 223 224 225	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 Tubling Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Plugging					\$10,000 10,000 45,000 275,000 3,500,000 165,000 120,000 20,000 15,000 641,250 95,000 35,000 75,000 5,000	\$10,000 10,000 45,000 0 275,000 0 3,500,000 165,000 120,000 15,000 0 0 0 0 0 15,000 0 0 0 0 0 15,000 0 0 0 15,000 0 0 0 0 0 15,000 0 0 0 0 0 0 0 0 0 0 0 0
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 220 220 221 222 222 223 224 225	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 Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Plugging Completion Rig					\$10,000 10,000 45,000 275,000 3,500,000 165,000 120,000 20,000 15,000 641,250 95,000 35,000 75,000 5,000	\$10,000 10,000 45,000 0 275,000 0 3,500,000 10,000 120,000 20,000 15,000 0 95,000 35,000 0 0 0 0 0 0 0 0 0 0 0 0
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 211 212 213 214 215 216 217 218 219 220 221 222 221 222 222 223 224 225 227 228	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 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 Substotal					\$10,000 10,000 45,000 275,000 3,500,000 165,000 120,000 15,000 441,250 95,000 35,000 75,000 5,000 30,000 \$5,041,250	\$10,000 10,000 10,000 0 275,000 3,500,00 165,000 120,000 15,000 0 20,000 15,000 0 35,000 0 35,000 0 15,000 0 15,000
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 211 212 213 214 215 216 217 218 219 220 221 222 221 222 222 223 224 225 227 228	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 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 SUBTOTAL CONTINGENCY (%) 0.00% SUB-TOTAL INTANGIBLE COMPLETION COSTS SUB-TOTAL INTANGIBLE COMPLETION COSTS					\$10,000 10,000 45,000 275,000 275,000 3,500,000 165,000 120,000 15,000 641,250 95,000 35,000 75,000 5,000 30,000 \$5,041,250 0	\$10,000 10,000 10,000 10,000 10,000 10,000 105
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 228 229 220 220 221 212 221 222 223 222 223 224 225 227 228	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 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 Tubling Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Plugging Completion Rig SUBTOTAL CONTINGENCY (%) 0.00% SUB-TOTAL INTANGIBLE COMPLETION COSTS SUB-TOTAL INTANGIBLE CORTS	S				\$10,000 10,000 45,000 275,000 3,500,000 165,000 120,000 15,000 441,250 95,000 35,000 75,000 5,000 30,000 \$5,041,250	\$10,000 10,000 45,000 0 275,000 3,500,000 3,500,000 3,500,000 165,000 120,000 15,000 0 20,000 15,000 35,000 0 0 0 0 0 0 15,000 0 0 0 0 0 0 0 0 0 0 0 0
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 207 208 207 208 209 210 211 212 213 214 215 216 217 220 221 222 223 223 229 299	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 Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Plugging Completion Rig SUBTOTAL CONTINGENCY (%) SUB-TOTAL INTANGIBLE COMPLETION COSTS DESCRIPTION	S			### ### ### ### #### #### ############	\$10,000 10,000 45,000 275,000 275,000 3,500,000 165,000 120,000 15,000 641,250 95,000 35,000 75,000 5,000 30,000 \$5,041,250 0	\$10,000 110,000 140,000 140,000 140,000 160,00
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 207 208 207 208 210 211 212 213 214 215 216 219 220 221 222 223 224 227 228 299	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 Stimulah Acid Frac Formation Stimulah Acid Frac Formation Stimulah 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 SUBTOTAL CONTINGENCY (%) 0.00% SUB-TOTAL INTANGIBLE COMPLETION COSTS DESCRIPTION Drive Pipe Conductor Casing	5	\$ - Rate	0	\$2,913,950 DRYHOLE	\$10,000 10,000 45,000 275,000 275,000 3,500,000 165,000 120,000 15,000 641,250 95,000 35,000 75,000 5,000 30,000 \$5,041,250 0	\$10,000 1
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 217 218 220 221 222 223 299 299	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 Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Plugging Completion Rig SUBTOTAL CONTINGENCY (%) SUB-TOTAL INTANGIBLE COMPLETION COSTS SUB-TOTAL INTANGIBLE COSTS TANGIBLE DRILLING COSTS Description Drive Pipe Conductor Casing Surface Casing	S	\$ - Rate \$ - \$ - \$ \$ -	Units	\$2,913,950 DRYHOLE \$20,000	\$10,000 10,000 45,000 275,000 275,000 3,500,000 165,000 120,000 15,000 641,250 95,000 35,000 75,000 5,000 30,000 \$5,041,250 0	\$10,000 10,000 10,000 10,000 10,000 10,000 105
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 207 208 207 208 210 211 212 213 216 217 218 219 220 221 222 223 224 227 228 299 299	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 Stimulah Acid Frac Formation Stimulah Acid Frac Formation Stimulah 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 SUBTOTAL CONTINGENCY (%) 0.00% SUB-TOTAL INTANGIBLE COMPLETION COSTS DESCRIPTION Drive Pipe Conductor Casing Surface Casing Intermediate Casing Intermediate Casing Intermediate Casing	5		Units 0 0 0 0	\$2,913,950 DRYHOLE \$20,000 \$50,000	\$10,000 10,000 45,000 275,000 275,000 3,500,000 165,000 120,000 15,000 641,250 95,000 35,000 75,000 5,000 30,000 \$5,041,250 0	\$10,000 10,000
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 207 208 209 210 211 212 213 214 215 216 217 218 220 220 221 301 303 303 304	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 Tubling Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Plugging Completion Rig SUBTOTAL CONTINCENCY (%) SUB-TOTAL INTANGIBLE COMPLETION COSTS SUB-TOTAL INTANGIBLE COSTS TANGIBLE DRILLING COSTS DESCRIPTION Drive Pipe Conductor Casing Surface Casing Intermediate Casing Intermediate Casing Intermediate Casing Intermediate Casing Subs Fit Eapt Centralizers Etc	S	\$ - Rate \$ - \$ - \$ \$ -	Units	\$2,913,950 DRYHOLE \$20,000 \$50,000 \$125,000	\$10,000 10,000 45,000 275,000 275,000 3,500,000 165,000 120,000 15,000 641,250 95,000 35,000 75,000 5,000 30,000 \$5,041,250 0	\$10,000 10,000 10,000 10,000 10,000 10,5000
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 207 208 207 208 210 211 212 213 214 215 216 227 228 299 299 27 209 200 200 200 200 200 200 200 200 200	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 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 SUBTOTAL CONTINGENCY (%) SUB-TOTAL INTANGIBLE COMPLETION COSTS SUB-TOTAL INTANGIBLE COSTS TANGIBLE DRILLING COSTS DESCRIPTION Drive Pipe Conductor Casing Surface Casing Intermediate Casing Intermediate Casing Intermediate Casing Sous Sous Sous Sous Sous Sous Sous Sous	S		Units 0 0 0 0	\$2,913,950 DRYHOLE \$20,000 \$50,000 \$125,000	\$10,000 10,000 45,000 275,000 275,000 3,500,000 165,000 120,000 15,000 641,250 95,000 35,000 75,000 5,000 30,000 \$5,041,250 0	\$10,000 1
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 207 208 209 210 211 212 213 214 215 216 217 218 220 220 221 301 303 303 304	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 Tubling Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Plugging Completion Rig SUBTOTAL CONTINCENCY (%) SUB-TOTAL INTANGIBLE COMPLETION COSTS SUB-TOTAL INTANGIBLE COSTS TANGIBLE DRILLING COSTS DESCRIPTION Drive Pipe Conductor Casing Surface Casing Intermediate Casing Intermediate Casing Intermediate Casing Intermediate Casing Subs Fit Eapt Centralizers Etc	S		Units 0 0 0 0	\$2,913,950 DRYHOLE \$20,000 \$50,000 \$125,000 \$125,000	\$10,000 10,000 45,000 275,000 275,000 3,500,000 165,000 120,000 15,000 641,250 95,000 35,000 75,000 5,000 30,000 \$5,041,250 0	\$10,000 10,000 10,000 10,000 10,000 10,000 105,000
8306 8306 8306 8306 8306 8306 8306 8306	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 217 218 220 221 222 233 299 299 299 207 301 302 303 305 306 305	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 Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Plugging Completion Rig SUBTOTAL CONTINGENCY (%) SUB-TOTAL INTANGIBLE COMPLETION COSTS SUB-TOTAL INTANGIBLE COMPLETION COSTS SUB-TOTAL INTANGIBLE COMPLETION COSTS DESCRIPTION Drive Pipe Conductor Casing Surface Casing Intermediate Casing Intermediate Casing Sub Surface Equipment	5		Units 0 0 0 0	\$2,913,950 DRYHOLE \$20,000 \$55,000 \$155,000	\$10,000 10,000 45,000 275,000 275,000 3,500,000 165,000 120,000 15,000 641,250 95,000 35,000 75,000 5,000 30,000 \$5,041,250 0	\$10,000 1

	CT.	DESCRIPTION	Rate	Units	the state of the s	COMPLETION	TOTAL WELL COST
8309	401	Production Casing	ls -	. 0	72.00 to 10.00 to 10.		
3309	402	Tubing	\$.	. 0	6.50 - 1.00 00 00 00 00 00 00 00 00 00 00 00 00		\$355,00
309	403	Subs Flt Eapt Centralizers Etc			Street Ling Not 12 to 12		43,00
3309	404	Sub Surface Equipment					30,00
309	405	Xmas Tree Upper Section			THE PROPERTY OF STREET, SAFETY	60,000	60,00
8309	406	Outside Operated Other			The College of the Co	00/000	
		SUB-TOTAL TANGIBLE COMPLETION COSTS				4400.000	
		SUB-TOTAL TANGIBLE COSTS			\$405,000	\$488,000 \$488,000	\$488,000 \$893,000
		SUB-TOTAL INTANGIBLE & TANGIBLE COSTS			\$3,318,950	\$5,529,250	\$8,848,200
		PRODUCTION EQUIPMENT COSTS			10,000	45/525/250	40,040,200
8311	501	Artificial Lift Equipment			The state of the s	COMPLETION	TOTAL WELL COST
8311	502	Prime Mover Electric Gas			5. 计工作上记录程序 19 12 12 15 15 15 15 15 15 15 15 15 15 15 15 15		\$15,00
8311	503	Sales Gathering Line					
8311	504	Separation Equipment			A STATE OF THE PROPERTY OF THE		Constitution Committee and the
8311	505	Oil Treating Heating Equipment				50,000	50,00
8311	506	Gas Treating Dehy Equipment			1. SECTION 1. SECTION 1. SECTION 1.		nder sydnik en et er en e Kantalise en same en e
8311	507	lanks			CONTRACTOR OF THE PROPERTY OF		70,00
8311	508	Meters			ALEXANDER OF THE PROPERTY OF THE PARTY OF TH		55,00
3311	509	Electrical Equip Install			A AND THE PROPERTY OF THE PARTY	20,000	20,00
3311	510	Compressor					建筑设置建筑设置,建筑设设设置
B311 B311	511	Flowlines	A STATE OF THE STA		10.00mm (10.00mm) (10.00mm) (10.00mm)	50,000	50,00
8311	513	Trucks Hauling Transportation			A MASH KERZETTAL BATRACK ASSESS	130,000	130,00
8311	514	Buildings			A PRODUCTION OF THE PROPERTY O	(f)	
8311	515	Roads & Locations				30	AND MARKET TO SERVICE
8311	516	Manifolds & Headers			The state of the s	10,000	10,00
8311	517	Chemical Injection System			THE PROPERTY OF THE PARTY OF TH	15,000	15,00
8311	518	Piping & Valves			The Day of the Street Administration of the Control	13	2. 安全大型企业企业企业
8311	519	Welding			Control of the Contro	50,000	50,00
8311	520	Surface Pumps			A SECULAR SECURAR SECULAR SECU		
8311	521	Filters			TO SEE SEED HE CAN COME TO THE REST OF THE	5,000	5,00
8311	522	Outside Operated Other			A STATE OF THE STA	13	Market Market Land Born
8311	523	Environmental & Safety			ENAL COMPANIES SELECTION OF THE PROPERTY.	10,000	10,00
8311	524	Engineering Supervision			SERVICE SERVIC	30,000	30,00
8311	525	Surface Facilities			With the state of	15,000	15,00
						25,000	13,00
		SUB-TOTAL PRODUCTION EQUIPMENT				\$525,000	\$525,00
		SUB-TOTAL INTANGIBLE COSTS (PAGE 1)			\$2,913,950		
		SUB-TOTAL TANGIBLE COSTS (PAGE 2)				\$5,041,250	\$7,955,20
		GRAND 1	OT4.		\$405,000	\$488,000	\$893,00
					\$3,318,950	\$6,054,250	\$9,373,20
			TSIDE INTERESTS		\$3,318,950	\$6,054,250	\$9,373,20
		TOTAL N	ET COSTS		\$0	\$0	
lotice to	o Nonope	erator: Costs shown on this form are estimates only. None	nograture should not be set				
n monic	es which	will be required to perform the proposed operation.	peracors should not consider	tnese estimates a	ss establishing any limit		
			DATE		7		
REPARE	ED BY				GROSS AFE AMOUNT - DRY HOLE		\$3,318,9
REPARE	ED BY				AUTT COUNTY OF THE COUNTY		
REPARE					NET DRYHOLE AFE AMOUNT		
REPARE			DATE		NET ASSET TRANSFERS		
PPROVE	ED				NET ASSET TRANSFERS		
PPROVE	ED		DATE		NET ASSET TRANSFERS CASH OUTLAY THIS AFE		
PPROVE	ED				NET ASSET TRANSFERS CASH OUTLAY THIS AFE PREVIOUS AFE'S ISSUED		
	ED				NET ASSET TRANSFERS CASH OUTLAY THIS AFE		
PPROVE	ED		DATE		NET ASSET TRANSFERS CASH OUTLAY THIS AFE PREVIOUS AFE'S ISSUED		
PPROVE	ED	WORKING INTEREST APPROVAL	DATE		NET ASSET TRANSFERS CASH OUTLAY THIS AFE PREVIOUS AFE'S ISSUED		
PPROVE	ED	WORKING INTEREST APPROVAL COMPANY WORKING INTE	DATE DATE		NET ASSET TRANSFERS CASH OUTLAY THIS AFE PREVIOUS AFE'S ISSUED TOTAL CASH OUTLAY		
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PPROVE PPRÖVE	ED		DATE DATE		NET ASSET TRANSFERS CASH OUTLAY THIS AFE PREVIOUS AFE'S ISSUED TOTAL CASH OUTLAY		
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PPROVE	ED		DATE DATE		NET ASSET TRANSFERS CASH OUTLAY THIS AFE PREVIOUS AFE'S ISSUED TOTAL CASH OUTLAY		

		NTER	Gavilon Fed Com 707H	BUD Y	EAR 2018	DATE	July 31, 2018	
OFFICIATION Control Contro	AFE NO.		Hat Mesa DEGION		-	The state of the s		
Colored Colo		OR	A		re Basin		20S 33E	
			WolfCamp A STATE	-			+/-22,315'/11,688'	
MATANGERIE DRILLING COSTS	DESCRI	TED PRO	DIECT START DATE: 1Q2019					
ACT. Determine	DESCRI	- IION:	orm a 10,360 lateral in the Wolfcamp A and frac with 62 s	tages. Assumes	4 string design.			
ACT. Determine								
1985 19 Secretary 1985			INTANGIBLE DRILLING COSTS			is a comment of the	A Division of the	
1985 10 10 10 10 10 10 10 1				Rate	Units	DRYHOLE		TOTAL WELL COST
1985 198 Sal Contracts Transfer 1985 198 1								\$125,000
1995 190 Peer & Feet 190 1						\$792,000		
100 100								The state of the s
1980 1985								200,000
100 100	8305		Cement & Cementing Services					130,000
1000 11 Sea Crew & Fols 130,000 130,						\$88,000		88,000
1985 11 Form Earl - Well Factors 1235,000 325,	8305	111	Csg Crews & Tools					001000
1995 115 Toubler Tospection 150,000			Directional Tools & Service					235,000
100 100	8305	115	Tubular Inspection			\$20,000		0
1995 19 Weighet Consultants								350,000
100 101	8305	118	Wellsite Consultants					2.10/000
1505 121 Nuel Cuttinns & Nature Disposal 120,000						SECURE PROPERTY OF VIOLE		202/000
1985 131 Comment 1985 1995	8305	121	Mud, Cuttings & Water Disposal					20,000
1995 131 Water & Water Well 157,000 155,000						\$42,431		42,431
1000 120	8305	124	Water & Water Well					25,000
895 12 Outdies Operated Other						型型系統的特殊的企业的企业 计一场主		55,000
1905 190 Environmental & Safety	8305	127	Outside Operated Other		-	\$50,000		The state of the s
100 100 Plugging								
1905 1917 CONTINGENCY (19)			Plugging					20,000
Sub-Torts, Introduction positions (CORPLETION COSTS 33,209,431 3	8305	199				\$3,209,431		\$3,209,431
ACCT. DESCRIPTION PAIR Units COMPLETION TOTAL WELL COST			SUB-TOTAL INTANGIBLE DRILLING COSTS					0
DOS 201 Location & Cleanup		1911	INTANGIBLE COMPLETION COSTS			\$3,209,431	7	\$3,209,431
100 100				Rate	Unite	THE STATE OF THE S		
3006 2006 Early					Onics	22年 新加州 · 18 日本 · 27 / 27 / 27 / 27 / 27 / 27 / 27 / 27	COMPLETION	TOTAL WELL COST
3906 205 Cemment & Cemmenting Svcc					Onics	7 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1		
B306 205 Logging & Perforation Svcs	8306 8306	202	Power & Fuel Compl Fluids & Chemicals		Onics		\$10,000 10,000	\$10,000 10,000
1906 209 Directional Tools & Svcs	8306 8306	202 203 204	Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers		Onits	2 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	\$10,000 10,000	\$10,000 10,000
1936 299 Formation Stimulatar Acid Frac 3.600,000 3.600,	8306 8306 8306 8306 8306	202 203 204 205 206	Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logging & Perforation Svcs		Ones	2 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	\$10,000 10,000 45,000	\$10,000 10,000 45,000 0
1906 211 Tubular Inspection	8306 8306 8306 8306 8306	202 203 204 205 206 207	Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logging & Perforation Svcs Csg Crews & Tools-Drive Hammer		Units	2 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	\$10,000 10,000 45,000	\$10,000 10,000 45,000 0 275,000
1936 211 Contract Labor & Services 165,000 165,000 165,000 120	8306 8306 8306 8306 8306 8306 8306	202 203 204 205 206 207 208 209	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		Units	2 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	\$10,000 10,000 45,000 275,000	\$10,000 10,000 45,000 0 225,000
2006 21-6 Welliste Consultant	8306 8306 8306 8306 8306 8306 8306 8306	202 203 204 205 206 207 208 209 210 211	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		Villa	2 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	\$10,000 10,000 45,000 275,000	\$10,000 10,000 45,000 0 275,000 0 3,600,000
306 217 Mud Cuttings & Water Disposal 20,000 20,000	8306 8306 8306 8306 8306 8306 8306 8306	202 203 204 205 206 207 208 209 210 211 212	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		Units	2 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	\$10,000 10,000 45,000 275,000	\$10,000 10,000 45,000 275,000 0 3,600,000 0
2000 217 Nud Cutting & Water Disposal 20,000 20,000	8306 8306 8306 8306 8306 8306 8306 8306	202 203 204 205 206 207 208 209 210 211 212 213 214	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		Viits	2 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	\$10,000 10,000 45,000 275,000 3,600,000	\$10,000 10,000 45,000 0 275,000 0 3,600,000 0 165,000
3006 229 Water & Water Well	8306 8306 8306 8306 8306 8306 8306 8306	202 203 204 205 206 207 208 209 210 211 212 213 214 215	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 Stimulatn Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor		- Vills	2 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	\$10,000 10,000 45,000 275,000 3,600,000	\$10,000 10,000 45,000 275,000 0 3,600,000 0 165,000 120,000
3006 220 Water & Water Well	8306 8306 8306 8306 8306 8306 8306 8306	202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217	Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logging & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulata Acid Frac Formation Stimulata Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal		- Onits	2 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	\$10,000 10,000 45,000 275,000 3,600,000 165,000 20,000	\$10,000 10,000 45,000 0 275,000 0 3,600,000 0 165,000 0 120,000 0 0
3006 222 Col Tubing Services 95,000 95	8306 8306 8306 8306 8306 8306 8306 8306	202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218	Power & Fuel Compl Fluids & Chemicals Bits, Reamer, Stabilizers Cement & Cementing Svcs Logqing & Perforation Svcs Csg Crews & Tools-Drive Hammer Directional Tools & Svcs Formation Stimulatn Acid Frac Formation Stimulatn Acid Frac Formation Evaluation Tubular Inspection Equipment Rentals Contract Labor & Services Wellsite Consultant Company Supervision & Labor Transportation Mud Cuttings & Water Disposal Insurance			2 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	\$10,000 10,000 45,000 275,000 3,600,000 165,000 20,000	\$10,000 10,000 45,000 275,000 0 3,600,000 0 165,000 0 120,000 15,000
3306 223 Misc Supplies & Materials 95,000 95,000 3306 224 Flowback Testing 35,000 35,000 3306 225 Legal & Permits 75,000 75,000 3306 226 Environmental & Safety Costs 5,000 5,000 3306 227 Plugging 75,000 75,000 3306 228 Completion Rig 75,000 75,000 3308 229 COMTINGENCY (%)	8306 8306 8306 8306 8306 8306 8306 8306	202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218	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 Mud Cuttings & Water Disposal Insurance Overhead				\$10,000 10,000 45,000 275,000 3,600,000 165,000 20,000	\$10,000 10,000 45,000 0 275,000 0 3,600,000 0 1165,000 120,000 0 0
3306 225 Legal & Permits 75,000 75,000 3306 226 Environmental & Safety Costs 5,000 5,000 3306 228 Completion Rig	8306 8306 8306 8306 8306 8306 8306 8306	202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221	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 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				\$10,000 10,000 45,000 275,000 3,600,000 165,000 20,000	\$10,000 10,000 45,000 0 275,000 0 3,600,000 10 0 120,000 20,000 15,000 15,000 15,000 15,000 15,000 15,000 10 10 10 10 10 10 10 10 10 10 10 10
Sac 228 Environmental & Safety Costs 5,000 5	8306 8306 8306 8306 8306 8306 8306 8306	202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223	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 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				\$10,000 10,000 45,000 275,000 3,600,000 165,000 120,000 20,000 15,000 641,250	\$10,000 10,000 45,000 275,000 0 3,600,000 165,000 0 120,000 15,000 40 20,000 15,000 95,000
SUB-TOTAL INTANGIBLE COSTS STATUS SUB-TOTAL INTANGIBLE COSTS STATUS	8306 8306 8306 8306 8306 8306 8306 8306	202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 222 223	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 Mud Cuttings & Water Disposal Insurance Overhead Water & Water Well Unanticipated MajExp Fishing Coil Tubing Services Misc Supplies & Materials Flowback Testing				\$10,000 10,000 45,000 275,000 3,600,000 165,000 20,000 15,000 641,250 95,000 35,000	\$10,000 10,000 45,000 275,000 0 3,600,000 0 165,000 20,000 15,000 641,250 95,000 35,000 35,000
SUBTOTAL	8306 8306 8306 8306 8306 8306 8306 8306	202 203 204 205 206 207 208 210 211 212 213 214 215 216 217 218 219 220 222 223 224 222 223	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 Stimulatn Acid Frac 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				\$10,000 10,000 45,000 275,000 3,600,000 165,000 120,000 20,000 15,000 641,250 95,000 35,000 75,000	\$10,000 10,000 45,000 0 275,000 0 3,600,000 100 100 120,000 0 15,000 15,000 100 100 100 100 100 100 100 100 100
SUB-TOTAL INTANGIBLE COMPLETION COSTS S,141,250	8306 8306 8306 8306 8306 8306 8306 8306	202 203 204 205 206 207 208 209 210 211 212 212 215 216 217 217 221 221 222 221 222 223 224 225 227	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 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				\$10,000 10,000 45,000 275,000 3,600,000 165,000 120,000 20,000 15,000 641,250 95,000 35,000 75,000	\$10,000 10,000 45,000 0 0 275,000 0 0 3,600,000 120,000 120,000 15,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
SUB-TOTAL INTANGIBLE COMPLETION COSTS 5,141,250 55,141,250 55,141,250 55,141,250 55,141,250 55,141,250 55,141,250 55,141,250 55,141,250 55,141,250 55,141,250 55,141,250 55,141,250 55,141,250 56,	8306 8306 8306 8306 8306 8306 8306 8306	202 203 204 205 206 207 208 209 210 211 212 212 215 216 217 217 221 221 222 221 222 223 224 225 227	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 Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Plugging Completion Rig				\$10,000 10,000 45,000 275,000 3,600,000 165,000 120,000 20,000 15,000 641,250 95,000 35,000 75,000 5,000	\$10,000 10,000 45,000 275,000 0 3,600,000 165,000 20,000 15,000 35,000 35,000 55,000 0 33,000
SUB-TOTAL INTANGIBLE COSTS \$3,209,431 \$5,141,250 \$5,141,250 \$5,141,250 \$5,141,250 \$5,141,250 \$5,141,250 \$5,141,250 \$6,000 \$6,	8306 8306 8306 8306 8306 8306 8306 8306	202 203 204 205 206 207 208 209 210 211 212 213 214 216 217 218 219 220 221 222 223 224 225 226	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 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 Subtotal				\$10,000 10,000 45,000 275,000 3,600,000 165,000 20,000 15,000 641,250 95,000 35,000 75,000 30,000	\$10,000 10,000 45,000 0 275,000 0 3,600,000 120,000 20,000 0 15,000 15,000 95,000 75,000 5,000 33,000 95,000 0 33,000
ACT DESCRIPTION Rate Units DRYHOLE TOTAL WELL COST	8306 8306 8306 8306 8306 8306 8306 8306	202 203 204 205 206 207 208 209 210 211 212 213 214 216 217 218 219 220 221 222 223 224 225 226	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 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 CONTINGENCY (%) 0.00%				\$10,000 10,000 45,000 275,000 3,600,000 165,000 120,000 20,000 15,000 641,250 95,000 35,000 75,000 5,000	\$10,000 10,000 45,000 275,000 0 3,600,000 165,000 20,000 15,000 35,000 35,000 55,000 0 0
8308 301 Drive Pipe Conductor Casing \$ - 0 \$20,000 \$20,000 \$20,000 8308 302 Surface Casing \$ - 0 \$50,000 \$50,000 \$50,000 8308 303 Intermediate Casing \$ - 0 \$125,000 \$125,000 \$125,000 \$125,000 \$125,000 \$30,000	8306 8306 8306 8306 8306 8306 8306 8306	202 203 204 205 206 207 208 209 210 211 212 213 214 216 217 218 219 220 221 222 223 224 225 226	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 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 CONTINGENCY (%) 0.00% SUB-TOTAL INTANGIBLE COMPLETION COSTS SUB-TOTAL INTANGIBLE COMPLETION COSTS				\$10,000 10,000 45,000 275,000 3,600,000 165,000 120,000 15,000 641,250 95,000 35,000 75,000 5,000 \$5,141,250 \$5,141,250	\$10,000 10,000 45,000 275,000 0 3,600,000 165,000 120,000 0 15,000 5,000 25,141,250 0 \$5,141,250
Superior	8306 8306 8306 8306 8306 8306 8306 8306	202 203 204 205 206 207 208 209 210 211 212 213 214 215 217 218 220 221 222 223 224 225 226 227 228	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 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 SUBTOTAL CONTINGENCY (%) SUB-TOTAL INTANGIBLE COSTS TANGIBLE DRILLING COSTS				\$10,000 10,000 45,000 275,000 3,600,000 165,000 120,000 15,000 641,250 95,000 35,000 75,000 5,000 \$5,141,250 \$5,141,250	\$10,000 10,000 45,000 275,000 3,660,000 165,000 20,000 15,000 35,600,000 20,000 20,000 30,000 30,000 30,000 30,000 \$5,141,250 0
Sol	8306 8306 8306 8306 8306 8306 8306 8306	202 203 204 205 206 206 207 208 209 210 211 213 214 215 216 217 222 223 224 225 224 229 299	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 MajiExp Fishing Coil Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Plugging Completion Rig SUBTOTAL CONTINGENCY (%) SUB-TOTAL INTANGIBLE COMPLETION COSTS DESCRIPTION	Rate		\$3,209,431	\$10,000 10,000 45,000 275,000 3,600,000 165,000 120,000 15,000 641,250 95,000 35,000 75,000 5,000 \$5,141,250 \$5,141,250	\$10,000 10,000 \$45,000 \$255,000 \$255,000 \$3,600,000 \$0 \$165,000 \$120,000 \$20,000 \$15,000 \$35,000 \$35,000 \$35,000 \$35,000 \$35,000 \$35,000 \$5,141,250
Subs Title	8306 8306 8306 8306 8306 8306 8306 8306	202 203 204 205 206 207 208 209 210 211 213 214 215 216 219 220 221 222 223 224 225 226 227 228	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 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 Pluggling Completion Rig SUBTOTAL INTANGIBLE COMPLETION COSTS SUB-TOTAL INTANGIBLE COSTS TANGIBLE DRILLING COSTS DESCRIPTION Drive Pipe Conductor Casing	\$ -	Units	\$3,209,431 DRYHOLE \$20,000	\$10,000 10,000 45,000 275,000 3,600,000 165,000 120,000 15,000 641,250 95,000 35,000 75,000 5,000 \$5,141,250 \$5,141,250	\$10,000 10,000 45,000 275,000 0 3,600,000 165,000 20,000 15,000 35,000 35,000 \$5,141,250 \$8,350,681
8308 306 Casinghead prilling Spool 350,000 8308 307 Sub Surface Equipment \$60,000 60,000 8308 308 Outside Operated Other 0 SUB-TOTAL TANGIBLE DRILLING COSTS 300,000 300,000	8306 8306 8306 8306 8306 8306 8306 8306	202 203 204 205 206 207 208 209 210 212 212 213 214 215 216 217 218 220 221 222 223 224 225 225 226 227 228	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 MajiExp Fishing Coil Tubing Services Misc Supplies & Materials Flowback Testing Legal & Permits Environmental & Safety Costs Plugging Completion Rig SUBTOTAL INTANGIBLE COMPLETION COSTS DESCRIPTION Drive Pipe Conductor Casing Surface Casing Intermediate Casing	\$ - \$ -	Units	\$3,209,431 PRYHOLE \$20,000 \$50,000	\$10,000 10,000 45,000 275,000 3,600,000 165,000 120,000 15,000 641,250 95,000 35,000 75,000 5,000 \$5,141,250 \$5,141,250	\$10,000 10,000 10,000 255,000 275,000 3,600,000 3,600,000 10,000 10,000 120,000 15,000 10,000 15,000 10,000
8308 308 Outside Operated Other 0 SUB-TOTAL TANGIBLE DRILLING COSTS	8306 8306 8306 8306 8306 8306 8306 8306	202 203 204 205 206 207 208 209 210 211 213 214 215 216 219 220 221 222 223 224 225 226 227 228 229 229 227 230 240 250 260 260 260 27 27 280 280 280 280 280 280 280 280 280 280	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 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 SUBTOTAL CONTINGENCY (%) 0.00% SUB-TOTAL INTANGIBLE COMPLETION COSTS SUB-TOTAL INTANGIBLE COSTS TANGIBLE DRILLING COSTS DESCRIPTION Drive Pipe Conductor Casing Surface Casing Intermediate Casing Intermediate Casing Intermediate Casing Intermediate Casing Subs Fit Eagot Centralizers Ftr	\$ - \$ - \$ -	Units 0 0 0 0	\$3,209,431 DRYHOLE \$20,000 \$50,000 \$125,000	\$10,000 10,000 45,000 275,000 3,600,000 165,000 120,000 15,000 641,250 95,000 35,000 75,000 5,000 \$5,141,250 \$5,141,250	\$10,000 10,000 10,000 15,000 275,000 3,600,000 165,000 100,000
SUB-TOTAL TANGIBLE DRILLING COSTS	8306 8306 8306 8306 8306 8306 8306 8306	202 203 204 205 206 207 208 209 210 211 213 214 215 216 217 220 221 222 223 224 225 226 227 228 229 229 227 220 227 220 227 220 220 220 220 220	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 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 INTANSIBLE COMPLETION COSTS SUB-TOTAL INTANSIBLE COSTS TANGIBLE DRILLING COSTS DESCRIPTION Drive Pipe Conductor Casing Surface Casing Intermediate Casing Intermediate Casing Intermediate Casing Intermediate Casing Intermediate Casing Supplies Spool	\$ - \$ - \$ -	Units 0 0 0 0	\$3,209,431 DRYHOLE \$20,000 \$55,000 \$125,000 \$3330,000	\$10,000 10,000 45,000 275,000 3,600,000 165,000 120,000 15,000 641,250 95,000 35,000 75,000 5,000 \$5,141,250 \$5,141,250	\$10,000 10,000 10,000 10,000 255,000 3,600,000 165,000 120,000 15,000 15,000 35,000 35,000 35,141,250 0 \$5,141,250 \$\$8,350,681 TOTAL WELL COST \$\$0,000 330,000
	8306 8306 8306 8306 8306 8306 8306 8306	202 203 204 205 205 206 207 208 209 210 211 212 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 299 209 200 300 300 305 306 306 307 200 300 307 200 300 300 305 306 300 300 300 300 300 300 300 300 300	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 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 CONTINGENCY (%) SUB-TOTAL INTANGIBLE COMPLETION COSTS SUB-TOTAL INTANGIBLE COSTS TANGIBLE DRILLING COSTS DESCRIPTION Drive Pipe Conductor Casing Surface Casing Intermediate Casing Intermediate Casing Intermediate Casing Intermediate Casing Subs Fit Egpt Centralizers Etc Casinghead Drilling Spool Sub Suffsce Equipment	\$ - \$ - \$ -	Units 0 0 0 0	\$3,209,431 DRYHOLE \$20,000 \$55,000 \$125,000 \$3330,000	\$10,000 10,000 45,000 275,000 3,600,000 165,000 120,000 15,000 641,250 95,000 35,000 75,000 5,000 \$5,141,250 \$5,141,250	\$10,000 10,000 10,000 15,000 275,000 3,600,000 165,000 15,000 20,000 15,000 35,141,250 \$5,141,250 \$\$1,
	8306 8306 8306 8306 8306 8306 8306 8306	202 203 204 205 206 207 208 209 210 211 213 214 215 216 219 220 221 222 223 224 225 226 227 228 299	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 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 COSTS TANGIBLE DRILLING COSTS DESCRIPTION Drive Pipe Conductor Casing Surface Casing Intermediate Casing Intermediate Casing Intermediate Casing Surface Equipment Outside Operated Other	\$ - \$ - \$ -	Units 0 0 0 0	\$3,209,431 DRYHOLE \$20,000 \$55,000 \$125,000 \$3330,000	\$10,000 10,000 45,000 275,000 3,600,000 165,000 120,000 15,000 641,250 95,000 35,000 75,000 5,000 \$5,141,250 \$5,141,250	\$10,000 10,000 10,000 25,000 275,000 3,600,000 165,000 120,000 15,000 15,000 35,000 35,000 35,000 35,141,250 0 \$5,141,250 \$8,350,681 TOTAL WELL COST \$20,000 330,000

ACCT.	DESCRIPTION	Rate	Units	The second secon	COMPLETION	TOTAL WELL COST
309 401	Production Casing	ş -	0	ka Kong pangangan at Kiping at ang pangangan ang pangangan at ang pangangan at ang pangangan at ang pangangan at	360,000	\$360,000
309 402	Tubing	\$ -	0	The state of the s	45,000	45,000
309 403	Subs Flt Eqpt Centralizers Etc					************** * [
309 404	Sub Surface Equipment			一种企业的	30,000	30,000
309 405	Xmas Tree Upper Section				60,000	60,00
309 406	Outside Operated Other			2.12.43 (A. A. A		the state of the s
	SUB-TOTAL TANGIBLE COMPLETION COSTS				\$495,000	\$495,000
	SUB-TOTAL TANGIBLE COSTS			\$585,000	\$495,000	\$1,080,000
	SUB-TOTAL INTANGIBLE & TANGIBLE COSTS			\$3,794,431	\$5,636,250	\$9,430,68
	PRODUCTION EQUIPMENT COSTS					
		And the second s			COMPLETION	TOTAL WELL COST
311 501	Artificial Lift Equipment			Charles A. Sharetan bear was trained	\$15,000	\$15,00
311 502	Prime Mover Electric Gas			THE REPORT OF THE PARTY OF THE	7.5/555	CONTRACTOR AND THE
311 503	Sales Gathering Line					- White the transfer for the
311 504	Separation Equipment			AND A COLOR OF THE STATE OF	50,000	50,00
311 505	Oil Treating Heating Equipment			THE PROPERTY OF THE PARTY OF TH	30,000	Wigo Talker Stick
311 506	Gas Treating Dehy Equipment			(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		194.5 (Maj 140) 150 (2.5 (A.)
311 507				The Mark States of the States	70,000	70,00
311 508	Meters			Carlotte Control of the Control of t	55,000	55,00
311 509	Electrical Equip Install			A STATE OF THE STA	20,000	20,00
311 510			***************************************	Control of the Control of the Control	20,000	120,00
311 511	Flowlines			ALW COMPANIES OF THE PARTY OF T	50,000	50,00
311 512	Labor			Experience and the second		
311 513	Trucks Hauling Transportation			AND THE RESERVE OF THE PARTY OF	130,000	130,00
311 514	Buildings			Fig. 100 Carlot State No. 100 Carlot State		district the second second
311 515				CS AND ACCOUNT OF THE COURT OF		ord to show the state of the para
311 516				School and the second s	10,000	10,00
311 517	Chemical Injection System			100 100 100 100 100 100 100 100 100 100	15,000	- 15,00
311 518	Piping & Valves			Company of the second of the s		the following state of
311 519	Welding			- 17 42 30 5 May 7 2 20 Ve 40 May 1 - 6 - 6 - 1	50,000	50,00
311 520				2.4位第2.5数数据证明的2.2至2.3至2.344.056875.000		AND MARKETINES THE
				THE REPORT OF THE PARTY OF THE	5,000	5,00
	Filters			AND THE PROPERTY OF THE PARTY O		and the second second
3311 522 3311 523	Outside Operated Other			See The County of the See		是學術學學學學學學
				TO A PARTY OF THE	10,000	10,00
3311 524 3311 525	Engineering Supervision			CONTRACTOR CONTRACTOR CONTRACTOR	30,000	30,00
311 323	Surface Facilities			The Land Court of Tan Albert & Court Live	15,000	15,00
	SUB-TOTAL PRODUCTION EQUIPMENT				\$525,000	\$525,0
	SUB-TOTAL INTANGIBLE COSTS (PAGE 1)			\$3,209,431	\$5,141,250	\$8,350,6
	SUB-TOTAL TANGIBLE COSTS (PAGE 2)			\$585,000		
					\$495,000	\$1,080,0
	GRAND 1			\$3,794,431	\$6,161,250	\$9,955,6
	LESS OU	TSIDE INTERESTS		\$3,794,431	\$6,161,250	\$9,955,6
	TOTAL N	ET COSTS		\$0	\$0	1.77
			****	70		
n monies whic	perator: Costs shown on this form are estimates only. Non- th will be required to perform the proposed operation.		these estimates a	s establishing any limit		
REPARED BY	A	DATE		GROSS AFE AMOUNT - DRY HOLE		\$3,794,4
						33,794,4
PPROVED		DATE		NET DRYHOLE AFE AMOUNT		
				NET ASSET TRANSFERS		
				CASH OUTLAY THIS AFE		
PPROVED		DATE		PREVIOUS AFE'S ISSUED		
PROVED		DATE		TOTAL CASH OUTLAY		
	WORKING INTEREST APPROVAL					
	COMPANY WORKING INTE	REST		APPROVED BY		6.22
				AFFROVED BY		DATE
-						

AFE NO.	Gavilon Fed Com 708H		AR 2018	DATE	July 31, 2018	
FIELD	Hat Mesa BEG	CATEGOR		SUPPLEMENT NO.		, , , , , , , , , , , , , , , , , , , ,
OPERATOR	Account Engage 110	ION Delaware	Basin	LEGAL:	20S 33E	
OBJECTIVE	WolfCamp XY ST/	ATE NM		W.I.		
ESTIMATED P	ROJECT START DATE: 107010	-		MD/TVD	+/-22,136'/11,509	
DESCRIPTION	: Drill a 10,360' lateral in the Wolfcamp XY and frac wit	h 62 stages. Assumes 4	string design	n.		
ACCT.	INTANGIBLE DRILLING COSTS DESCRIPTION					
8305 101	Location Cleanup & Damages	Rate	Units	DRYHOLE		TOTAL WELL COST
8305 102 8305 103				\$125,000 \$100,000		\$125,000
8305 104	Rig Contractor-Turnkey			\$768,000		100,000
8305 105 8305 106				\$145,000		是一种企业的基础。 1000年第一届新疆域中的
8305 107				\$190,000		145,000 190,000
8305 108 8305 109	Cement & Cementing Services		+	\$125,000		125,000
8305 109 8305 110				\$225,000 \$86,000		225,000
8305 111 8305 112	Csg Crews & Tools		-	\$30,000 \$125,000		30,000
8305 112 8305 114				\$230,000		125,000 230,000
8305 115	Tubular Inspection			12000		THE SHAPE OF THE STATE OF THE S
8305 116 8305 117				\$20,000 \$345,000		20,000
8305 118	Wellsite Consultants		-	\$140,000		345,000 140,000
8305 119 8305 120				\$128,000		128,000
8305 121	Mud, Cuttings & Water Disposal			\$20,000		20,000
8305 122 8305 123				\$115,000 \$42,142		115,000
8305 124	Water & Water Well			\$25,000		42,142 25,000
8305 125 8305 126			+	\$55,000		55,000
8305 127	Legal Outside Operated Other			\$50,000		50,000
8305 128	Permits		-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		30,000
8305 129 8305 130				\$20,000		20,000
	SUBTOTAL			党上的第三次的第三人称单数		20,000
8305 199	CONTINGENCY (%) 0.00% SUB-TOTAL INTANGIBLE DRILLING COSTS			\$3,129,142		\$3,129,142
1.5	INTANGIBLE COMPLETION COSTS			\$3,129,142		\$3,129,142
ACCT.	DESCRIPTION	7	T			40/220/142
8306 201	Location & Cleanup	Rate	Units	F Section 1	COMPLETION	TOTAL WELL COST
8306 202 8306 203	Power & Fuel Compl Fluids & Chemicals			是1986年	\$10,000	\$10,000
8306 204	Bits, Reamer, Stabilizers			Charles the August States of Control of	10,000 45,000	10,000 45,000
8306 205 8306 206	Cement & Cementing Svcs		-	A Company of the Comp	15/000	0
8306 207	Logging & Perforation Svcs Csg Crews & Tools-Drive Hammer			The Control of the Co	275,000	O Section Control of the Control of
8306 208 8306 209	Directional Tools & Svcs			The state of the s	273,000	275,000
8306 210	Formation Stimulatn Acid Frac Formation Evaluation			THE PERSON NAMED IN COLUMN TO SERVICE OF THE PERSON NAMED IN COLUMN TO SERVICE	3,600,000	0
8306 211 8306 212	Tubular Inspection Equipment Rentals		-	1.77 () 生化结构体的 () 2.77 ()	3,800,000	3,600,000
8306 213	Contract Labor & Services			2 2 2	165,000	0
8306 214 8306 215	Wellsite Consultant		-	11 Sept. Company Compa	165,000	165,000
8306 215 8306 216	Company Supervision & Labor Transportation			1	120,000	120,000
8306 217	Mud Cuttings & Water Disposal		-	Committee of the second of the	20,000	20,000
8306 218 8306 219	Insurance Overhead				15,000	15000
8306 220	Water & Water Well			MINERAL BOOK AND		0
8306 221 8306 222	Unanticipated MajExp Fishing Coil Tubing Services			A CONTRACTOR OF THE CONTRACTOR	641,250	641,250
8306 223	Misc Supplies & Materials			Visit Transfer of the Array	95,000	95,000
8306 224 8306 225	Flowback Testing		-	A Control of the Cont	35,000	35,000
8306 226	Legal & Permits Environmental & Safety Costs				75,000	75,000
8306 227 8306 228	Plugging		-		5,000	5,000
0300 228	Completion Rig			\$1,6901		0
	SUBTOTAL			The state of the second second	30,000	30,000
8306 299	CONTINGENCY (%) 0.00%				\$5,141,250	\$5,141,250
	SUB-TOTAL INTANGIBLE COMPLETION COSTS SUB-TOTAL INTANGIBLE COSTS				0	0
	TANGIBLE DRILLING COSTS			\$3,129,142	\$5,141,250	\$5,141,250
ACCT.	DESCRIPTION				\$5,141,250	\$8,270,392
	Drive Pipe Conductor Casing	Rate	Units	DRYHOLE	I	TOUR PROPERTY AND ASSESSMENT OF THE PARTY OF
8308 302	Surface Casing	\$ -	0	\$20,000		TOTAL WELL COST
8308 303 8308 304	Intermediate Casing Intermediate Casing	\$ - \$ -	0	\$50,000		\$20,000 50,000
8308 305	Subs Flt Eqpt Centralizers Etc	\$ -	0	\$125,000 \$330,000		125 000
308 306	Casinghead Drilling Spool Sub Surface Equipment					330,000
	Outside Operated Other			To a room or an analysis of the		60,000
				CONTRACTOR SERVICES OF THE PARTY OF THE PART		900
						PARTY PORCHE STANDARD FOR THE STANDARD CO. A.
	SUB-TOTAL TANGIBLE DRILLING COSTS			\$585,000		0

ACCT.	TANGIBLE COMP		Rai	te Units		COMPLETION	TOTAL WELL COST
309 401	Production Casing		5	- 0	Capter and Spanisher and Spanish	355,000	\$355,00
309 402	Tubing		- 3	- 0	Programme and the second secon	45,000	45,00
09 403	Subs Flt Eqpt Centraliz	ers Etc			TO MEDITAL ASSESSMENT OF THE PROPERTY OF THE P	45,000	20 S.
109 404	Sub Surface Equipmen					30,000	30,00
309 405	Xmas Tree Upper Sect	ion			COURT RECEIVED A SECURIOR OF THE PROPERTY OF T	60,000	60,00
309 406	Outside Operated Othe	r				54	to a way the second

	SUB-TOTAL TANGIBLE COM					\$490,000	\$490,00
	SUB-TOTAL TANGIBLE COST	rs			\$585,000	\$490,000	\$1,075,00
	SUB-TOTAL INTANGIBLE &				\$3,714,142	\$5,631,250	\$9,345,39
43.1	PRODUCTION EC	UIPMENT COSTS					
	A AIG -I-I LIG E - I					COMPLETION	TOTAL WELL COST
311 501 311 502	Artificial Lift Equipmen					\$15,000	\$15,00
311 502 311 503	Prime Mover Electric C Sales Gathering Line	103			A THE STATE OF THE	- P	
311 504	Separation Equipment					50,000	50,00
311 505	Oil Treating Heating E	quipment			A STATE OF THE PARTY OF THE PAR	30,000	30,00
311 506	Gas Treating Dehy Equ				The second of th		STATE OF THE PURCHASE
311 507	Tanks				CONTRACTOR AND ARREST ARREST ARREST AND ARREST	70,000	70,00
311 508	Meters				100 100 g 100 100 100 100 100 100 100 10		55,00
311 509	Electrical Equip Install				and the second of the second o	20,000	20,00
311 510	Compressor				- A. Jo., 1260. Joseph 176.	10	out the way in the state of
311 511	Flowlines			44 LA	主義法 医建筑型分类的发生 "是一个一个一	50,000	50,00
311 512 311 513	Labor	adation .			ARREST SHIZE LONG THE ARE LET	130,000	130,00
311 513 311 514	Trucks Hauling Transp Buildings	ortation			The state of the s	7	AND THE REAL PROPERTY OF THE PARTY OF THE PA
311 515	Roads & Locations				STANDARD CONTROL OF THE CONTROL OF T	10,000	
311 516	Manifolds & Headers				15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		10,00
311 517	Chemical Injection Sy	stem			COMPANIES OF THE PROPERTY OF T	15,000	15,00
311 518	Piping & Valves				N. COLORS THE CONTRACTOR STATES TO SEE	50,000	50,00
311 519	Welding				Harris and the second of the s	30,000	Administration of the
311 520	Surface Pumps				(1) 10 10 10 10 10 10 10 10 10 10 10 10 10	5,000	5,00
311 521	Filters						Additional and the second
3311 522	Outside Operated Oth				The training in property of the state of the		TO SHOW A SHARE THE PROPERTY.
3311 523 3311 524	Environmental & Safe	ty			可能是4年代的1000年代,1980年代的1980年代	10,000	10,00
3311 524 3311 525	Engineering Supervisi Surface Facilities	on			Patrician Service Control of the Con	30,000	30,00
321 323	Surface Facilities				The first one of the second of	15,000	15,00
	SUB-TOTAL PRODUCTION	FOURNIENT					
						\$525,000	\$525,0
	SUB-TOTAL INTANGIBLE				\$3,129,142	\$5,141,250	\$8,270,3
	SUB-TOTAL TANGIBLE CO	OSTS (PAGE 2)			\$585,000	\$490,000	\$1,075,0
		GRAND TOTAL	L		\$3,714,142	\$6,156,250	\$9,870,3
		LESS OUTSID	E INTERESTS		\$3,714,142	\$6,156,250	
		TOTAL NET CO			,		\$9,870,3
			0010		\$0	\$0	
monies which	perator: Costs shown on this fi	orm are estimates only. Nonopera ne proposed operation.		der these estimates	as establishing any limit		
EPARED BY			DATE		GROSS AFE AMOUNT - DRY HOLE		\$3,714,1
					NET DRYHOLE AFE AMOUNT		1-7 1/-
PROVED			DATE		NET ASSET TRANSFERS		
					CASH OUTLAY THIS AFE		
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PPROVED	1 1 1 1 1 1 1				TOTAL CASH OUTLAY		
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					APPROVED BY		DATE

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. 16484

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

Case No. 16486

AFFIDAVIT OF NOTICE

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

James Bruce, 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 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 applications filed herein.
- 4. Notice of the applications was provided to the interest owners, at their correct addresses, by certified mail. Copies of the notice letter and certified return receipts are attached hereto as Attachment A.

5. Applicant has complied with the notice provisions of Division Rules.

James Bruce

SUBSCRIBED AND SWORN TO before me this

day of January, 2019 by

James Bruce.

OFFICIAL SEAL
KERRIE C. ALLEN
Notary Public
State of New Mexico
My Commission Expires 10 20 20

Notary Public

EXHIBIT ${\cal U}$

My Commission Ex

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

October 12, 2018

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. 16486, for two Wolfcamp wells well in the W/2E/2 of Section 28 and W/2E/2 of Section 33, Township 20 South, Range 33 East, NMPM, Lea County, New Mexico; and
- 2. Case No. 16484, for two Bone Spring wells in the W/2E/2 of Section 28 and W/2E/2 of Section 33, Township 20 South, Range 33 East, NMPM, Lea County, New Mexico.

These matters are scheduled for hearing at 8:15 a.m. on November 1, 2018, 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, October 25, 2018. 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 \mathcal{A}

Very truly yours.

James Bruce

Attorney for Ascent Energy, LLC

Exhibit A

John Benedict 308 Zoeller Lane Boerne, Texas 78005

COG Operating LLC 600 West Illinois Avenue Midland, Texas 79701

Marathon Oil Permian LLC 5555 San Felipe Street Houston, Texas 77056

Attention: Matt Brown

XTO Holdings LLC 810 Houston Street Fort Worth, Texas 76102

U.S. Postal Service" CERTIFIED MAIL® RECEIPT Domestic Mail ronly For delivery information, visit our website at www.usps.com Certified Mail Fee SEXTA Services & Fees check box, edd fee as appropriate) SEXTA Services & Fees check box, edd fee as appropriate) SEXTA Services & Fees check box, edd fee as appropriate) SEXTA Services & Fees check box, edd fee as appropriate) SEXTA Services & Fees check box, edd fee as appropriate) SEXTA Services & Fees check box, edd fee as appropriate) SEXTA Services & Fees check box, edd fee as appropriate) SEXTA Services & Fees check box, edd fee as appropriate) SEXTA Services & Fees check box, edd fee as appropriate) SEXTA Services & Fees check box, edd fee as appropriate) SEXTA SEXTA SERVICES & FEES CHECK BOX SEX SEX SEX SEX SEX SEX SEX SEX SEX SE	A. Signature Addressee B. Received by (Prihted Marre) A. C. Date of Delivery A. C. Date of Delivery A. Signature A. Signature A. Signature A. Signature A. Signature A. Signature A. Addressee B. Received by (Prihted Marre) A. C. Date of Delivery A. C. Date of Delivery A. Signature A. Addressee B. Received by (Prihted Marre) A. C. Date of Delivery A	3. Service Type Aduly-Signature Aduly-Signature Aduly-Signature Aduly-Signature Aduly-Signature Aduly-Signature Aduly-Signature Registered Mail Restricted Registered Mail Restricted Delivery Delivery Delivery Certified Mail Restricted Delivery Return Receipt for Collect on Delivery Signature Confirmation Signature Confirmation Collect on Delivery Signature Confirmation Signature Confirmation Restricted Delivery Demostic Details Demostic Demo
A. Signature X. Lonnie Sanchez B. Received by (Printed Name) D. Is delivery address below: If YES, enter delivery address below: Contine Mail Signature Adult Signature Contine Mail Adult Signature Contine Mail Contine Contine Mail Contine Contine Mail Contine Conti	SENIDER: COMPIETE THIS SECTION Complete items 1,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: Manthon Oil Permian LLC \$5555 San Felipe Street Houston, Texas 77056	9590 9402 4079 8092 5932 08 2. Article Number (Transfer from service label) 7 0 1.8 2 2 9 0 0 0 1 5 0 2 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1
SENDER: COMPLETE THIS SECTION Complete items 1, c, and 3. Complete items 1, c, 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. ATO Holdings LLC XTO Holdings LLC 810 Houston Street Four worth, Texas 76102 9590 9402 4079 8092 5932 15 92. Article Number (Transfer from service label) 701.8 2290 10001. 5021 22	U.S. Postal Service" CERTIFIED MAIL® RECYPE Domestic Mail Only For delivery information, visit our website at www.usps.cc Certified Mail Fee S. Extra Services & Fees (check box, and fee as appropriate) The turn Receipt (faction); The turn Receipt (electronic) The turn Receipt (electronic) Adult signature Restricted Delivery \$ Adult signature Restricted Delivery \$ Postman Postage	Total Postage and Fees

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707	Street and Apt. No., or PC Midland, Texas 79701	
10	City, State, ZIP+4*	
	PS Form 3800, April 2015 PSN 7530-02-000-9047 S	ee Reverse for Instructions

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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. 16484

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

Case No. 16486

VERIFIED STATEMENT OF BEN METZ

Ben 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 Attachment A discussed below pertain to the Wolfcamp wells (Case 16486):
 - (a) A structure map on top of the Wolfcamp A zone. It shows that structure dips gently to the south. The subject Wolfcamp wells will be drilled from downdip to updip. The plat also shows a line of cross-section.
 - (b) A cross section. The well logs on the cross-section give a representative sample of the Wolfcamp formation in this area. The target zones (the XY and A zones) are continuous across the well unit.
 - (c) A list of existing Wolfcamp XY and A wells in the area. The more recent wells are all north/south wells, and appear to be economic. That north/south orientation is preferred in this area.
 - (d) The C-102s for the Wolfcamp wells. The wells are in the 96438-Wolfcamp Pool.
- 4. The geological plats in Attachments B pertain to the Second and Third Bone Spring wells (Case 16484). These zones are prospective in this area. They show:
 - (a) Structure maps on top of each Bone Spring zone. They show that structure dips gently to the east-southeast. It also shows a line of cross-section.

ехнівіт 3

- (b) Cross-sections of each Bone Spring zone. The well logs on the cross-sections give a representative sample of the Second and Third Bone Spring zones in this area. The target zones are continuous across the well unit.
- (c) A list of producing Bone Spring wells in the area. The wells are virtually all north/south wells, and the more recent wells appear to be economic. That north/south orientation is preferred in this area.
- (d) The C-102s for the Bone wells. The wells are in the 30213-Bone Spring Pool.
- 5. I conclude from the maps that:
- (a) The Wolfcamp and Bone Spring horizontal spacing units are justified from a geologic standpoint, and horizontal drilling is the best method to produce Bone Spring reserves.
- (b) Each quarter-quarter section in the Wolfcamp and Bone Spring units will contribute more or less equally to production.
- (c) There is no faulting or other geologic impediment on the area which will affect the drilling of the subject well.
- 6. The granting of these applications is in the interests of conservation and the prevention of waste.

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VE	12	HIL	('A		1 1
V And	7/7	1 1	UL	1 1	OIN

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

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.

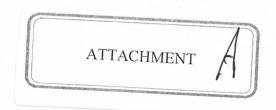
SUBSCRIBED AND SWORN TO before me this Metz.

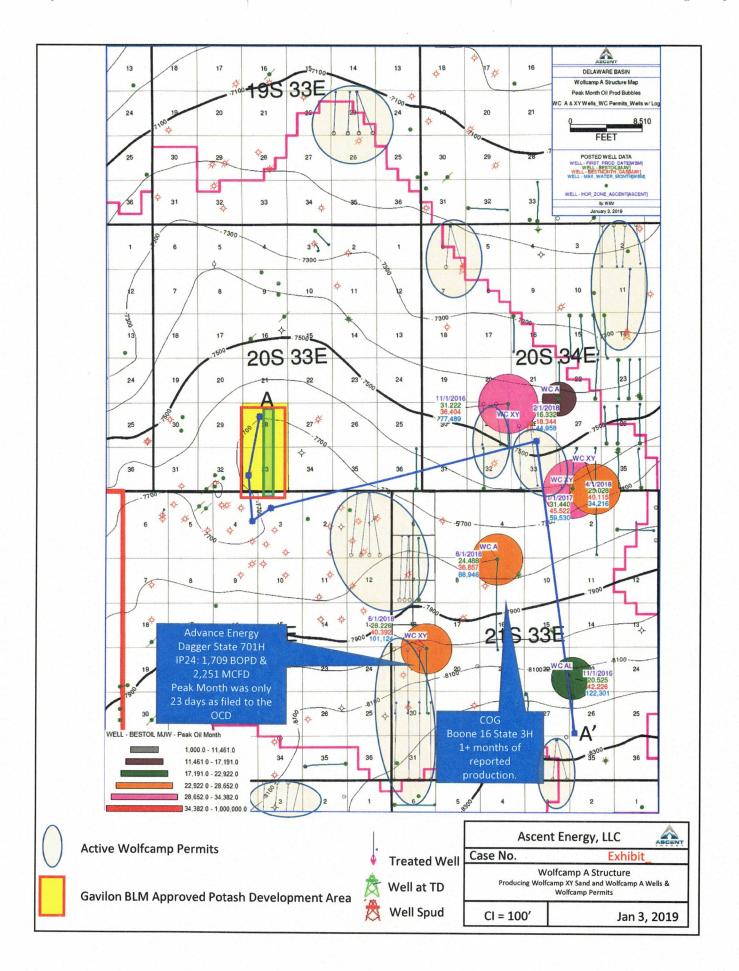
day of January, 2019 by Ben

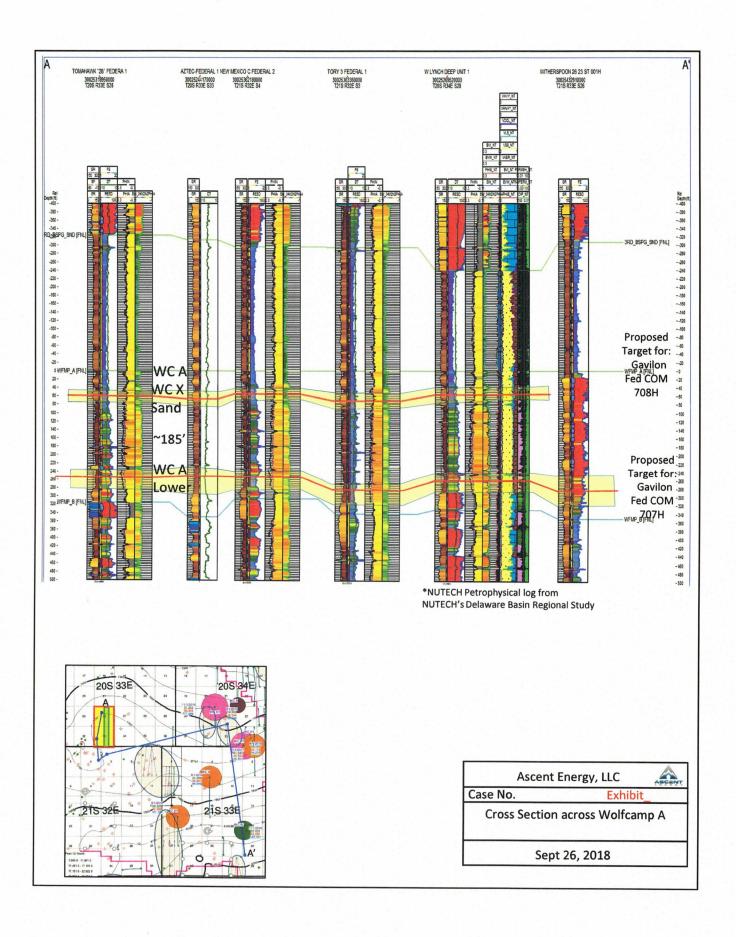
My Commission Expires: 4-11-24

Case No. 16486

- W2 E2
- Gavilon Fed Com Well No. 707H
- Gavilon Fed Com Well No. 708H







	ONTHS_CUMOIL CUMGAS CUMWTR LATERAL_ ITERBW BO MCF BW AZIMUTH HOR ZONE	136 77,967 86,050 201,136 N/S WCA	159,193 174,124 399,095 N/5 WCXY	199 190,619 438,622 943,561 NJS WCA	258 232,973 382,920 357,205 N/S WCXY	inn 3 ths 43,714 66,046 153,948 N/S WCXY	tths 104,108 197,244 159,679 W.S.Y	Months 35,926 54,336 154,836 N/S WCA				
	1ST_E_MONTHS_C 1ST_E_MONTHS_ 1ST_E_MONTHS_ UM OIL BO CUM GAS MCF CUM_WATER BW	86,050 201,136	112,090 236,462	193,869 485,199	176,548 193,258	Less Than 3 Less Than 3 months	5 Months 5 Months	Less Than 2 Months Less Than 2 Months Less Than 2 Months				The state of the s
	THE RESERVE OF THE PARTY OF THE	8 77,967	96,976	911(68	0 121,190	24 Less Than 3 months	6 5 Months					
	PEAK MONTH WATER GAS (MCF) (BW)	16,808 44,958	36,547 77,489	42,226 122,301	45,522 59,530	40,392 101,124 (23 days) (23 days)	36,370 34,216	36,857 88,946				The second secon
duction Table	PEAK MONTH OIL (BO)	16,332	31,722	20,525	31,440	28,226 4 (23 days) (2	25,028	24,488				
mp A & XY Pro	P GAS IP WTR	644 1,476	1,509 3,432	448 2,950	464 2,852	NR NR	1,417 170	NR 2,844				
Offset Wolfcamp A & XY Production Table	DATE IP_OIL II	2018 572	1313	104 104	2017 525	018 NR	716	018 10				
	Township Range Section SPUD_DATE COMP_DATE IP_OIL IP_GAS IP_WTR	8102/12/6 2102/51/21	6/19/2016 12/6/2016	3/26/2016 11/9/2016	12/1/2016 1/30/2017	2/23/2018 6/7/7018	1/17/2018 4/5/2018	4/23/2108 8/8/2018				
	Section SPUI	1/11 17	29 6/1	17 92	34 12/	30 1/2	34 1/17	11 4/23				
	lip Range	346	3/6	33£	景	38	36	3%				
	Townsh	Z02	1H 20S	III 23S	302	- 125	302	202				-
	Well Label	PERRY 22 FEDERAL COM ODAH	DELLA 29 FEDERAL COM 701H	WITHERSPOON 26 23 ST 001H	MAS FEDERAL 4H	DAGGER STATE COM 701H	MAS FEDERAL COM 002H	BOONE 16 STATE COM 3H				
	Operator	CIMAREX ENERGY COMPANY	EOG RESOURCES INCORPORATED	CIMAREX ENERGY COMPANY	COG OPERATING LIMITED LIABILITY CORP	ADVANCE ENERGY PRTR	COG OPERATING LIMITED LIABILITY CORP	COG OPERATING LIMITED LIABILITY CORP				
	UW! (APINum)	30025416080000	30025430530000	30025432910100	30025434820000	30025435650000	30025442140100	30025435530000				

Ascent Energy, LLC
Case No. Exhib

Wolfcamp XY Sand & Wolfcamp A Shale Production Data Table Nov 21, 2018

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

1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV 1220 S. St. Francis Dr., Santa Fe. NM 87505

Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

■ AMENDED REPORT

WELL LOCATION AND	ACREAGE I	DEDICATION P.	LAT
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API Number	² Pool Code	³ P ₀	ool Name
⁴ Property Code	⁵ Property GAVILON I		⁶ Well Number 707H
⁷ OGRID No. 325830	8 Operator ASCENT E		⁹ Elevation 3,673'

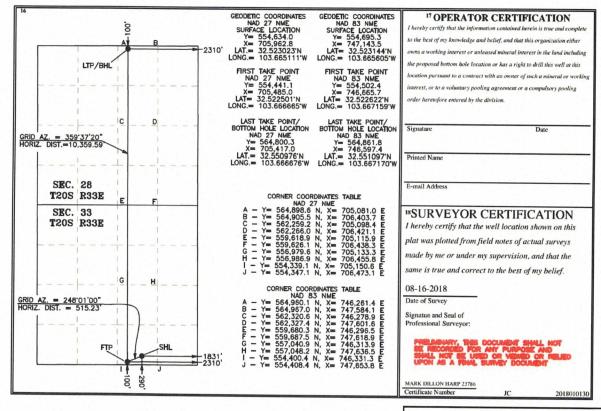
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
О	33	20 S	33 E		290	SOUTH	1,831	EAST	LEA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section 28	Township 20 S	Range 33 E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 2,310	East/West line EAST	County LEA
12 Dedicated Acres	¹³ Joint or	Infill 14 C	onsolidation	Code 15 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



Case No.

GAVILON FED COM 707H C-102 Well Plat

Sept 10, 2018

| District | 1 | 1625 N. French Dr., Hobbs, NM 88240 | Phome: (575) 393-6161 | Fax: (575) 393-6720 | District II | 811 S. First St., Artesia, NM 88210 | Phome: (575) 748-1283 | Fax: (575) 748-9720 | District III | 1000 Rio Brazos Road, Azice, NM 87410 | Phome: (505) 334-6178 | Fax: (505) 334-6170 | Phome: (505) 334-6178 | Fax: (505) 334-6170 | Phome: (505) 334-617

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

District IV

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	² Pool Code	³ Pool Name
Property Code	⁵ Property Name GAVILON FED CO	6 Well Number 708H
⁷ OGRID No. 325830	⁸ Operator Name ASCENT ENERGY	⁹ Elevation

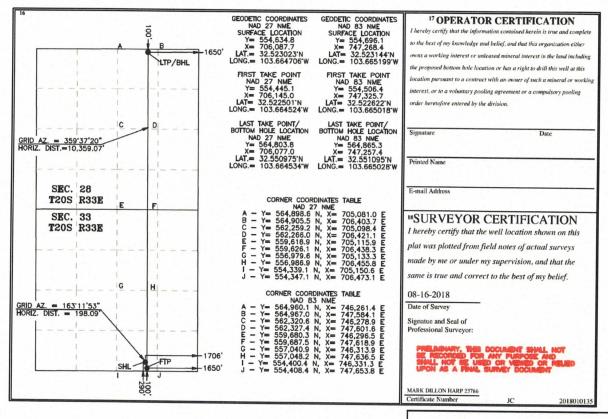
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
О	33	20 S	33 E	15.5	290	SOUTH	1,706	EAST	LEA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section 28	Township 20 S	Range 33 E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 1,650	East/West line EAST	County LEA
¹² Dedicated Acres	13 Joint o	r Infill 14 C	onsolidation	Code 15 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 Case No.

ibit_

Exhibit

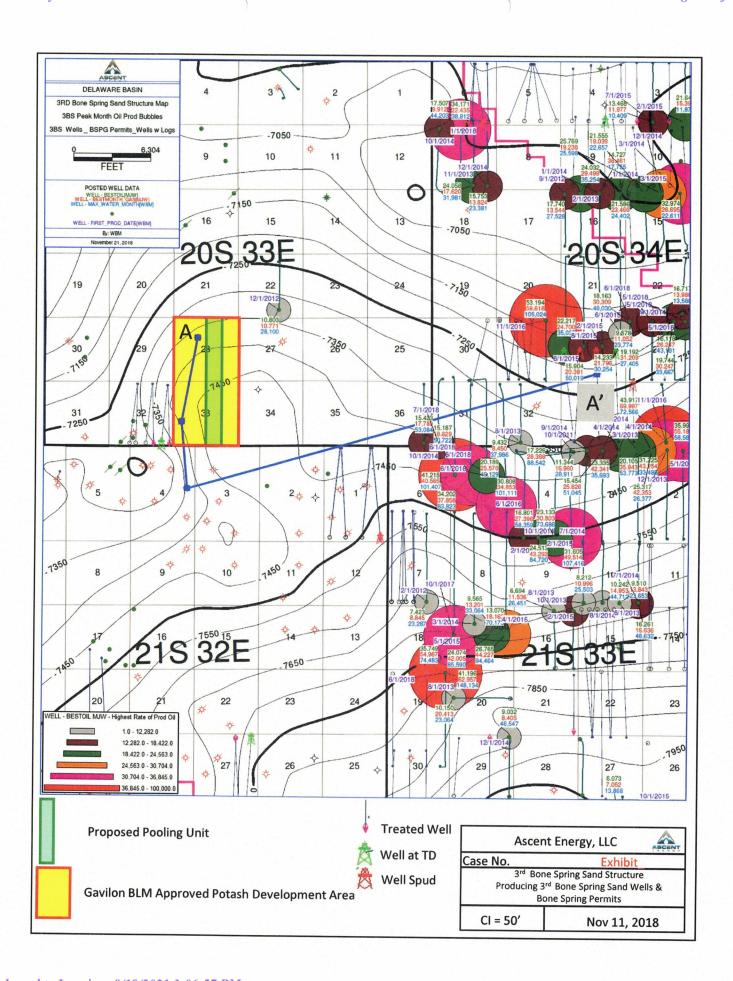
GAVILON FED COM 708H C-102 Well Plat

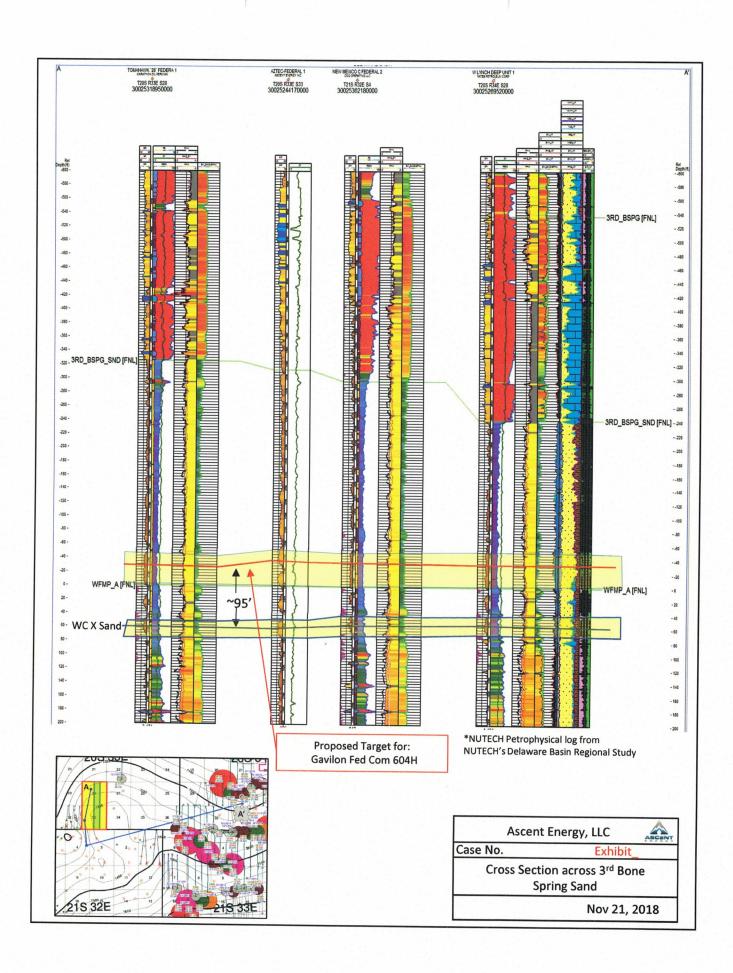
Sept 10, 2018

Case No. 16484

- W2 E2
- Gavilon Fed Com Well No. 506H
- Gavilon Fed Com Well No. 604H







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18, 18, 18, 18, 18, 18, 18, 18, 18, 18,	FASKEN OIL AND RANCH LTD	QUAIL '16' STATE COM 3H	205	-		+	+	-	+	+	1	27.528	71 484	61 500	107.077	+	+-	17 190	T
18. 18.	OPERATING LIMITED LIABILITY CO	FEDERAL	205	-	1	-	24/2013	+	+	+	-	30100	A7 A7A	36 563	110,017	+	+	36.00	T
11. 11.	FASKEN OIL AND RANCH LTD	STATE 4H	305	+		-	25/2012	+	+	+	-	25 35 4	110133	30,303	119,403	+	+	00200	1
11. 11.	OPERATING LIMITED LIABILITY CO	ORF CORAZON STATE UNIT 1H	215	+		-	73/2013	+	+	+	+	53,424	93 500	131,910	140,408	+	+	000'00	
	OPERATING LIMITED LIABILITY CO	ORI III Y REN 2 STATE CO 2H	346	+	+	+	6107/67	+	+	+	+	33,113	63,036	131,/13	108,402	+	+	0/9/70	
	OPERATING LIMITED LIABILITY CO	ORI CORAZON STATE HAIT 911	316	+	+	+	5707/21	+	+	+	+	78,582	150,317	242,902	144,234	+	+	17,548	T
15. 15.	OPERATING LIMITED LIARII ITY CO	DRE BOONE 16 STATE COM 24	346	+	+	+	200762	+	+	+	+	55,033	36,734	36,202	13,398	+	+	1/9/7	
	ODERATING LIMITED LIABILITY CO	ON CONTENTION OF	517	+	+	+	+	+	+	+	+	26,451	21,378	35,545	70,393	+	+	109'73	
1. 15 1. 1	OPERATING LIMITED LIABILITY CO	GOOSES	202	+	+	+	+	+	+	-	+	37,986	35,838	33,326	114,670	+	+	15,389	
15.5. 15.6. 15.0. <th< td=""><td>UPERALING LIMITED LIABILITY CO</td><td>OKI CROCKETI STATE 2H</td><td>215</td><td>+</td><td>+</td><td>+</td><td>+</td><td>-</td><td>+</td><td>+</td><td>-</td><td>23,064</td><td>34,258</td><td>63,410</td><td>75,027</td><td>-</td><td></td><td>31,938</td><td>E/W 3RD BSPG</td></th<>	UPERALING LIMITED LIABILITY CO	OKI CROCKETI STATE 2H	215	+	+	+	+	-	+	+	-	23,064	34,258	63,410	75,027	-		31,938	E/W 3RD BSPG
	OPERATING LIMITED LIABILITY CO	ORI CORAZON STATE UNIT 6H	215	-				-		-	-	25,503	23,963	24,904	68,733	-		26,097	N/S 3RD BSPG
	EGACY RESERVES OPERATING LP		205			-	_	_	,		1	31,981	105,195	89,317	86,633			12,843	N/S 3RD BSPG
	OPERATING LIMITED LIABILITY CC	DRI LILLY BEN 2 STATE CO 3H	215		-		_		-	-	-	33,488	118,638	176,707	129,921	-	-	90,230	N/S 3RD BSPG
	FASKEN OIL AND RANCH LTD	QUAIL '16' STATE 7H	205			-	_	-	-		_	24,402	75,456	82.297	74.711	-	-	12.920	
	OPERATING LIMITED LIABILITY CC	ORI CORAZON STATE UNIT 3H	215			-	-		-	-	-	51.045	59,849	92.539	149.138	-	-	94.060	
	FASKEN OIL AND RANCH LTD	QUAIL 16' STATE 8H	205			-	+	-	-	-	-	17.75	65 501	86.043	80 584	-	+	0770	
13.8 3.8 1.11/20/2018 (44/2016) 1.11/20/2018 (44/201	MEWBOURNE OIL COMPANY	MARATHON BOAD 15 PA 1H	30C	+	+	+	+	+	+	+	+	2000	100,00	00,000	200,00	+	+	2/4/0	T
13. 3. 1.	OPERATING LIMITED LIABILITY CO	NRE RECKNELL STATE COM 2U	346	+	1	+	+	+	+	+	+	110'77	132,820	98,833	111,020	+	+	08,460	T
13.8 3.8 1. TATOMAN AND AND LANGES AND LANGES AND LANGES AND SALES AND LANGES AND LANG	ODERATING LIMITED LIABILITY CO	OCCUMENT STATE COM SH	CITY	+	1	-	+	+	+	+	+	33,064	40,539	58,410	133,837	+	+	4,558	
	OPERATING LIMITED LIABILITY CO	JAN CORAZON STATE UNIT ZH	215	335	3 1/1	-	-	-	+	+	+	35,693	86,253	135,773	123,971	-	-	1,126	
11.1. 3.8.1 4.0.0	OPERALING LIMITED LIABILITY CO	JKI LILLY BEN 2 STATE CO 4H	215	+		-	\rightarrow	-	+	-	-	26,377	91,858	209,505	120,114	-		10,420	N/S 3RD BSPG
338 4 4 4 1,11 4 4 1,11 4 4 1,11 4 1,11 1,	OPERATING LIMITED LIABILITY CO	DRI CORAZON STATE UNIT 9H	215	+						-	-	48,632	60,720	85,000	179,044		-	16,931	N/S 3RD BSPG
338 338 <td>OPERATING LIMITED LIABILITY CO</td> <td>DRI CORAZON STATE UNIT 13H</td> <td>215</td> <td>33£</td> <td>4 3/</td> <td>-</td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td>107,416</td> <td>94,659</td> <td>134,519</td> <td>362,247</td> <td>-</td> <td>-</td> <td>97,954</td> <td>N/S 3RD BSPG</td>	OPERATING LIMITED LIABILITY CO	DRI CORAZON STATE UNIT 13H	215	33£	4 3/	-				-		107,416	94,659	134,519	362,247	-	-	97,954	N/S 3RD BSPG
255 386 23 710 Millor 50 Millor	OPERATING LIMITED LIABILITY CO	DRI CORAZON STATE UNIT 7H	215			-	-		-	-	_	44,712	42.291	72.931	138.266	-		3.066	
135 38 6 40 k/R/RM 1011/RM 40 e 777 3,348 8,350 6,571 105,735 113,485 173,595 13,050 13,185 37,000 13,185 37,000 13,185 37,000 13,185 37,000 13,185 37,000 13,185 37,000 13,185 37,000 13,185 37,000 13,185 37,000 37,185 37,000 37,185 37,000 37,185 37,000 37,185 37,000 37,185 37,000 37,185 37,000 37,185 37,000 37,185 37,000 37,185 37,000 37,185 37,000 37,185 37,000 37,185 37,000 37,185 37,000 37,185 37,000 37,185	CIMAREX ENERGY COMPANY	PERRY 22 FEDERAL COM 1H	205			_	_		-		_	13.580	70.200	64.398	52.049	-	-	M.104	
	OPERATING LIMITED LIABILITY CO	THE CORAZON STATE UNIT SH	215	-		-	-	-	-	+	-	88 547	65.771	105 213	273.750	+	+	1	Т
13 38 4 6727044 114/40164 59 73 3,748 3,432 3,540 55,406 55,406 35,106 31,207 112,448 11,258 13,231 13,248 13,247 3,540 3,540 31,207 11,148 11,259 13,248 3,540 3,540 31,227 11,248 11,259 13,241 3,540 3,540 31,207 11,248 11,259 13,241 3,540 3,540 31,247 13,248 3,540 <td>EOG Y RESOURCES INC</td> <td>TANGO BTP STATE COM 4H</td> <td>205</td> <td>-</td> <td></td> <td>+-</td> <td>-</td> <td>-</td> <td>+</td> <td>1</td> <td>-</td> <td>53.084</td> <td>50.766</td> <td>58 601</td> <td>118162</td> <td>+</td> <td>+</td> <td>1</td> <td>1</td>	EOG Y RESOURCES INC	TANGO BTP STATE COM 4H	205	-		+-	-	-	+	1	-	53.084	50.766	58 601	118162	+	+	1	1
255 346 13 34 13 34 13 34 13 34 13 34 13 34 13 34 13 34 13 34 13 34 13 34 13 34 13 35 34 13 34 13 35 34 13 34 34 34 34 34 34 34 34 34 34 34 34 34 34 34 34 34 34 3	OPERATING LIMITED LIABILITY CO	RE CORAZON STATE UNIT 11H	215	-	1	+-	+	+	+	+	+	04.730	20,100	200,00	2014011	+	+	2010	Т
255 346 3.6 <td>EGACY RESERVES OPERATING LP</td> <td>HAMON FEDERAL COM A 2H</td> <td>205</td> <td>-</td> <td></td> <td>-</td> <td>+</td> <td>+</td> <td>+</td> <td>+</td> <td>+</td> <td>04,120</td> <td>02/20</td> <td>200,000</td> <td>124 440</td> <td>+</td> <td>+</td> <td>1/0/10</td> <td></td>	EGACY RESERVES OPERATING LP	HAMON FEDERAL COM A 2H	205	-		-	+	+	+	+	+	04,120	02/20	200,000	124 440	+	+	1/0/10	
255 346 25 2	MEWBOURNE OIL COMPANY	1	305	+	+	+	+	+	+	+	+	25 500	501/55	50,577	044,440	+	+	415/4	
21 38 4 11/10/2014 11/1	EGACY RESERVES OPERATING 1P		300	+	+	-	+	+	+	+	+	23,256	86,043	119'60	81,370	+	+	069/7	Т
213 38 5 4 4 4 5 4 4 5 4 4 5 4 4 5 4 4 5 4 4 5 4	MARATHON OIL DEDMINN I.C.		502	+	$^{+}$	_	+	+	+	+	+	23,381	69,803	56,332	97,024	+	+	5,912	
215 38 g 16 10/11/2014 2/13/2015 582 886 38,00 13,000 13,048 58,040 58,040 13,040 10,020 13,044 10,020 13,040 10,020 13,044 10,020 13,044 10,020 13,044 10,020 13,044 10,020 13,040 13,040 13,040 10,020 13,044 10,020 13,040 13,040 13,040 10,040 13,0	MANATHON OIL PERINIAN LLC	ABE STATE 2H	CD	+	+	-	+	1	+	+	+	46,547	24,035	15,955	113,886	+	-	9,445	\neg
215 38.6 4 11/4/2014 21/21/2014 21	OPERALING LIMITED LIABILITY CO	BOONE 16 STATE COM 1H	215	+		_	+	-	+	+	+	70,173	61,108	97,188	229,860	-	+	0,884	N/S 3RD BSPG
215 38.6 4 7124/2014 47184/2014 47184/2014 47184/2014 47184/2014 47184/2014 47184/2014 47184/2014 47184/2014 47184/2014 47184/2014 47184/2014 574,00 575,661 35,467 76,400 512,563 580,000 201,403 471,703 471,	OPERALING LIMITED LIABILITY CO	IRE CORAZON STATE UNIT 10H	215	33£	4 11/	-	+	+	+	+	-	58,359	65,466	91,570	210,320	-		78,851	N/S 3RD BSPG
205 346 21 11/16/2014 31/10/2015 3	OPERATING LIMITED LIABILITY CO	IRE CORAZON STATE UNIT 12H	215	+	1	-	-	-	+	-	-	73,686	88,781	135,692	305,220	-		57,476	N/S 3RD BSPG
135 34 15 110/2015 3148/2015 555 422 1,900 21,555 41,259 1,555 41,259 110,556 110,560 <th< td=""><td>FASKEN OIL AND RANCH LTD</td><td>PALOMA 21 FEDERAL CO 3H</td><td>205</td><td>+</td><td></td><td>-</td><td></td><td>-</td><td></td><td></td><td></td><td>30,254</td><td>31,110</td><td>35,467</td><td>76,420</td><td>-</td><td></td><td>006'0</td><td>N/S 3RD BSPG</td></th<>	FASKEN OIL AND RANCH LTD	PALOMA 21 FEDERAL CO 3H	205	+		-		-				30,254	31,110	35,467	76,420	-		006'0	N/S 3RD BSPG
215 38 5 91/84/2014 68/91/2014 68/	MEWBOURNE OIL COMPANY	MARATHON ROAD 15 NC 1H	202	-	7	-		-				22,657	91,288	83,449	110,490	_	-	4,353	N/S 3RD BSPG
215 38 5 11/24/7016 1/165/1016 1/1	OPERATING LIMITED LIABILITY CO	IRE BECKNELL STATE COM 1H	215	-		-	-		-			94,464	92,706	135,674	422,721	-	-	696'40	N/S 3RD BSPG
255 346 21 7/128/7014 6/128/7015 213 265 9.578 11/729 41/773 56,941 56,941 56,941 56,941 41,770 40,647 56,047 56,135 66,343 42,170 42,170 40,647 56,047 55,239 66,343 42,170 42,170 40,647 56,047 52,239 66,343 42,540 140,170 56,047 17,171 90,171 56,943 42,170	OPERATING LIMITED LIABILITY CO	IRI BECKNELL STATE COM 2H	215	33£	5 12/2	-	-		-		-	85,590	110,366	189,058	380,037	_		74,866	N/S 3RD BSPG
255 346 21 9113/2014 679/2015 208 273 301 212,217 24/700 55,637 40,947 51,535 66,338 96,530 65,130 701,051 215 346 27 1/10 1,022 5,039 25,131 35,535 66,034 82,433 407,040 10,32 10,42 20,42 20,391 36,031 82,433 407,040 10,43 10,42 20,41 10,42 13,43 30,80 36,53 11,43 10,42 30,41	FASKEN OIL AND RANCH LTD	PALOMA 21 FEDERAL CO 4H	205	-		-	-	-	-	-		23,774	41,773	45,185	56,491	-	-	5,630	N/S 3RD BSPG
215 316 218 218 218 38,513 38,513 417,701 61,714 417,740 418,523 205 346 34 1,102 1,502 46 47 1,102 1,502 1,102	FASKEN OIL AND RANCH LTD	PALOMA 21 FEDERAL CO 1H	205	+		_						35,037	49,047	52,539	69,383		-	1,051	N/S 3RD BSPG
256 346 21 11/218/70015 4189 617 11/59/20015 68/775 71/211 68/775 71/211 68/775 71/211 68/775 71/211 68/775 71/211 68/775 71/211	MARATHON OIL PERMIAN LLC	ВАТТЕ 2Н	215	-	1	-	-	-	-	-	-	13,868	28,131	35,835	63,034	-		1,532	N/S 3RD BSPG
255 34 23 11/37/2016 91/5 91/5 34/28 34/28 34/28 34/28 34/28 34/28 35/2	FASKEN OIL AND RANCH LTD	PALOMA 21 FEDERAL CO 2H	205	-		_	-	-	-			50,019	65,775	71,211	90,170	-	-	7,443	N/S 3RD BSPG
255 346 34 11/28/7015 11/28/7015 11/28/7015 11/28/7015 11/28/7015 11/28/7015 11/28/7015 11/28/7015 11/28/7015 11/28/7015 11/28/7015 11/28/7015 11/28/7015 11/28/7015 11/28/7015 11/28/7015 11/28/7015 11/28/2015 1	OPERATING LIMITED LIABILITY COI	RE GOOSE STATE COM 2H	205	-	1	-	-	-	-			101,111	100,263	114,519	276,489	-	-	21,415	N/S 3RD BSPG
205 346 29 714/2010 5,23.2 2,634 4,580 53,194 105,044 105,044 30,433 318,473 30,533 318,473 575,012 215 346 25 7,124 24,397 74,483 173,137 260,407 393,860 31,717 471,277 365,100 17,272 471,777 471,277 365,100 17,272 471,777 471,777 471,777 471,777 470,477 470,477 471,777 471,777 470,477 470,477 471,777	OPERATING LIMITED LIABILITY CON	RI MAS FEDERAL 3H	205	-	1	\rightarrow	-	+	-			72,566	159,916	240,661	273,587	-		1,699	N/S 3RD BSPG
215 315 31 31 33,71 33,71 33,71 31,71 41,71 31,71 41,71 <td>OG RESOURCES INCORPORATED</td> <td>DELLA 29 FEDERAL COM 602H</td> <td>205</td> <td>-</td> <td></td> <td>-</td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td>105,024</td> <td>149,894</td> <td>170,130</td> <td>298,314</td> <td>-</td> <td></td> <td>5,012</td> <td>N/S 3RD BSPG</td>	OG RESOURCES INCORPORATED	DELLA 29 FEDERAL COM 602H	205	-		-			-			105,024	149,894	170,130	298,314	-		5,012	N/S 3RD BSPG
205 34f 18 11/2010 214/2018 532 681 34,171 22,435 38,812 120,715 75,246 112,226 142,227 9f.617 215,465 205 34f 27 137/2018 515/7018 155 19 4 6 21,9129 31,905 27,405 4 Months 4 Months 58,706 76,109 79,404 205 34f 27 11/2011 51/2018 9 NR 1,699 19,444 30,247 3,186 4 Months	OPERATING LIMITED LIABILITY COF	RECKNELL STATE COM 004H	215			-	-					74,483	173,132	260,407	393,860	_		8,160	N/S 3RD BSPG
205 346 27 1/30/2018 5/5/2018 129 45 692 13,940 21,940 4 Months 5,058 T 74,271 10,390 205 346 27 1/772018 5/16/2018 29 NR 1,674 30,47 33,667 4 Months 4 Months <td< td=""><td>EGACY RESERVES OPERATING LP</td><td>HAMON A FED COM 009H</td><td>205</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>_</td><td></td><td></td><td>38,812</td><td>120,715</td><td>75,240</td><td>172,226</td><td>-</td><td></td><td>5,145</td><td>N/S 3rd BSPG</td></td<>	EGACY RESERVES OPERATING LP	HAMON A FED COM 009H	205	-	-	-	-	-	_			38,812	120,715	75,240	172,226	-		5,145	N/S 3rd BSPG
205 346 27 1/17/2018 5/16/2018 99 NR 1,679 19,744 30,247 33,667 4 Months 4 Months 4 Months 56,867 74,221 100,350 100 346 34 23,14 16,118 26,37 43,18 4 Months	APACHE CORPORATION	BLACK AND TAN 27 FED 308H	205	-		-	-					27,405	4 Months	4 Months	4 Months	-		9,404	N/S 3RD BSPG
205 346 27 10/74/2012 5/18/2012 5/18/2013 2.341 2.6,247 26,327 43,238 48,238 4,000mbs 4,000mbs 4,000mbs 4,000mbs 3,000mbs 4,000mbs 4,000mbs 3,000mbs 4,000mbs 3,000mbs 4,000mbs 4,000mbs 3,000mbs 4,000mbs 3,000mbs 3,000mbs 4,000mbs 3,000mbs 3,000mbs 1,000mbs	APACHE CORPORATION	BLACK & TAN 27 FEDER 307H	205	-		-						33,667	4 Months	4 Months	4 Months			0,350	N/S 3RD BSPG
205 346 30 10/16/2012 571/2018 878 1,761 2,241 2,0418 2,557.0 49,129 3,550 3,000 3,000 3,000 49,236 57,731 115,510 4 205 346 30 14,000 3,530 3,420 3,158 3,158 3,100<	APACHE CORPORATION	BLACK & TAN 27 FEDER 303H	205			-	-	_		-		43,181	4 Months	4 Months	4 Months	-	-	665'6	N/S 3RD BSPG
205 346 30 11/30/2012 5/21/2018 1,570 1,405 3,330 34,202 37,588 83,823 3 Months 3 Months 3 Months 3 11/30/2018 1,107.156<	XTO ENERGY INCORPORATED	SEVERUS 31 FEDERAL C 001H	205				-	-	-			49,129	3 Months	3 Months	3 Months	-	-	5,101	N/S 3RD BSPG
305 346 30 1/8/2018 5/21/2018 1,600 1,720 3,928 4,115 40,585 101,407 3 Months 3 Months 3 Months 3 Months 1,800 1,127 2,127 1,128 </td <td>KTO ENERGY INCORPORATED</td> <td></td> <td>205</td> <td></td> <td></td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>83.823</td> <td>3 Months</td> <td>3 Months</td> <td>3 Months</td> <td>-</td> <td>-</td> <td>8.304</td> <td></td>	KTO ENERGY INCORPORATED		205			-	-	-	-	-	-	83.823	3 Months	3 Months	3 Months	-	-	8.304	
205 346 27 11/15/2017 61/12018 34 NR 1,070 18,165 30,309 48,030 3Months 3Months 3Months 40,076 59,990 128,901	CTO ENERGY INCORPORATED		205	_		-	-	-	-	-		101.407	3 Months	3 Months	3 Months	-	+	9.863	
305 34E 27 11/15/2017 6/1/2018 34 NR 1,070 18,163 30,309 48,030 3Months 3Months 3Months 40,076 59,690 128,901	CTO ENERGY INCORPORATED		205	-	1	+	+	+	+-	+	-	50.777	2 Months	2 Months	2 Months	+	+	2637	T
TOCOST OCOSC CONTON SIMONICS CONTON C	APACHE CORPORATION	BLACK & TAN 27 FEDER 301H	205	-		-	-	┝	+	-	1	40,030				+	+	1	Т
VANCE REPRESENTATION FOR THE STATE COMMENDED THE STATE OF THE STATE COMMENDED THE STATE OF THE S	E ENERGY PARTNERS HAT MESA I	DAGGER STATE COM GOAH	215	+	+	4	4						THE PERSON NAMED IN COLUMN 1	3 Months	- Thomas	-	-		

ASCENT

Case No.

Exhibit_

3rd Bone Spring Sand Production Data Table

Nov 21, 2018

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

Phone: (575) 748-1283 Fax: (575) 748-9720 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

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

District IV

State of New Mexico

Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr.

Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool	Name
⁴ Property Code		perty Name DN FED COM	⁶ Well Number 604H
⁷ OGRID No. 325830		rator Name IT ENERGY	⁹ Elevation 3,673'

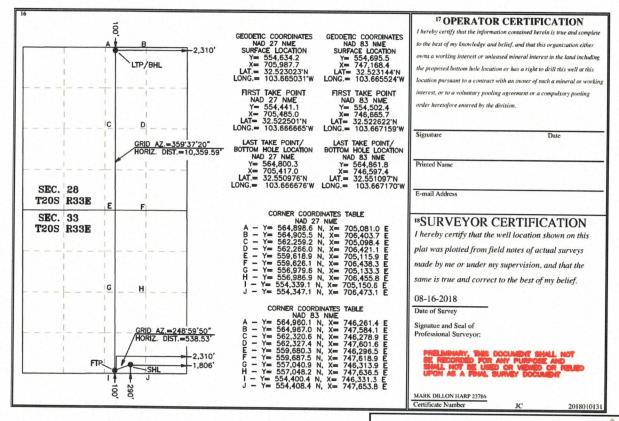
10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	33	20 S	33 E		290	SOUTH	1,806	EAST	LEA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section 28	Township 20 S	Range 33 E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 2,310	East/West line EAST	County
12 Dedicated Acr	es 13 Joint o	r Infill 14 C	onsolidation	Code 15 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

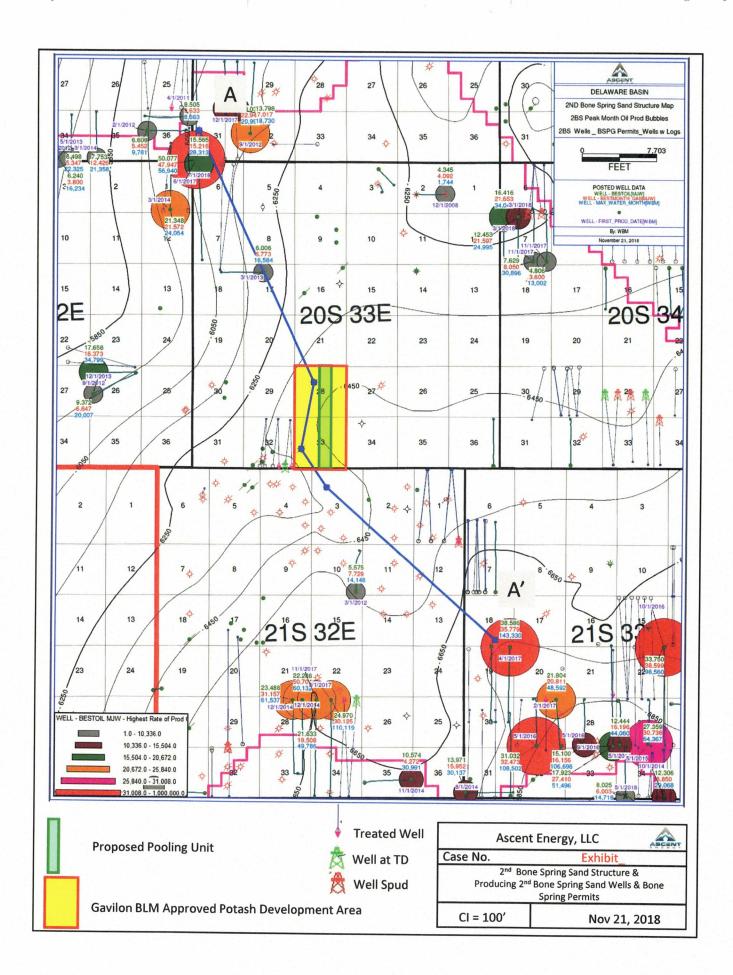
ASCENT

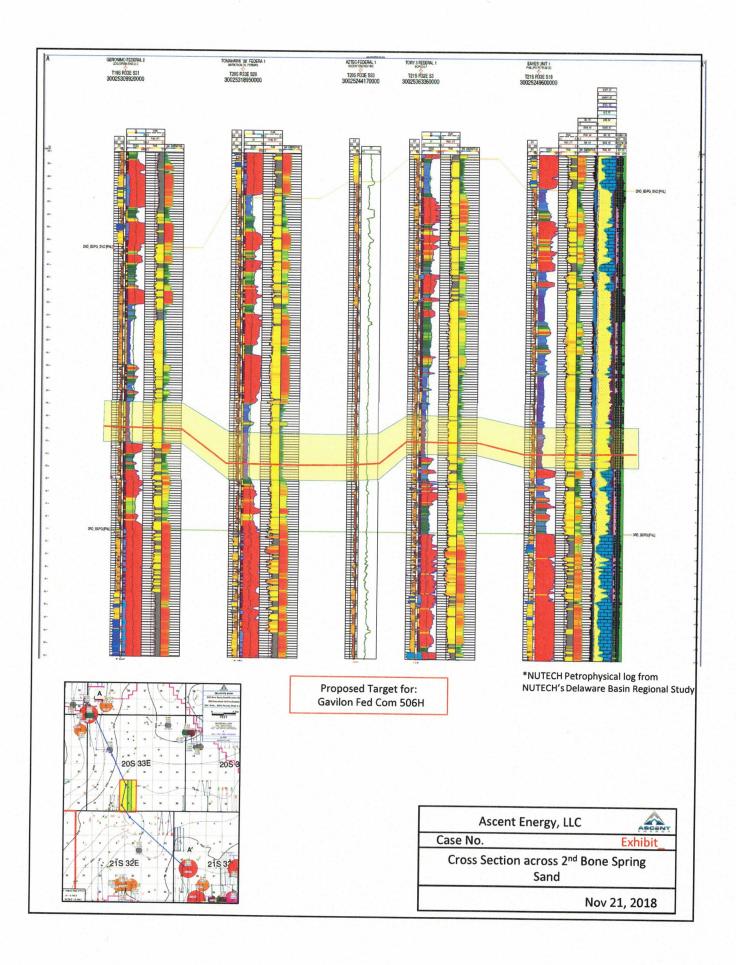
Case No.

Exhibit

Gavilon FED COM 604H C-102 Well Plat

Sept 10, 2018





Character Character Control Stage St	The second secon			Constitution of	The second	The second second	The state of the s	Offiset 2nd	Bone Sp.	ring Sand P	Offset 2nd Bone Spring Sand Production Table	Table									
COMMESTERINGEN CONTROLLEN STATE	WI (APINum)	Operator	Well Label	Township	Range Se	ction SPU	D_DATE COL	AP_DATE IP	0 dl 110			THE REAL PROPERTY AND ADDRESS OF THE PARTY O		1ST_6_MONTHS_ CUM OIL BO	1ST_6_MONTHS_ CUM GAS MCF	1ST_6_MONTHS_ CUM_WATER BW	NNTHS_ CUMOIL		CUMGAS CUMWTR LATERAL	IR LATERAL	LATERAL_ AZIMUTH HOR ZONE
CHAMASTERSECTOS COGONADO STATE THE TOLD BY STATE BY STATEMENTORINE COCONADO STATE THE TOLD BY STATE BY STATEMENTORINE COCONADO STATE THE TOLD BY STATEMENTORINE COCONADO STATEMENTORINE COCONA	025313180100	BTA OIL PRODUCERS LLC	GEM 8705 JV-P 6	205		2 8/	26/2008 1/	12/2009	276 1.				1.744	17,440	14.881	6 380		-	-		2ND RSPG S
Color New York Color C	125398870100	CIMAREX ENERGY CO OF COLORADO	STATE HH COM 3H	195							8,505	9,633	8,663	30,557	30,031	26,879		-		-	2ND BSPG S
COMMESTICRESTIC OFF CORORAND STRIFF HE 185 31 51 19 501 13 50 15 15 15 15 15 15 15 15 15 15 15 15 15	05401420000	MEWBOURNE OIL COMPANY	OCELOT 34 FEDERAL CO 1H	195					-	-		5,347	22,325	28,429	27,565	93.198		-	-		2ND BSPG S
COMMEST REBINCTO OF COLORADO MAIN DEST. WE FIREBALA MAY 155 327	0010214170100	CIMAREX ENERGY CO OF COLORADO	STATE 'HH' 1	195	32E							5,452	9,781	23,796	20,809	13,671		-	-		2ND BSPG S
COLMARET REGENT CO G COLOMAN SANOTHER NAME	000298030000	CIMAREX ENERGY CO OF COLORADO	HAT MESA '10' FEDERA 2H	215							5.575	7.729	14.148	18 348	25.134	39 144			-	-	2ND RCDG C
COG COPCARAINCE UNITED LAMBRITT CORP COECUPERDAL 2014 2005 235 25 77 77 24 26 25 25 25 25 25 25 25	025404370000	CIMAREX ENERGY CO OF COLORADO	MADURO UNIT 9	195	-						23,035	22,948	20,999	93,649	95.561	91.482			-		2ND RSPG S
COG OPERATING LUMITO URBALITY CORP LORGO SESTATE HH 215 315 25 172,7001 111/2011 156 16 24 6,006 6,773 15,555 32,595 32,700	125404470000	CIMAREX ENERGY CO OF COLORADO	SNODDY FEDERAL 20H	205	_				-		17.658	16.373	34.799	48.454	66.479	110110	T	+	+		OND BCDC
MARATHON OF FERMANILL GREGN ROG CAFFER H 265 326 13 101/2010 101/2010 15 16 101 10	25403490100	COG OPERATING LIMITED LIABILITY CORP		215	-	-	-	-	-	-	9.456	4.437	17519	38 587	11 403	45,633	1	+		-	SAID BCDC
COMMEC REGION CO OF COOMAN CENAMALIC 185 327 5 5 10772013 17177014 1516 567 5575 12.46 7 30.00 12.508 26.004	25408280000	MARATHON OIL PERMIAN LLC	-	205	-		-		-	-	900.9	6773	16 584	20.780	26.298	73 100	T	+	+	-	OND BCDC
CCG OFGRANNE CINC PRESONRETS LIGHT AND THE TOTAL CONTRACT	25408370000	CIMAREX ENERGY CO OF COLORADO	SNODDY FEDERAL 23H	205						-	9372	6.647	20007	25.408	28 461	56 707	T	+	1	-	SAN BODG C
OCCORDENSING NIMED LUBBILITY CORP PYGAN TYS STREEGAL IH 115 315 31 31/2014 51/2014 515 50 1,481 12,44 16,156 44,090 54,895 OCCORDENSING UNITED LUBBILITY CORP PYGAN TYS STREEGAL IH 215 315 31 31/2014 31/2014 51/	25409900000	EOG Y RESOURCES INC	LUSK 'AHB' FEDERAL 10H	195	-			-	-		-	12.426	21.358	36.966	22 124	11119		+	+	-	S S S S S S S S S S S S S S S S S S S
MANAMERINE UNMERD LANGLITY COMPANY LEGARATINE LANGLES STATE COME HE 215 11 177,001 816,001 1587 1587 15157	25408270000	MARATHON OIL PERMIAN LLC	GAY NINETIES FEDERAL 1H	195			-			-	-	21.572	24.054	74 503	098 860	104 736		+		-	2ND RCDG C
ACHANACE BRESOF PARTINESS HAT MESSLILC DAGGES STATE UNIT 2H 215 33E 31 1/17/2014	-	COG OPERATING LIMITED LIABILITY CORP	_	215			-		-		12,444	16,196	44.060	54.896	62.627	210.180		+	1	-	2ND RSPG S
MARATHON OF PERMAN LLC		DVANCE ENERGY PARTNERS HAT MESA LLC	-	215		-		-			13.971	15.952	30.137	47.357	57.387	126 229	-	-	1	-	2ND BCDC C
Decomplement Deco	25413640100	MARATHON OIL PERMIAN LLC	BATTLE 1H	215	_						12,306	8,850	29,068	48,466	32.345	95.900	T	-	1	-	2ND RSPG S
DEVON TERESOF PRODUCTION COMPANY P BILBREY 33* FEDERAL 4H 215 326 31 7766/2014 1217/2014 685 953 2,242 3,348 3,157 61,537 106,010	25417800100	OXY USA WTP LP	ANDERSON '35' 3H	215	_				-	-	10,574	4,272	30,991	32.596	14.668	111 309		-			2ND RSPG S
DEPOYN ENERGY PRODUCTION COMPANY 10 PHYSIAN 275 STATE 3H 215		EVON ENERGY PRODUCTION COMPANY LF		215							22,288	50,704	60,132	99,512	94,084	248,424		-			2ND BSPG S
COG OPERATING LIMINED LUBALITY CORP WARRELES STATE COMMONDON TOG OPERATING LIMINED LUBALITY CORP WARRELES STATE COMMONDON WARRELING ONLY COMMONDON WARRELES STATE STATE COMMONDON WARRELES STATE STATE COMMONDON WARRELES STATE STATE COMMONDON WARRELES STATE STATE STATE COMMONDON WARRELES STATE S		EVON ENERGY PRODUCTION COMPANY LP		215	-			-			23,488	31,157	61,537	106,010	106,633	264,453					2ND BSPG S
COG OPERATING LIMITED LIABILITY CORP WARRIERS STATE COM 441 215 336 29 9/39/2015 5/12/2016 1455 1461 2,377 31,622 32,473 106,529 145,520	-	COG OPERATING LIMITED LIABILITY CORP		215	-						27,359	30,738	64,367	113,388	147,787	250,430					2ND BSPG S
COG OPERATING LIMITED LABALITY CORP VARBELES STATE SOILH 215 336 73 9797/2015 6721/2016 1455 1461 2377 31,023 23,473 106,503 145,520	+	COG OPERATING LIMITED LIABILITY CORP	+	215	4		-		-	-	15,100	16,156	106,698	73,465	84,599	294,552	2 180,779	79 287,690	0 641,483		2ND BSPG S
COG OPERATING LIMITED LIABILITY CORP WARRELTS STATE COM 4H 215 316 1777016 9728/2016 53 77 4,468 313-75 35,99 98,560 LOG OPERATING LIMITED LIABILITY CORP AND AND AND AND AND AND A FEDERAL COM 14 1215 316 1777016 1777016 172701 172 1746 3168 317-75 38,59 98,560 MARATHON OU FERMAN LLC BACK COM SOME 121 121 316 1777016 172701 172 172 172 172 172 172 172 172 172 17	+	EOG RESOURCES INCORPORATED	FRUIT LOOP 29 STATE SOIH	215	-	+			-	-	31,032	32,473	108,502	145,520	144,676	726,692	7 332,165	65 380,048	8 533,824	N/S	2ND BSPG S
COG OPERATING IMMITED LABLITY CORP. ALSWERNY YATE COM.H. 215 316 215 476/2016 213/701	+	COG OPERATING UMITED LIABILITY CORP	WARBLER STATE COM 4H	215	-	+			-		17,923	27,410	51,496	78,690	92,074	278,749	9 283,699	99 469,372	2 848,433	N/S	2ND BSPG S
MAMATHON OF FRAMAN LIC ABE STATE OBH 215 33E 37 10/11/7016 2/3/2017 1,325 1,146 3,058 21,800 30,125 110,119 41,559 31,809	+	COG OPERATING LIMITED LIABILITY CORP	RASPBERRY STATE COM 1H	215	-	+		-	-	-	33,750	38,599	98,560	161,865	166,446	397,244	4 524,467	57 721,922	1,028,116		2ND BSPG
MENDONINE OF COMPANY BIBBET 34-77 BJNC FOOTH 215 316 37 375/2015 312/2017 134 135 135 135 135 135/2017 134 135 135 135/2017 135/2	25422300000	MARATHON OIL PERMIAN LLC	ABE STATE 003H	215	+	+		+	-	-	21,804	20,811	48,592	81,899	77,020	169,015	5 138,685	85 122,600	224,822	N/S	2ND BSPG S
MANAMERIENER PARTINESALIE DAGGER STATE COM SONH 215 336 37 775/2016 4728/2017 1,428 1,429 3,956 38,586 35,779 143,330 183,100		MEWBOURNE OIL COMPANY		215	+	+			-	-	24,970	30,125	110,119	110,054	125,713	457,784	4 226,940	40 251,305	5 783,185	N/S	2ND BSPG S
MARATHUN OL FERMAN LLC BATTLE SA FEDERAL COSH 215 336 27 57/2017 1/20/2017 1/20 568 1,008 8,005 6,003 14,718 4 Months MARATHUN OL FERMAN LLC BLACK HONSE FEDERAL COLIH 205 338 7 12/25/7016 100/70017 1,665 622 15,716 33,116 3,178		DVANCE ENERGY PARTNERS HAT MESA LLC		215	-		-			-	38,586	35,779	143,330	183,104	182,006	402,652	2 365,333	33 339,023	8 642,910	N/S	2ND BSPG S
MARATHON CHERMAN LLC BLACK HORSE FEDERAL 301344 MARATHON CHERMAN LLC BLACK HORSE FEDERAL 301344 MARATHON CHERMAN LLC BLACK HORSE FEDERAL 301344 MARADON PRODUCTION COMPANY BLEBERY 34-27 BAND FOOTH BLATADON PRODUCTION COMPANY BLATADON COMPANY BLATADON PRODUCTION COMPANY BLATADON PRODUCTION COMPANY	25426360000	MARATHON OIL PERMIAN LLC	BATTLE 34 FEDERAL 004H	215	+	+			-		8,025	6,003	14,718	4 Months **	* 4 Months	4 Month:	hs 27,123	23 14,195	42,161	N/S	2ND BSPG S
MATADOR PRODUCTION COMPANY FEDERAL 30 1734 155 336 30 7/8/7017 11/28/7017 558 353 1,585 14,395 13,896 19,370 19,370 11/28/7017 11/28/7017 11/28/7017 11/28/7017 11/28/7017 11/28/7017 11/28/7017 11/28/7017 11/28/7017 11/28/7017 11/28/7017 11/28/7017 11/28/7017 11/28/7018 11/28/7017 11/28/7018 11/28/7017 11/28/7018 11/28/7017 11/28/7018 11/28/7017 11/28/7018 11/28/7017 11/28/7018 11/28/7017 11/28/7018 11/28/7017 11/28/7018/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 11/28/7018 1	25432400000	MARATHON OIL PERMIAN LLC	BLACK HORSE FEDERAL 001H	205	-					-	15,565	15,216	28,313	2 Months *	2 Months	2 Month	hs 26,853	3 24,749	48,752	N/S	2ND BSPG S
MATADOUR PRODUCTION COMPANY REPREAL 3D 124H 155 33E 30 11/71/2017 1/13/2018 816 467 1,180 13,798 1507 18,730 49,786 16,64C MESTRES OPERATING UP HAMON A FEDERAL COM 008H 205 34E 6 7/19/2017 2/12/2018 815 467 1,180 13,798 7,017 18,730 17,017	25424670000	MATADOR PRODUCTION COMPANY	FEDERAL 30 123H	195	-	-					14,395	13,869	19,370	70,091	60,601	82,864	1 94,158	88 70,419		N/S	2ND BSPG
MATADOR PRODUCTION COMPANY FEDERAL 30 1244 158 33	5438720000	MEWBOURNE OIL COMPANY	BILBREY 34-27 B2MD F 001H	215	-		-		-		21,633	19,508	49,786	86,672	76,524	229,849	9 126,044	44 113,609	316,640		2ND BSPG S
LEGACY RESERVES OPERATING LP HAMMON A FEDERAL COM 008H 205 346 57/57/2017 2/17/2018 172 232 1,748 4,806 3,600 13,002	5441490000	MATADOR PRODUCTION COMPANY	FEDERAL 30 124H	195	-		-		-		13,798	7,017	18,730	70,443		70,058	3 70,443	30,716	70,058	N/S	2ND BSPG S
LEGACY RESERVES OPERATING UP HAMMON A FEDERAL COM 008H	5432490000	LEGACY RESERVES OPERATING LP	HAMON A FEDERAL COM 008H	205		-	-	-			4,806	3,600	13,002	19,089	11.807	32.340	22.709	15.407	39.539	N/S	2ND RSPG S
LEGACY RESERVES OPERATING UP HAMMON A FEDERAL COM 012H 205 346 18 9/9/2017 3/21/2018 854 799 1,112 12,453 21,597 24,995	5432140000	LEGACY RESERVES OPERATING LP	HAMON A FEDERAL COM 006H	205			-		-	-	7,629	8,050	30,896	19,561	24,820	54,155		-		N/S	2ND BSPG S
LEGACY RESERVES OPERATING LP	25432530000	LEGACY RESERVES OPERATING LP	HAMON A FEDERAL COM 012H	205	-		-			-	12,453	71,597	24,995	46,749	61,361	75,202		-		N/S	2ND BSPG S
ADVANCE ENERGY PRITR DAGGER STATE COM 3/69H 215 33E 30 4/28/2018 8/17/2018 NR NR	5432510000	LEGACY RESERVES OPERATING LP	HAMON A FED COM 010H	205		-	-			-	16,416	21,653	34,041	48,767	66,818	90,527	48,767	57 66,818	96,303	N/S	2ND BSPG S
ANIMALIC TAITOU NATA	5436270000	ADVANCE ENERGY PRTR	DAGGER STATE COM SOSH	215	-		-											-	-	N/S	2ND BSPG S
ADVANCE ENERGY PRIR DAGGER STATE COM 508H 21S	30025436290000	ADVANCE ENERGY PRTR	DAGGER STATE COM 508H	215	33E 3		-	-												N/S	2ND BSPG S
3002545560000 ADVANCE ENERGY PRIR DAGGER STATE COM SOGH 21S 33E 30 6/2/2018	5435640000	ADVANCE ENERGY PRTR	DAGGER STATE COM SOGH	215	_	-	/2018													N/K	2ND RSDG S

Ascent Energy, LLC

Case No.

Exhibit

2nd Bone Spring Sand Production Data
Table

Nov 21, 2018

 $brack 1^{st}$ reported monthly production 10 months after IP date

1st reported monthly production 8 months after IP date

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

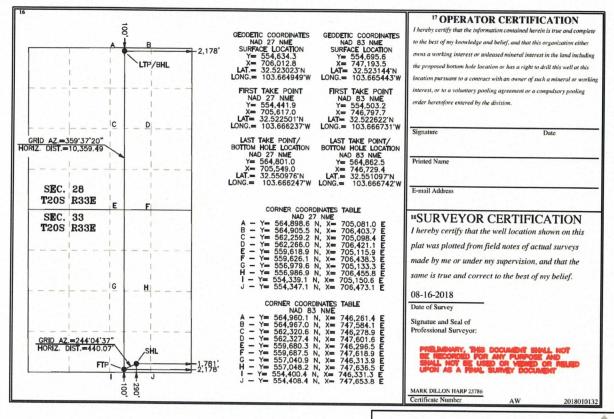
■ AMENDED REPORT

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

¹⁰ Surface Location UL or lot no. Section Township Rang Lot Idn Feet from the Feet from the East/West line County 33 0 20 S 33 E 290 SOUTH 1,781 **EAST** LEA

¹¹ Bottom Hole Location If Different From Surface UL or lot no. Sectio Township Rans Lot Idn Feet from th North/South li Feet from th East/West li County B 28 20 S 33 E 100 NORTH 2,178 **EAST** LEA 12 Dedicated Acres Joint or Infill Consolidation Code Order 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

Exhibit

Case No.

Gavilon FED COM 506H C-102 Well Plat

Sept 10, 2018

Affidavit of Publication

STATE OF NEW MEXICO COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

> Beginning with the issue dated January 10, 2019 and ending with the issue dated January 10, 2019.

Publisher

Sworn and subscribed to before me this 10th day of January 2019.

Business Manager

My commission expires

January 29, 2019.

(Seal)

OFFICIAL SEAL
GUSSIE BLACK
Notery Public
State of New Mexico

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said



LEGAL

LEGAL

LEGAL NOTICE JANUARY 10, 2019

To: John Benedict, or your successors or assigns: Ascent Energy, LLC has filed the following applications with the New Mexico Oil Conservation Division:

Case No. 16484: Ascent Energy, LLC seeks an order pooling all mineral interests in the Bone Spring formation underlying a 320-acre horizontal spacing unit in the Bone Spring formation comprised of the W/2E/2 of Section 28 and the W/2E/2 of Section 33, Township 20 South, Range 33 East, NMPM. The unit will be dedicated to the Gavilon Fed. Com. Well No. 506H and the Gavilon Fed. Com. Well No. 506H and the Gavilon Fed. Com. Well No. 604H, horizontal Bone Spring wells with first take points in the SW/4SE/4 of Section 33 and last take points in the NW/4NE/4 of Section 28.

Case No. 16486: Ascent Energy, LLC seeks an order pooling all mineral interests in the Wolfcamp formation underlying a 320-acre horizontal spacing unit in the Wolfcamp formation comprised of the W/2E/2 of Section 28 and the W/2E/2 of Section 33, Township 20 South, Range 33 East, NMPM. The unit will be dedicated to the Gavilon Fed. Com. Well No. 707H and the Gavilon Fed. Com. Well No. 707H and the Gavilon Fed. Com. Well No. 708H, horizontal Wolfcamp wells with first take points in the SW/4SE/4 of Section 33 and last take points in the NW/4NE/4 of Section 28.

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, January 24, 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 3-1/2 miles east-southeast of Halfway, New Mexico.

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