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 MEWBOURNE OIL COMPANY FOR A NON-STANDARD GAS SPACING AND PRORATION UNIT AND COMPULSORY POOLING, EDDY COUNTY, NEW MEXICO.

Case No. 16236

VERIFIED STATEMENT OF COLE MCCURDY

Cole McCurdy, being duly sworn upon his oath, deposes and states:

- 1. I am a landman for Mewbourne Oil Company ("Mewbourne"), 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 Wolfcamp horizontal spacing unit described below, and in wells to be drilled in the unit.
 - (b) No opposition is expected because the interest owners being pooled have either been contacted regarding the proposed well, but have refused to voluntarily commit their interests to the well, or are unlocatable.
 - (c) A plat outlining the unit being pooled is attached hereto as Attachment A. Mewbourne seeks an order approving a 640-acre horizontal gas spacing unit in the Wolfcamp formation comprised of the S/2 of Section 9 and the S/2 of Section 8, Township 24 South, Range 28 East, NMPM. Mewbourne further seeks the pooling of all mineral interests in the Wolfcamp formation underlying the unit. The unit will be dedicated to the Chicago 9/8 WOIL Fee Well No. 1H (API No. 30-01544261), a horizontal well with a surface location in the SE/4NE/4 of Section 9, and a final take point in the NW/4SW/4 of Section 8.
 - (d) The parties being pooled and their interests are set forth in Attachment B. Their current and correct addresses, or last known addresses, are also set forth.



- (e) Some of the interest owners are not locatable. In order to locate the interest owners Mewbourne examined the county records, performed internet searches, checked telephone records, made calls to family members, and searched Accurint and Whitepages.
- (f) Attachment C contains a summary of contacts or attempted contacts with the interest owners, together with copies of the proposal letters sent to the interest owners.
- (g) Mewbourne has made a good faith effort to obtain the voluntary joinder of the working interest owners in the proposed well, or to locate the owners.
- (h) Mewbourne has the right to pool the overriding royalty owners in the well unit.
- (i) Attachment D is the Authorization for Expenditure for the proposed well. The estimated cost of the well set forth therein is fair and reasonable, and is comparable to the costs of other wells of similar depth and length drilled in this area of Eddy County.
- (j) Mewbourne requests overhead and administrative rates of \$8000/month for a drilling well and \$800/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 Eddy County. They are also the rates set forth in the Joint Operating Agreement for the well unit. Mewbourne requests that these rates be adjusted periodically as provided in the COPAS Accounting Procedure.
- (k) Mewbourne requests that the maximum cost plus 200% risk charge be assessed against non-consenting working interest owners.
- (l) Mewbourne requests that it be designated operator of the well.
- (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 TEXAS)	
) ss.	
COUNTY OF MIDLAND)	

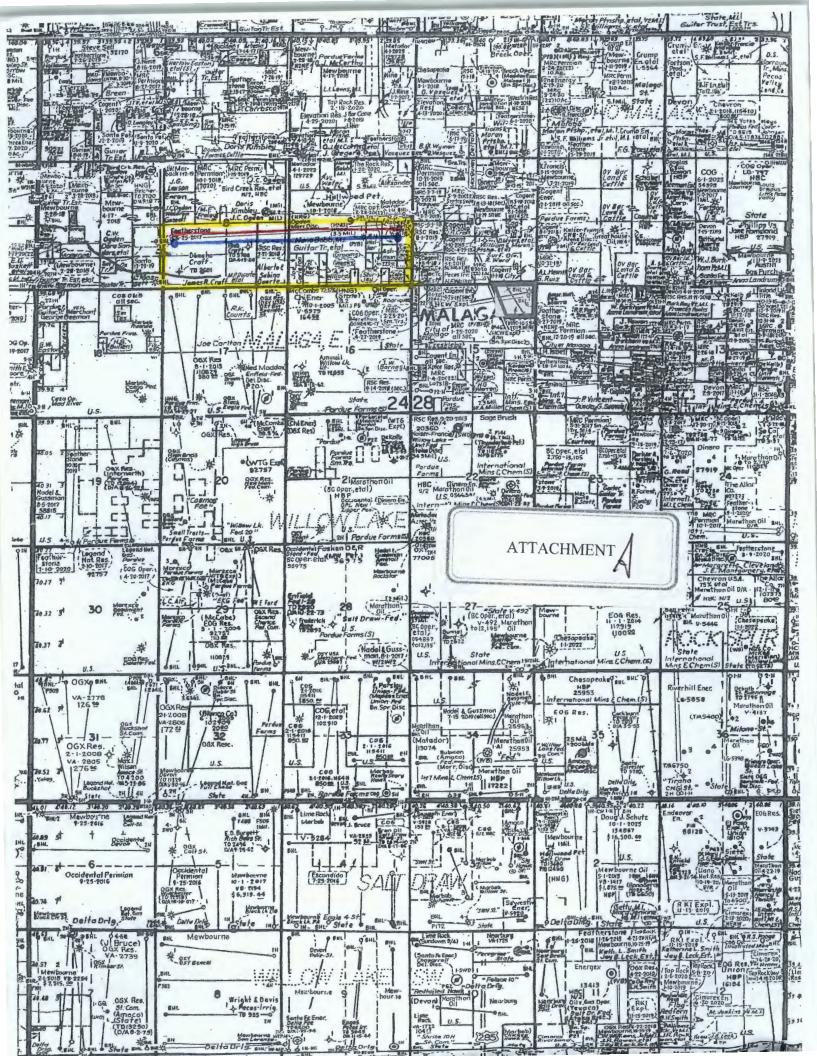
Cole McCurdy, being duly sworn upon his oath, deposes and states that: He is a landman for Mewbourne Oil Company; he is authorized to make this verification on its behalf; he has read the foregoing statement, and knows the contents thereof; and the same is true and correct to the best of his knowledge, information, and belief.

Cole McCurdy

SUBSCRIBED AND SWORN TO before me this $\frac{25th}{}$ day of July, 2018 by Cole McCurdy.

My Commission Expires: 8-26-19

Notary Public



Form C-101 August 1, 2011

Permit 237154

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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

	Dr., Santa Fe, NM 3470 Fax:(505) 476				Sa	nta i	Fe,	NM :	8750)5							
		APPLICATI	ON FOR P	ERMI	T TO DRIL	L, RE	ENTI	ER, DE	EPEN	PLUGBA	CK, OR	ADD					
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	BOURNE OIL CO Business Park B												3. API N				
	, NM 88240												J. A. I I		15-4426°	1	
4. Property Code		5.	Property Name										6. Well				
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						7. Surf	face L	ocation									
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UL - Lot E	Section 8	Township 24S	Range	28E	Lot Idn	E	Feet F	From 220	n	N/S Line N		From 33	30	E/W Lir	ne W	County	Eddy
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Liner1	6.125		.5	-	13.5		-+		20140			415		9879			
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		d with 19.15.14.9	(A) NMAC	K and/o	or 19.15.14.	9 (B) NM	IAC										
X, if applicable	е.																
Signature:																	
Printed Name:	Electronica	Ily filed by Monty	Whetstone				_	Approved	By:	Raymoi	nd Podany	,					
Title:		dent Operations						Title:		Geolog							
Email Address:		mewbourne.com	1					Approved	Date:	6/8/201			E	xpiration	Date: 6/8	3/2019	
Date:	6/2/2017 Phone: 903-561-2900				-	Conditions of Approval Attached											

Tract Ownership Chicago 9/8 WOIL Fee #1H S/2 of Section 8 and S/2 of Section 9, T24S, R28E, Eddy County, NM

Total	100.000000%
Stratco Operating Company, Inc.	0.021883%*
Roberts Special Needs Trust	
Holder Roberts, deceased, Wesley Keith Roberts, and the Karen	
Heirs and/or devisees of R. C. Roberts, deceased, Estate of Dorothy	0.173611%*1
The Malaga Cemetery Association	0.234375%*
Successors and assigns of Emily L. Asmus and Almata C. Asmus	0.781250%*
Successors and assigns of H.F. Grooms, et al.	0.781250%*
Quaestor Corporation	0.789164%*
Bird 2000 Limited Partnership	1.002291%*
Costilla Energy, Inc.	1.677389%*
Mewbourne Oil Company, et al.	94.538787%

Mewbourne Oil Company, et al. indicates parties signed up to proposed Operating Agreement dated July 1, 2017, naming Mewbourne Oil Company as Operator.



^{*}Indicates the entity being pooled.

¹ Heirs and/or devisees of R. C. Roberts, deceased, Estate of Dorothy Holder Roberts, deceased, Wesley Keith Roberts, and the Karen Roberts Special Needs Trust appear to own 0.173611% in the S/2 of Section 8 and the S/2 of Section 9, T24S, R28E, Eddy County, NM. However, it is unclear how much each party owns individually.

EXHIBIT A

- Bird 2000 Limited Partnership P.O. Box 164009 Fort Worth, TX 76161
- McKay Living Trust dated July 2, 1982
 P.O. Box 2014
 Roswell, NM 88202
- Roy L. McKay
 P.O. Box 2014
 Roswell, NM 88202
- 4. Quaestor Corporation
 1039 N. Interstate 35E Ste 301
 Carrollton, TX 75006
 -or2243 Valwood Parkway
 Farmers Branch, TX 75234
 (Last known addresses)
 (Publish notice)
- EOG Resources, Inc.
 5509 Champions Drive Midland, TX 79706 Attn: Land Manager
- 6. Costilla Energy, Inc.
 P.O. Box 10369
 Midland, TX 79702
 -or400 W Illinois, Suite 1000
 Midland, TX 79701
 (Last known addresses)
 (Publish notice)
- Stratco Operating Company, Inc. 400 Buckeye Trail Austin, TX 78746
- Wesley Keith Roberts
 418 Forest Hills Drive
 League City, TX 77573
- The Karen Roberts Special Needs Trust 891 Winding Trail Holly Lake Ranch, TX 75765

Summary of Communications Chicago 9/8 WOIL Fee #1H

Quaestor Corporation

- 1) Mailed JOA via certified mail dated 8/2/17.
- 2) Certified mail receipt says the package was undeliverable as addressed and was returned.
- 3) Called a phone number I found through internet research on 2/28/18, but the number had been disconnected and did not go through.
- 4) Mailed the Chicago 9/8 W0IL Fee #1H well proposal letter and AFE via certified mail dated 5/1/18.
- 5) Certified mail receipt says the package is in transit. I have not yet received the package back as undeliverable.
- 6) I have been unable to find any other contact information.

Bird 2000 Limited Partnership

- 1) Mailed JOA via certified mail dated 7/11/17.
- 2) On 7/25/17, I received an email from Jay Van Zandt indicating that they had received our JOA and would like to receive any information I had regarding their interest in the unit.
- 3) On 7/25/17, I sent an email to Jay containing the assignment into Bird 2000 LP.
- 4) On 8/15/17, Jay emailed me a copy of their well data requirement sheet and said that his superior was out of the office and that he would have him sign the JOA once he returned. I did not receive the executed JOA.
- 5) On 11/29/17, Jay emailed me and said that he had found the unexecuted JOA and asked about the status of the unit.
- 6) On 11/29/17, I emailed Jay back and updated him on the status of the upcoming wells.
- 7) On 2/1/18, Jay had emailed me asking for another copy of the JOA.
- 8) On 2/1/18, I sent an email to Jay containing the JOA for their execution.
- 9) On 2/28/18, I received a call from Jay and he had a question regarding the language in the JOA.
- 10) On 3/1/18, I received an email from Jay inquiring about the JOA.
- 11) On 3/2/18, I received an email from Jay inquiring about the JOA.
- 12) On 3/2/18, I called Jay and inquired about the status of the JOA.
- On 3/5/18, I sent an email to Jay asking if Bird 2000 LP would be interested in selling their interest. Jay then notified me that they weren't interested in selling.
- 14) On 4/3/18, I received an email from Jay inquiring about our operations in the unit.
- 15) On 4/3/18, I emailed Jay and inquired about the status of the JOA.
- Mailed the Chicago 9/8 W0IL Fee #1H well proposal letter and AFE via certified mail dated 5/1/18.
- 17) Certified mail receipt says the package was received on 5/5/18.
- 18) On 6/5/18, I received an email from Jay that contained their signed AFE, but the email did not contain their signed JOA. Jay had also inquired about the status of the well.



- 19) On 6/5/18, I emailed Jay and informed him on the status of the wells. I also inquired about their participation in the unit.
- 20) On 6/5/18, I received an email from Jay notifying me on the status of their participation and that they were in the process of trying to divest all of their acreage in this area.
- 21) On 6/5/18, I emailed Jay and notified him about our pooling hearing. He did not respond. I have not had any further communications with Jay or anyone from Bird 2000 LP.

Stratco Operating Company, Inc.

- 1) Mailed JOA via certified mail dated 8/2/17.
- 2) Certified mail receipt says the package was received on 8/9/17.
- 3) I received an email from Tom Stratton on 8/10/17. He notified me that he had received the proposal and that Stratco would consider an offer to purchase its interest.
- 4) On 8/16/17, I emailed Tom our assignment offer. I did not hear back.
- 5) On 2/21/18, I emailed Tom to inquire about our proposed assignment. I also called him and left a voicemail.
- 6) On 2/22/18, Tom sent me an email instructing me to send over the assignment documents and that he would execute them and return back to me.
- 7) On 2/28/18, I emailed Tom the assignment and offer letter. He did not respond.
- 8) On 3/1/18, I called Tom to discuss the assignment. Left voicemail.
- 9) On 3/14/18, I emailed Tom and inquired about the status of the assignment. He did not respond.
- 10) Mailed the Chicago 9/8 W0IL Fee #1H well proposal letter and AFE via certified mail dated 5/1/18.
- 11) Certified mail receipt says the package was received on 5/4/18.
- 12) On 5/4/18, Tom emailed me notifying me that he had received the AFE.
- On 5/4/18, I emailed Tom notifying him that we had not received his executed Assignment back.
- 14) On 5/8/18, Tom emailed me and asked if I would send another Assignment form.
- 15) On 5/8/18, I emailed Tom the Assignment form and offer.
- On 5/8/18, I received an email from Tom notifying me that the Trustee did not want to reopen the bankruptcy case for such a small interest.
- 17) On 5/8/18, I emailed Tom and inquired about the interest. He did not respond. I have not had any further communications with Tom.

Costilla Energy, Inc.

- 1) Called Cadell Liedtke with Compass Operating, LLC on 1/15/18. Left voicemail.
- 2) Received a call from Cadell on 1/16/18. He confirmed that Compass Operating, LLC did not own the interest.
- 3) Received a Purchase Sale Agreement from Poco Partners, Ltd. on 2/28/18. The agreement only covered the E/2 of Section 8 and did not include their remaining W/2 interest.
- 4) Called Costilla Energy, Inc on 3/1/18. Number had been disconnected.
- 5) Called Justin Hall of WPX Energy on 3/2/18. Left voicemail.

- 6) Mailed the Chicago 9/8 W0IL Fee #1H well proposal letter and AFE via certified mail dated 5/1/18. I sent the proposal to both of the addresses we found on the internet.
- 7) For the first address, the certified mail receipt says the package was received on 5/3/18.
- 8) For the second address, the certified mail was returned as unclaimed on 6/11/18.
- 9) We have been unable to get in contact with Costilla Energy, Inc. or any successor and have never received a response to any of the proposals we have sent out.

Heirs and/or devisees of R. C. Roberts, deceased

- 1) Mailed the Chicago 9/8 W0IL Fee #1H well proposal letter, and AFE via certified mail dated 5/1/18.
- 2) Certified mail receipt says the package was undeliverable as addressed and was returned.
- 3) We have made contact with his heirs, which are listed below.

Estate of Dorothy Holder Roberts, deceased

- 1) Emailed Wesley Keith Roberts on 9/6/17. I inquired about the interest and any contact information for the heirs.
- 2) On 9/11/17, I received an email back from Wesley Keith Roberts. He shared contact information for the heirs.
- 3) Called Wesley Keith Roberts on 3/26/18 (appears to be the son of Dorothy Holder Roberts and R.C. Roberts), we discussed his knowledge of the interest.
- 4) On 3/27/18, I emailed Wesley Keith Roberts. The email contained title information.
- 5) On 3/28/18, I emailed Wesley Keith Roberts. I requested a copy of an instrument.
- 6) On 4/2/18, Wesley Keith Roberts emailed me a copy of the requested instrument.
- 7) Called Wesley Keith Roberts on 4/6/18. No answer. Left voicemail requesting him to call me back.
- 8) Called Wesley Keith Roberts on 4/9/18. No answer. Left voicemail requesting him to call me back.
- 9) Called Wesley Keith Roberts on 4/25/18. No answer. Left voicemail requesting him to call me back.
- 10) Called Karen Roberts on 4/30/18 (appears to be the daughter of Dorothy Holder Roberts and R.C. Roberts). Called multiple numbers I had found from an internet search but all the numbers had been disconnected.
- Called Darrel Holder Roberts on 4/30/18 (appears to be the son of Dorothy Holder Roberts and R.C. Roberts). Called multiple numbers I had found from an internet search but all the numbers had been disconnected.
- 12) Called Carissa Brown on 4/30/18 (appears to be the trustee for the Karen Roberts Special Needs Trust). Called multiple numbers I had found from an internet search but all the numbers had been disconnected.
- Received an email from Wesley Keith Roberts on 4/30/18. The email contained probate information. I responded that day with a question regarding his participation.
- Mailed the Chicago 9/8 W0IL Fee #1H well proposal letter and AFE via certified mail dated 5/1/18.
- 15) Certified mail receipt says the package was received on 5/9/18.

- On 5/2/18, I received a call from Darrell Holder Roberts. We discussed the interest and he requested that I send him another copy of the AFE's via email.
- 17) On 5/2/18, I emailed Darrell Holder Roberts the AFE's and also discussed our development plans.
- 18) Called Wesley Keith Roberts on 5/3/18. No answer. Left voicemail.
- 19) Called Wesley Keith Roberts on 5/8/18. No answer. Left voicemail.

Wesley Keith Roberts

- 7) Emailed Wesley Keith Roberts on 9/6/17. I inquired about the interest and any contact information for the heirs.
- 8) On 9/11/17, I received an email back from Wesley Keith Roberts. He shared contact information for the heirs.
- 9) Called Wesley Keith Roberts on 3/26/18 (appears to be the son of Dorothy Holder Roberts and R.C. Roberts), we discussed his knowledge of the interest.
- 10) On 3/27/18, I emailed Wesley Keith Roberts. The email contained title information.
- 11) On 3/28/18, I emailed Wesley Keith Roberts. I requested a copy of an instrument.
- 12) On 4/2/18, Wesley Keith Roberts emailed me a copy of the requested instrument.
- 13) Called Wesley Keith Roberts on 4/6/18. No answer. Left voicemail requesting him to call me back.
- 14) Called Wesley Keith Roberts on 4/9/18. No answer. Left voicemail requesting him to call me back.
- 15) Called Wesley Keith Roberts on 4/25/18. No answer. Left voicemail requesting him to call me back.
- 16) Mailed the Chicago 9/8 W0IL Fee #1H well proposal letter and AFE via certified mail dated 5/1/18.
- 17) Certified mail receipt says the package was received on 5/9/18.
- 18) Called Wesley Keith Roberts on 5/3/18. No answer. Left voicemail.
- 19) Called Wesley Keith Roberts on 5/8/18. No answer. Left voicemail.
- 20) On 5/8/18, I emailed Wesley Keith Roberts. I requested that he send in his signed AFE's if he wished to participate.

The Karen Roberts Special Needs Trust

- 1) Called Karen Roberts on 4/30/18 (appears to be the daughter of Dorothy Holder Roberts and R.C. Roberts). Called multiple numbers I had found from an internet search but all the numbers had been disconnected.
- 2) Called Carissa Brown on 4/30/18 (appears to be the trustee for the Karen Roberts Special Needs Trust). Called multiple numbers I had found from an internet search but all the numbers had been disconnected.
- Mailed the Chicago 9/8 W0IL Fee #1H well proposal letter and AFE via certified mail dated 5/1/18.
 - Certified mail receipt says the package was received on 5/8/18.
 - On 5/8/18, I received a call from Carissa Brown, Trustee of the Karen Roberts Special Needs Trust. She informed me that the Trust did not want to participate and was not interested in working with Mewbourne Oil Company.

The Malaga Cemetery Association

- 1) On 6/22/18, I called Loving New Mexico Village Hall to inquire if they had any contact information for The Malaga Cemetery Association. They said they had not heard of the entity and could not assist me in contacting them.
- 2) On 6/22/18, I called the Malaga City Office. They did not answer and did not have a voicemail set up.
- 3) We have been unable to locate contact information for The Malaga Cemetery Association or anybody with information regarding their interest.

Successors and assigns of H.F. Grooms, Pearl Grooms, Ruth Ann Farrer, James Franklin Farrer, Betty Jo Farrer and William A. Behymer

- 1) On 3/1/18, I called various individuals after an extensive internet search of potential relatives or assigns. I was unsuccessful in contacting anybody that had information regarding the interest.
- 2) We have been unable to locate contact information for the successors and assigns of H.F. Grooms, Pearl Grooms, Ruth Ann Farrer, James Franklin Farrer, Betty Jo Farrer and William A. Behymer or anybody with information regarding their interest.

Successors and assigns of Emily L. Asmus and Almata C. Asmus

- 1) On 3/1/18, I called various individuals after an extensive internet search of potential relatives or assigns. I was unsuccessful in contacting anybody that had information regarding the interest.
- 2) We have been unable to locate contact information for the successors and assigns of Emily L. Asmus and Almata C. Asmus.

FASKEN CENTER 500 WEST TEXAS, SUITE 1020 MIDLAND, TX 79701

TELEPHONE (432) 682-3715 FACSIMILE (432) 685-4170

May 1, 2018

Via Certified Mail

Quaestor Corporation 2243 Valwood Parkway Farmers Branch, TX 75234

Re: Chicago 9/8 WOIL Fee #1H

2300' FNL & 330' FEL (SL: Section 9) 2200' FNL & 330' FWL (BHL: Section 8)

Section 9/8, T24S, R28E Eddy County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company as Operator hereby proposes to drill the captioned well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,482 feet subsurface to evaluate the Wolfcamp Formation. The proposed well will have a measured depth (MD) of approximately 19,520 feet. The S/2 of the captioned Section 9 and the S/2 of the captioned Section 8 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling is our AFE dated April 20, 2018 for the captioned proposed well. In the event that you elect to participate in the proposed well, please execute the enclosed AFE and return to me within thirty (30) days. Our Joint Operating Agreement to follow should you elect to participate.

Should you have any questions regarding the above, please email me at cmccurdy@mewbourne.com or call me at (432) 682-3715.

Sincerely,

MEWBOURNE OIL COMPANY

Cole McCurdy

Petroleum Landman

AUTHORIZATION FOR EXPENDITURE

Academic Personal Company Compan	ec. 9 Blk: Survey: TWP: 24S	ounty: Eddy	,		
ac. 9 Bitc Survey: TWP: 243 RN6; 28E Prop. TVP: 2492 TMD: 1820 TMD: 1820 guidatory Permits & Surveys carbon, Floor 5100 COC TCP CODE CC COC COC COC COC COC COC COC COC COC	ec. 9 Blk: Survey: TWP: 24S				ST: NM
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1990 1990					\$220,000
		0180-0125	\$95,000	0180-0225	\$30,000
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Immulation		0180-0137	\$30,000		
Interest Combor				0180-0241	\$3,625,000
185	imulation Rentals & Other			0180-0242	\$200,000
Spection Repeals Services 180-0150 \$40,000 018-0265 \$5,00 180-0254 \$15,000 180-0254 \$15,000 018-0255 \$30,00 0180-0255 \$30,00 0	ater & Other	0180-0145			\$770,000
Idea	s	0180-0148	\$90,000	0180-0248	\$8,000
Description	spection & Repair Services	0180-0150	\$40,000		\$5,000
Original Properties	sc. Air & Pumping Services	0180-0154		0180-0254	\$10,000
g Mobilization 0180-0180 \$120,000 sansportation 0180-0180 \$20,000 cansportation 0180-0180 \$20,000 cansportation 0180-0188 \$5,000 cansportation \$48,500 c		0180-0158	\$15,000	0180-0258	\$30,000
Company Supervision	ompletion / Workover Rig			0180-0260	\$10,500
Felding Services	g Mobilization	0180-0164			
Services & Supervision	ansportation	0180-0165			\$20,000
Services & Supervision					
Includes Includes Vertical Control 0180-0178 \$273,000 330,0 230,	ontract Services & Supervision				\$42,00
Quipment Rental					
Vell / Lease Legal					
Integration Company	/ell / Lease Legal	0180-0184			
amages	/ell / Lease Insurance	0180-0185			
Images	tangible Supplies	0180-0188	\$8,000		
OWA & Easements O180-0192 O180-0292 \$1.00		0180-0190		0180-0290	
State Stat		0180-0192		0180-0292	
Section State St	ipeline Interconnect			0180-0293	\$100,00
180-0198 \$10,000 0180-0298 \$20,000 0180-0298 \$20,000 0180-0298 \$20,000 0180-0298 \$20,000 0180-0299 \$650,7 \$20,000 0180-0299 \$650,7 \$20,000 \$2,000 \$		0180-0195	\$158,400	0180-0295	\$134,40
Veli Abandonment		0180-0196	\$10,000	0180-0296	\$20,00
TOTAL TANGIBLE COSTS 0181 Casing (19.1" - 30") Tanging (19.1" - 30") Tanging (19.1" - 130") Tanging (19.1" - 130") Tanging (19.1" - 130") Tanging (19.1" - 19.0") Tanging (19.1" - 19.0") Tanging (19.1" - 10.0") T		0180-0198		0180-0298	3
TANGIBLE COSTS 0181 TANGIBLE COSTS 0181 Casing (19.1" - 30") Casing (10.1" - 19.0") 175' - 13 3/8" 54.5# J-55 ST&C @ \$35.90/ft		0400 0400	\$257 300	0180-0299	\$650,70
TANGIBLE COSTS 0181 Casing (19.1" - 30") 175" - 13 3/8" 54.5# J-55 ST8C @ \$35.90/ft 0181-0794 \$6,800 Casing (8.1" - 10.0") 2450" - 9 5/8" 40# N-80 LT&C @ \$27.61/ft 0181-0795 \$72,300 Casing (8.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft 0181-0796 \$289,700 Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft 0181-0796 \$289,700 Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Casing (9.1" - 10.0") 2750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Casing (9.1" - 9.0") 9750' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Casing (9.1" - 9.0") 9750' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Casing (9.1" - 9.0") 9750' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Casing (9.1" - 9.0") 9750' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Casing (9.1" - 9.0") 9750' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Casing (9.1" - 9.0") 9750' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Casing (9.1" - 9.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (9.1" - 9.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (9.1" - 9.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (9.1" - 9.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (9.1" - 9.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (9.1" - 9.0") 9770' - 7" 29# P-110 LT&C @ \$2.776/ft Casing (9.1" - 9.0") 9770' - 7" 29# P-110 LT&C @ \$2.776/ft Casing (9.1" - 9.0") 9770' - 7" 29# P-110 LT&C @ \$2.776/ft Casing (9.1" - 9.0") 9770' - 7" 29# P-110 LT&C @ \$2.97.76/ft Casing (9.1" - 9.0") 9770' - 7" 29# P-110 LT&C @ \$2.97.76/ft Casing (9.1" - 9.0") 9770' - 7" 29# P-110 LT&C @ \$2.97.76/ft Casing (9.1" - 9.0") 9770' - 7" 29# P-110 LT&C @ \$2.77.6/ft Casing (9.1" - 9.0") 9770' - 7" 29# P-110 LT&C @ \$2.97.76/ft Casing (9.1" - 9.0") 9770' 97" 29# P-110 LT&C @ \$2.97.76/ft Casing (9.1" - 9.0") 9770' 97" 29# P-110 LT&C @ \$2.97.76/ft Casing (9.1" - 9.0") 9770' 97" 29# P-110 LT&C @ \$2.97.76/ft Casing (9.1" - 9.0") 9770' 978' 978' 978' 978' 978' 978' 978' 978	ontingencies 10% (TCP) 10% (CC)	0180-0199	Ψ207,000		
Heater Treaters, Line Heaters	TOTAL TANGIBLE COSTS 0181 Casing (19.1" - 30") Casing (10.1" - 19.0") 175' - 13 3/8" 54.5# J-55 ST&C @ \$35.90/ft Casing (8.1" - 10.0") 2450' - 9 5/8" 40# N-80 LT&C @ \$27.61/ft	0181-0793 0181-0794 0181-0795	\$2,830,200 \$6,800 \$72,300		\$7,157,30
Metering Equipment 0181-0898 \$14, Line Pipe & Valves - Gathering 0181-0900 Fittings / Valves & Accessories 0181-0906 \$60, Cathodic Protection 0181-0908 \$8 Electrical Installation 0181-0909 \$50, Equipment Installation 0181-0910 \$50, Pipeline Construction 0181-0920 \$722	TANGIBLE COSTS 0181 Casing (19.1" - 30") Casing (10.1" - 19.0") 175' - 13 3/8" 54.5# J-55 ST&C @ \$35.90/ft Casing (8.1" - 10.0") 2450' - 9 5/8" 40# N-80 LT&C @ \$27.61/ft Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Orilling Head Fubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Sucker Rods Subsurface Equipment Artificial Lift Systems Gas Lift Valves Pumping Unit Surface Pumps & Prime Movers 1/2 VRU/SWD Pump/Circ Pump Tanks - Oil 3 - 750 bbl Tanks - Water 3 - 750 bbl	0181-0793 0181-0794 0181-0796 0181-0796	\$2,830,200 \$6,800 \$72,300 \$289,700	0181-079 0181-079 0181-087 0181-087 0181-088 0181-088 0181-088 0181-088 0181-088	3 \$45,60 0 \$50,00 1 \$70,00 5 0 \$15,00 5 6 \$35,00 0 \$55,00 1 \$60,00
Line Pipe & Valves - Gathering 0181-0900 Fittings / Valves & Accessories 0181-0906 \$60 Cathodic Protection 0181-0908 \$8 Electrical Installation 0181-0909 \$50 Equipment Installation 0181-0910 \$50 Pipeline Construction 0181-0920 \$722	TANGIBLE COSTS 0181 Casing (19.1" - 30") Casing (10.1" - 19.0") 175' - 13 3/8" 54.5# J-55 ST&C @ \$35.90/ft Casing (8.1" - 10.0") 2450' - 9 5/8" 40# N-80 LT&C @ \$27.61/ft Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Orilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Sucker Rods Subsurface Equipment Artificial Lift Systems Gas Lift Valves Pumping Unit Surface Pumps & Prime Movers 1/2 VRU/SWD Pump/Circ Pump Tanks - Oil 3 - 750 bbl Tanks - Water 3 - 750 bbl Separation / Treating Equipment 30"x10'x1k# 3 ph/36"x15'x1k# Hor 3ph/Gun bbl	0181-0793 0181-0794 0181-0796 0181-0796	\$2,830,200 \$6,800 \$72,300 \$289,700	0181-079 0181-079 0181-087 0181-087 0181-088 0181-088 0181-088 0181-088 0181-089 0181-089	\$142,30 \$3 \$45,60 \$50,00 \$1 \$70,00 \$5 00 4 \$15,00 5 6 \$35,0 0 \$55,0 1 \$60,0 5 \$45,0
Fittings / Valves & Accessories 0181-0906 \$60 Cathodic Protection 0181-0908 \$8 Electrical Installation 0181-0909 \$50 Equipment Installation 0181-0910 \$50 Pipeline Construction 0181-0920 \$722	TANGIBLE COSTS 0181 Casing (19.1" - 30") Casing (10.1" - 19.0") 175' - 13 3/8" 54.5# J-55 ST&C @ \$35.90/ft Casing (8.1" - 10.0") 2450' - 9 5/8" 40# N-80 LT&C @ \$27.61/ft Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Orilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Sucker Rods Subsurface Equipment Artificial Lift Systems Gas Lift Valves Pumping Unit Surface Pumps & Prime Movers 1/2 VRU/SWD Pump/Circ Pump Tanks - Oil 3 - 750 bbl Tanks - Water 3 - 750 bbl Separation / Treating Equipment Heater Treaters, Line Heaters 8'x20'x75# HT	0181-0793 0181-0794 0181-0796 0181-0796	\$2,830,200 \$6,800 \$72,300 \$289,700	0181-089 0181-089 0181-089 0181-088 0181-088 0181-088 0181-088 0181-089 0181-089 0181-089	7 \$142,30 8 \$45,60 0 \$50,00 1 \$70,00 5 0 4 \$15,00 6 \$35,0 0 \$55,0 1 \$60,0 5 \$45,0 7 \$23,0
Cathodic Protection 0181-0908 \$8 Electrical Installation 0181-0909 \$50 Equipment Installation 0181-0910 \$50 Pipeline Construction 0181-0920 \$722	TANGIBLE COSTS 0181 Casing (19.1" - 30") Casing (10.1" - 19.0") 175' - 13 3/8" 54.5# J-55 ST&C @ \$35.90/ft Casing (8.1" - 10.0") 2450' - 9 5/8" 40# N-80 LT&C @ \$27.61/ft Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Orilling Head Tubing Head Tubing Head Tubing Head Completion Tools Completion Liner Hanger Sucker Rods Subsurface Equipment Artificial Lift Systems Gas Lift Valves Pumping Unit Surface Pumps & Prime Movers 1/2 VRU/SWD Pump/Circ Pump Tanks - Oil 3 - 750 bbl Tanks - Water 3 - 750 bbl Separation / Treating Equipment Heater Treaters, Line Heaters Metering Equipment Metering Equipment	0181-0793 0181-0794 0181-0796 0181-0796	\$2,830,200 \$6,800 \$72,300 \$289,700	0181-088 0181-089 0181-089 0181-088 0181-088 0181-088 0181-088 0181-089 0181-089 0181-089	7 \$142,30 8 \$45,60 0 \$50,00 1 \$70,00 5 0 4 \$15,0 6 \$35,0 0 \$55,0 1 \$60,0 5 \$45,0 7 \$23,0 8 \$14,0
Electrical Installation 0181-0909 \$50 Equipment Installation 0181-0910 \$50 Pipeline Construction 0181-0920 \$722	TANGIBLE COSTS 0181 Casing (19.1" - 30") Casing (10.1" - 19.0") 175' - 13 3/8" 54.5# J-55 ST&C @ \$35.90/ft Casing (8.1" - 10.0") 2450' - 9 5/8" 40# N-80 LT&C @ \$27.61/ft Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Orilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Sucker Rods Subsurface Equipment Artificial Lift Systems Gas Lift Valves Pumping Unit Surface Pumps & Prime Movers 1/2 VRU/SWD Pump/Circ Pump Tanks - Oil 3 - 750 bbl Tanks - Water 3 - 750 bbl Separation / Treating Equipment Heater Treaters, Line Heaters 8'x20'x75# HT Metering Equipment Line Pipe & Valves - Gathering	0181-0793 0181-0794 0181-0796 0181-0796	\$2,830,200 \$6,800 \$72,300 \$289,700	0181-088 0181-089 0181-089 0181-088 0181-088 0181-088 0181-088 0181-089 0181-089 0181-089	7 \$142,30 8 \$45,60 0 \$50,00 1 \$70,00 5 0 4 \$15,00 6 \$35,0 0 \$55,0 1 \$60,0 5 \$45,0 7 \$23,0 8 \$14,0
Equipment Installation 0181-0910 \$50 Pipeline Construction TOTAL \$408,800 \$722	TANGIBLE COSTS 0181 TANGIBLE COSTS 0181 Casing (19.1" - 30") Casing (10.1" - 19.0") 175' - 13 3/8" 54.5# J-55 ST&C @ \$35.90/ft Casing (8.1" - 10.0") 2450' - 9 5/8" 40# N-80 LT&C @ \$27.61/ft Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Orilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Sucker Rods Subsurface Equipment Artificial Lift Systems Gas Lift Valves Pumping Unit Surface Pumps & Prime Movers 1/2 VRU/SWD Pump/Circ Pump Tanks - Oil 3 - 750 bbl Tanks - Water 3 - 750 bbl Separation / Treating Equipment Heater Treaters, Line Heaters 8'x20'x75# HT Metering Equipment Line Pipe & Valves & Accessories	0181-0793 0181-0794 0181-0796 0181-0796	\$2,830,200 \$6,800 \$72,300 \$289,700	0181-088 0181-089 0181-089 0181-088 0181-088 0181-088 0181-088 0181-089 0181-089 0181-089 0181-089 0181-089	7 \$142,30 8 \$45,60 0 \$50,00 1 \$70,00 5 0 0 \$15,00 6 \$35,0 0 \$55,0 1 \$60,0 5 \$45,0 7 \$23,0 8 \$14,0 10 \$14,0 10 \$60,0
Pipeline Construction 0181-0920 TOTAL \$408,800 \$722	TANGIBLE COSTS 0181 Casing (19.1" - 30") Casing (10.1" - 19.0") 175' - 13 3/8" 54.5# J-55 ST&C @ \$35.90/ft Casing (8.1" - 10.0") 2450' - 9 5/8" 40# N-80 LT&C @ \$27.61/ft Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Cubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Cubing Head Cubing Head Cubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Sucker Rods Subsurface Equipment Artificial Lift Systems Cas Lift Valves Pumping Unit Surface Pumps & Prime Movers Tanks - Oil 3 - 750 bbl Tanks - Water 3 - 750 bbl Separation / Treating Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe & Valves - Gathering Fittings / Valves & Accessories Cathodic Protection	0181-0793 0181-0794 0181-0796 0181-0796	\$2,830,200 \$6,800 \$72,300 \$289,700	0181-089 0181-089 0181-089 0181-089 0181-088 0181-088 0181-089 0181-089 0181-089 0181-089 0181-090 0181-090	7 \$142,30 8 \$45,60 0 \$50,00 1 \$70,00 5 0 0 \$15,0 6 \$35,0 0 \$55,0 1 \$60,0 5 \$45,0 7 \$23,0 8 \$14,0 0 \$60,0 8
TOTAL \$408,800 \$722	TANGIBLE COSTS 0181 Casing (19.1" - 30") Casing (10.1" - 19.0") 175' - 13 3/8" 54.5# J-55 ST&C @ \$35.90/ft Casing (8.1" - 10.0") 2450' - 9 5/8" 40# N-80 LT&C @ \$27.61/ft Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Orilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Sucker Rods Subsurface Equipment Artificial Lift Systems Cas Lift Valves Pumping Unit Surface Pumps & Prime Movers 1/2 VRU/SWD Pump/Circ Pump Tanks - Oil 3 - 750 bbl Tanks - Water 3 - 750 bbl Separation / Treating Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe & Valves - Gathering Fittings / Valves & Accessories Cathodic Protection Electrical Installation	0181-0793 0181-0794 0181-0796 0181-0796	\$2,830,200 \$6,800 \$72,300 \$289,700	0181-089 0181-089 0181-089 0181-089 0181-089 0181-089 0181-089 0181-089 0181-089 0181-090 0181-090 0181-090	7 \$142,30 8 \$45,60 0 \$50,00 1 \$70,00 5 0 0 \$15,00 6 \$35,0 0 \$55,0 1 \$60,0 5 \$45,0 7 \$23,0 8 \$14,0 0 \$60,0 0 \$60,0 0 \$60,0 0 \$50,0
	TANGIBLE COSTS 0181 Casing (19.1" - 30") Casing (10.1" - 19.0") 175' - 13 3/8" 54.5# J-55 ST&C @ \$35.90/ft Casing (8.1" - 10.0") 2450' - 9 5/8" 40# N-80 LT&C @ \$27.61/ft Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Orilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Sucker Rods Subsurface Equipment Artificial Lift Systems Gas Lift Valves Pumping Unit Surface Pumps & Prime Movers 1/2 VRU/SWD Pump/Circ Pump Tanks - Oil 3 - 750 bbl Tanks - Water 3 - 750 bbl Separation / Treating Equipment Heater Treaters, Line Heaters 8'x20'x75# HT Metering Equipment Line Pipe & Valves - Gathering Frittings / Valves & Accessories Cathodic Protection Electrical Installation	0181-0793 0181-0794 0181-0796 0181-0796	\$2,830,200 \$6,800 \$72,300 \$289,700	0181-089 0181-089 0181-089 0181-089 0181-089 0181-089 0181-089 0181-089 0181-089 0181-090 0181-090 0181-090 0181-090	7 \$142,30 8 \$45,60 0 \$50,00 1 \$70,00 5 0 0 \$15,00 6 \$35,0 0 \$55,0 1 \$60,0 5 \$45,0 7 \$23,0 8 \$14,0 0 \$60,0 0 \$60,0 0 \$55,0 1 \$60,0 0 \$55,0 0 \$55,0 0 \$55,0 1 \$60,0 0 \$55,0 0
CLIDTOTAL	TANGIBLE COSTS 0181 Casing (19.1" - 30") Casing (10.1" - 19.0") 175' - 13 3/8" 54.5# J-55 ST&C @ \$35.90/ft Casing (8.1" - 10.0") 2450' - 9 5/8" 40# N-80 LT&C @ \$27.61/ft Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Orilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Sucker Rods Subsurface Equipment Artificial Lift Systems Gas Lift Valves Pumping Unit Surface Pumps & Prime Movers 1/2 VRU/SWD Pump/Circ Pump Tanks - Oil 3 - 750 bbl Tanks - Water 3 - 750 bbl Separation / Treating Equipment Heater Treaters, Line Heaters 8'x20'x75# HT Metering Equipment Line Pipe & Valves & Accessories Cathodic Protection Electrical Installation Pipeline Construction	0181-0793 0181-0794 0181-0796 0181-0796	\$2,830,200 \$6,800 \$72,300 \$289,700 \$40,000	0181-089 0181-089 0181-088 0181-088 0181-088 0181-088 0181-088 0181-088 0181-089 0181-089 0181-099 0181-099 0181-099 0181-099 0181-099 0181-099	7 \$142,30 3 \$45,60 0 \$50,00 1 \$70,00 5 0 \$15,00 6 \$35,0 0 \$55,0 1 \$60,0 5 \$45,0 7 \$23,0 8 \$14,0 0 \$60,0 0 \$50,0 0 \$
\$0B101AL \$3,238,000 \$7,000	TANGIBLE COSTS 0181 Casing (19.1" - 30") Casing (10.1" - 19.0")	0181-0793 0181-0794 0181-0796 0181-0796	\$2,830,200 \$6,800 \$72,300 \$289,700 \$40,000	0181-089 0181-099 0181-089 0181-089 0181-089 0181-089 0181-089 0181-089 0181-090 0181-090 0181-090 0181-090 0181-090	7 \$142,30 8 \$45,60 0 \$50,00 1 \$70,00 5 0 0 \$15,00 6 \$35,0 0 \$55,0 1 \$60,0 5 \$45,0 7 \$23,0 8 \$14,0 0 \$60,0 0 \$50,0 0
TOTAL WELL COST \$11,119,200	TANGIBLE COSTS 0181 TANGIBLE COSTS 0181 Tasing (19.1" - 30") Tasing (10.1" - 19.0") 175' - 13 3/8" 54.5# J-55 ST&C @ \$35.90/ft Tasing (8.1" - 10.0") 2450' - 9 5/8" 40# N-80 LT&C @ \$27.61/ft Tasing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Tasing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Tubing Head Tubing Head Tubing Head Tubing Head Tubing Head & Upper Section Torizontal Completion Tools Tompletion Liner Hanger Total Lift Systems Total Completion Liner Hanger Total Completion Liner Hanger	0181-0793 0181-0794 0181-0796 0181-0796	\$2,830,200 \$6,800 \$72,300 \$289,700 \$40,000	0181-089 0181-099 0181-089 0181-089 0181-089 0181-089 0181-089 0181-089 0181-090 0181-090 0181-090 0181-090 0181-090	7 \$142,3(3 \$45,6(0 \$50,0(1 \$70,0(5 0 0 \$15,0 0 \$55,0 1 \$60,0 5 \$45,0 7 \$23,0 8 \$14,0 10 \$60,0 10 \$50,0 10 \$50,0
	TANGIBLE COSTS 0181 Casing (19.1" - 30") Casing (10.1" - 19.0") 175' - 13 3/8" 54.5# J-55 ST&C @ \$35.90/ft Casing (8.1" - 10.0") 2450' - 9 5/8" 40# N-80 LT&C @ \$27.61/ft Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Orilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Sucker Rods Subsurface Equipment Artificial Lift Systems Cas Lift Valves Pumping Unit Surface Pumps & Prime Movers 1/2 VRU/SWD Pump/Circ Pump Tanks - Oil 3 - 750 bbl Tanks - Water 3 - 750 bbl Separation / Treating Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe & Valves - Gathering Fittings / Valves & Accessories Cathodic Protection Electrical Installation	0181-0793 0181-0794 0181-0796 0181-0796	\$2,830,200 \$6,800 \$72,300 \$289,700	0181-089 0181-089 0181-089 0181-089 0181-089 0181-089 0181-089 0181-089 0181-089 0181-090 0181-090 0181-090	7 \$142,3 8 \$45,6 0 \$50,0 1 \$70,0 5 0 \$15,0 6 \$35,0 0 \$55,0 1 \$60,0 5 \$45,0 7 \$23,0 8 \$14,0 0 \$60,0 8 \$8,0 9 \$50,0
	TANGIBLE COSTS 0181 Casing (19.1" - 30") Casing (10.1" - 19.0") 175' - 13 3/8" 54.5# J-55 ST&C @ \$35.90/ft Casing (8.1" - 10.0") 2450' - 9 5/8" 40# N-80 LT&C @ \$27.61/ft Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Orilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Sucker Rods Subsurface Equipment Artificial Lift Systems Gas Lift Valves Pumping Unit Surface Pumps & Prime Movers 1/2 VRU/SWD Pump/Circ Pump Tanks - Oil 3 - 750 bbl Tanks - Water 3 - 750 bbl Separation / Treating Equipment Heater Treaters, Line Heaters 8'x20'x75# HT Metering Equipment Line Pipe & Valves & Accessories Cathodic Protection Electrical Installation Pipeline Construction	0181-0793 0181-0794 0181-0796 0181-0796	\$2,830,200 \$6,800 \$72,300 \$289,700 \$40,000	0181-089 0181-089 0181-088 0181-088 0181-088 0181-088 0181-088 0181-088 0181-089 0181-089 0181-099 0181-099 0181-099 0181-099 0181-099 0181-099	7 \$142,3 8 \$45,6 0 \$50,0 1 \$70,0 5 0 \$15,0 6 \$35,0 0 \$55,1 1 \$60,0 5 \$45,7 7 \$23,1 814,00 10 \$60,0 10 \$50,0 10 \$50,0
	TANGIBLE COSTS 0181 TANGIBLE COSTS 0181 Tasing (19.1" - 30") Tasing (10.1" - 19.0") 175' - 13 3/8" 54.5# J-55 ST&C @ \$35.90/ft Tasing (8.1" - 10.0") 2450' - 9 5/8" 40# N-80 LT&C @ \$27.61/ft Tasing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Tasing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Tubing Head Tubing Head Tubing Head & Upper Section Torizontal Completion Tools Torizontal Completion Tools Torizontal Completion Tools Tanks - Rods Tanks - Coll 3 - 750 bbl Tanks - Water 3 - 750 bbl Tanks - Water 3 - 750 bbl Tanks - Water 3 - 750 bbl Tanks - Treating Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe & Valves - Gathering Fittings / Valves & Accessories Cathodic Protection Electrical Installation Equipment Installation Equipment Installation Equipment Installation Equipment Installation Equipment Installation Equipment Installation	0181-0793 0181-0794 0181-0796 0181-0796	\$2,830,200 \$6,800 \$72,300 \$289,700 \$40,000	0181-089 0181-099 0181-089 0181-089 0181-089 0181-089 0181-089 0181-089 0181-090 0181-090 0181-090 0181-090 0181-090	7 \$142,3 8 \$45,6 0 \$50,0 1 \$70,0 5 0 \$15,0 6 \$35,0 0 \$55,0 1 \$60,0 5 \$45,0 7 \$23,0 8 \$14,0 0 \$60,0 8 \$35,0 9 \$50,0 1 \$50,0 1 \$60,0 1 \$60,0 1 \$50,0 1 \$60,0 1 \$50,0 1 \$60,0 1 \$60,0 1 \$50,0 1 \$50,0 1 \$60,0 1 \$60,0 1 \$50,0 1 \$50,0 1 \$60,0 1 \$50,0 1 \$50,0 1 \$60,0 1 \$50,0 1 \$50,0

Print	Selected Signal	ures
ast Status	Options	Selected

	Group	Originator	Recipient	USPS Item Number	Created	Advance Mail Date	Last Status	Options	Selected
<u>Details</u>	MIDLAND OFFICE	Alejandra Kirksey	Quaestor Corporation	9414810699945031155488 Ref #: Chicago 9/8 PM CM	5/2/2018	Accepted (5/2/2018 5:40:00 PM)	5/6/2018 In Transit to Next Facility		

Print Selected Signatures

Tracking Search Details

Status: In Transit

Event Type	Date	Location
In Transit to Next Facility	May 6, 2018	,
In Transit to Next Facility	May 5, 2018	,
In Transit to Next Facility	May 4, 2018	,
Departed USPS Regional Destination Facility	May 3, 2018 9:42 pm	DALLAS TX DISTRIBUTION CENTER,
Arrived at USPS Regional Destination Facility	May 3, 2018 2:48 pm	DALLAS TX DISTRIBUTION CENTER,
In Transit to Next Facility	May 3, 2018	,
Departed USPS Regional Facility	May 2, 2018 11:48 pm	MIDLAND TX DISTRIBUTION CENTER,
Arrived at USPS Regional Origin Facility	May 2, 2018 10:08 pm	MIDLAND TX DISTRIBUTION CENTER,
USPS picked up item	May 2, 2018 5:40 pm	MIDLAND, TX 79705
Shipping Label Created, USPS Awaiting Item	May 2, 2018 1:57 pm	MIDLAND, TX 79701
Print Delivery Information:	Click Here	
Print Proof Of Acceptance:	Click Here	
Print Delivery Document:	Click Here	

FASKEN CENTER 500 WEST TEXAS, SUITE 1020 MIDLAND, TX 79701

TELEPHONE (432) 682-3715 FACSIMILE (432) 685-4170

August 2, 2017

Via Certified Mail

Quaestor Corporation 1039 N. Interstate 35E, Ste 1031 Carrollton, TX 75006

Re: Chicago 9/8 W0HE Fee Com #1H
2250' FNL & 330' FEL (SL: Section 9)
2200' FNL & 330' FWL (BHL: Section 8)
Section 9/8, T24S, R28E
Eddy County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 1,280.00 acre Working Interest Unit ("WIU") covering all of the captioned Section 9 and all of the captioned Section 8, limited to the Wolfcamp Formation, for oil and gas production. The targeted interval for the proposed unit is the Wolfcamp formation.

Mewbourne as Operator hereby proposes to drill the captioned well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,474 feet subsurface to evaluate the Wolfcamp Formation. The proposed well will have a measured depth (MD) of approximately 19,191 feet. The N/2 of the captioned Section 9 and the N/2 of the captioned Section 8 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling is our AFE dated June 21, 2017 for the captioned proposed well. Also, enclosed is a copy of our proposed Operating Agreement dated July 1, 2017 and an extra set of signature pages. In the event your firm elects to participate in the proposed well, please execute the enclosed AFE and extra set of signature pages and return to me within thirty (30) days.

Should you have any questions regarding the above, please email me at cmccurdy@mewbourne.com or call me at (432) 682-3715.

Sincerely,

MEWBOURNE OIL COMPANY

Cole McCurdy Petroleum Landman

ATTEMPTED THE TANKER T or or or

0006

C001

CID: 56133 CommercialBasePrice

PRIORITY MAIL 2-DAY

US POSTAGE AND FEES PAID 071S00534813

PRIORITY MAIL
Aug 07 2017
Aug 07 2017
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USPS CERTIFIED MAIL

Mew5ourne Oil Company Cole McCurdy 500 W TEXAS AVE STE 1020 MIDLAND TX 79701-4279

NT-20029005L

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LT/TZ/60

SHIP TO:
QUAESTOR CORPORATION

1039 N INTERSTATE 35E STE CARROLLTON TX 75006-3896

1031

FASKEN CENTER 500 WEST TEXAS, SUITE 1020 MIDLAND, TX 79701

TELEPHONE (432).682-3715 FACSIMILE (432) 685-4170

May 1, 2018

<u>Via Certified Mail</u>

Bird 2000 Limited Partnership P.O. Box 164009 Fort Worth, Texas 76161

Re: Chicago 9/8 WOIL Fee #1H

2300' FNL & 330' FEL (SL: Section 9) 2200' FNL & 330' FWL (BHL: Section 8)

Section 9/8, T24S, R28E Eddy County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company as Operator hereby proposes to drill the captioned well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,482 feet subsurface to evaluate the Wolfcamp Formation. The proposed well will have a measured depth (MD) of approximately 19,520 feet. The S/2 of the captioned Section 9 and the S/2 of the captioned Section 8 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling is our AFE dated April 20, 2018 for the captioned proposed well. In the event that you elect to participate in the proposed well, please execute the enclosed AFE and return to me within thirty (30) days. Joint Operating Agreement previously provided.

Should you have any questions regarding the above, please email me at cmccurdy@mewbourne.com or call me at (432) 682-3715.

Sincerely,

MEWBOURNE OIL COMPANY

Cole McCurdy

Petroleum Landman

AUTHORIZATION FOR EXPENDITURE

Well Name: Chicago 9/8 W0IL Fee #1H	pect: Wol	fcamp		
Location: SL: 2300' FNL & 330' FEL (9); BHL: 2200' FSL & 330' FWL (8)	ounty: Edd	v		ST: NM
	¬ - —		0.400	
Sec. 9 Blk: Survey: TWP: 248] RNG: Z	BE Prop. TVD	9482	TMD: 19520
INTANGIBLE COSTS 0180	CODE	TCP	CODE	CC
Regulatory Permits & Surveys	0180-0100		0180-0200	
Location / Road / Site / Preparation	0180-0105	\$60,000	0180-0205	\$25,000
Location / Restoration	0180-0106	\$200,000	0180-0206	\$30,000
Daywork / Turnkey / Footage Drilling 30 days drlg / 4 days comp @ \$21,000/d	0180-0110		0180-0210	\$89,700
Fuel 1500 gal/day @ 2.63/gal	0180-0114		0180-0214	\$520,000
Mud, Chemical & Additives	0180-0120		0180-0220	4020,000
Horizontal Drillout Services			0180-0222	\$220,000
Cementing	0180-0125	\$95,000	0180-0225	\$30,000
Logging & Wireline Services	0180-0130		0180-0230	\$480,000
Casing / Tubing / Snubbing Service	0180-0134	\$20,000	0180-0234	\$90,000
Mud Logging	0180-0137	\$30,000		
Stimulation 61 Stg 24.9 MM gal / 24.9 MM lb			0180-0241	\$3,625,000
Stimulation Rentals & Other			0180-0242	\$200,000
Nater & Other	0180-0145	\$50,000	0180-0245	\$770,000
Bits	0180-0148		0180-0248	\$8,000
nspection & Repair Services	0180-0150		0180-0250	\$5,000
Misc. Air & Pumping Services	0180-0154		0180-0254	\$10,000
Testing & Flowback Services	0180-0158	\$15.000	0180-0258	\$30,000
Completion / Workover Rig			0180-0260	\$10,500
Rig Mobilization	0180-0164	\$120,000		,
Transportation	0180-0165		0180-0265	\$20,000
Welding Services	0180-0168		0180-0268	\$15,000
Contract Services & Supervision	0180-0170		0180-0270	\$42,000
Directional Services Includes Vertical Control	0180-0175	\$273,000		+ .2,000
Equipment Rental	0180-0180		0180-0280	\$30,000
Well / Lease Legal	0180-0184		0180-0284	+10,000
Well / Lease Insurance	0180-0185		0180-0285	
Intangible Supplies	0180-0188		0180-0288	\$1,000
Damages	0180-0190	70,000	0180-0290	Ψ1,000
ROW & Easements	0180-0192		0180-0292	\$1,000
Pipeline Interconnect	0100 0102		0180-0293	\$100,000
Company Supervision	0180-0195	\$158,400	0180-0295	\$134,400
Overhead Fixed Rate	0180-0196		0180-0296	\$20,000
Well Abandonment	0180-0198	ψ10,000	0180-0298	Ψ20,000
Contingencies 10% (TCP) 10% (CC)	0180-0199	\$257 300	0180-0299	\$650,700
TOTAL	-	\$2,830,200		\$7,157,300
Casing (19.1" - 30") Casing (10.1" - 19.0")	0181-0793 0181-0794 0181-0795 0181-0796	\$6,800 \$72,300 \$289,700		
Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft	9101 0700	Ψ200,700	0181-0797	\$142,300
Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft			0181-0798	\$45,600
Drilling Head	0181-0860	\$40,000		7.0100
Tubing Head & Upper Section			0181-0870	\$50,000
Horizontal Completion Tools Completion Liner Hanger			0181-0871	\$70,00
Sucker Rods			0181-0875	7.5
Subsurface Equipment			0181-0880	
Artificial Lift Systems Gas Lift Valves			0181-0884	\$15,00
Pumping Unit		,	0181-0885	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Surface Pumps & Prime Movers 1/2 VRU/SWD Pump/Circ Pump			0181-0886	\$35,00
Tanks - Oil 3 - 750 bbl			0181-0890	\$55,00
Tanks - Water 3 - 750 bbl			0181-0891	\$60,000
Separation / Treating Equipment 30"x10'x1k# 3 ph/36"x15'x1k# Hor 3ph/Gun bbl			0181-0895	\$45,000
Heater Treaters, Line Heaters 8'x20'x75# HT			0181-0897	\$23,00
Metering Equipment			0181-0898	\$14,00
Line Pipe & Valves - Gathering			0181-0900	
Fittings / Valves & Accessories			0181-0906	
Cathodic Protection			0181-0908	
Electrical Installation			0181-0909	
Equipment installation			0181-0910	
Pipeline Construction			0181-0920	
TOTAL		\$408,800		\$722,90
SUBTOTAL	-	\$3,239,000]	\$7,880,20
TOTAL WELL COST		\$11.	119,200	
Extra Expense Insurance I elect to be covered by Operator's Extra Expense Insurance and pay my proportion of the secured Extra Expense Insurance covering costs of well control, clear I elect to purchase my own well control insurance policy.	n up and redrill	e of the premiur	n	0180-0185.
If neither box is checked above, non-operating working interest owner elects to be covered by Operator's well cor	trol insurance.			
Prepared by: B. Talley Dat		8		. #6
Company Approval: M. Whittee Date	e: <u>4/23/2</u> 01	8		
Joint Owner Interest:1.00229100% Amount: \$111,446.74				
Joint Owner Name: Bird 2000 Limited Partnership Signature:				

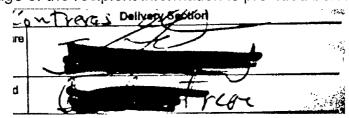


Date: May 5, 2018

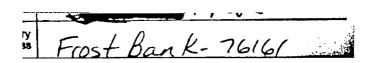
Simple Certified:

The following is in response to your May 5, 2018 request for delivery information on your Certified Mail™/RRE item number 9414810699945031154788. The delivery record shows that this item was delivered on May 5, 2018 at 5:58 am in FORT WORTH, TX 76161. The scanned image of the recipient information is provided below.

Signature of Recipient:



Address of Recipient:



Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely, United States Postal Service

> Bird 2000 Limited Partnership PO BOX 164009 Fort Worth, TX 76161 Reference #: Chicago 9/8 PM CM Item ID: Chicago 9 8 PM

FASKEN CENTER 500 WEST TEXAS, SUITE 1020 MIDLAND, TX 79701

TELEPHONE (432) 682-3715 FACSIMILE (432) 685-4170

July 11, 2017

Via Certified Mail

Bird 2000 Limited Partnership P.O. Box 164009 Fort Worth, Texas 76161

Re: Chicago 9/8 W0HE Fee Com #1H
2250' FNL & 330' FEL (SL: Section 9)
2200' FNL & 330' FWL (BHL: Section 8)
Section 9/8, T24S, R28E
Eddy County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 1,280.00 acre Working Interest Unit ("WIU") covering all of the captioned Section 9 and all of the captioned Section 8, limited to the Wolfcamp Formation, for oil and gas production. The targeted interval for the proposed unit is the Wolfcamp formation.

Mewbourne as Operator hereby proposes to drill the captioned well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,474 feet subsurface to evaluate the Wolfcamp Formation. The proposed well will have a measured depth (MD) of approximately 19,191 feet. The N/2 of the captioned Section 9 and the N/2 of the captioned Section 8 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling is our AFE dated June 21, 2017 for the captioned proposed well. Also, enclosed is a copy of our proposed Operating Agreement dated July 1, 2017 and an extra set of signature pages. In the event your firm elects to participate in the proposed well, please execute the enclosed AFE and extra set of signature pages and return to me within thirty (30) days.

Should you have any questions regarding the above, please email me at cmccurdy@mewbourne.com or call me at (432) 682-3715.

Sincerely,

MEWBOURNE OIL COMPANY

Cole McCurdy Petroleum Landman



Date: July 18, 2017

Simple Certified:

The following is in response to your July 18, 2017 request for delivery information on your Certified Mail™/RRE item number 9402810699945024217396. The delivery record shows that this item was delivered on July 18, 2017 at 6:23 am in FORT WORTH, TX 76161. The scanned image of the recipient information is provided below.

Signature of Recipient:

"CI (ATRIOUT)

Address of Recipient:

1100 | ROINY . 16161

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely, United States Postal Service

> Bird 2000 Limited Partnership PO BOX 164009 Fort Worth, TX 76161 Reference #: Chicago 9/8 W0HE #1H Item ID: Chicago 9 8 W0HE No 1H

Cole McCurdy

From:

Cole McCurdy

Sent:

Tuesday, June 05, 2018 4:53 PM

To:

'Jay Van Zandt'

Subject:

RE: [EXTERNAL SENDER]RE: Chicago 9/8 WOIL Fee #1H Election

The Bird 2000 LP interest has been force pooled in the N/2 wells and we plan to pool the S/2 wells later this month.

----Original Message----

From: Jay Van Zandt [mailto:jvanzandt@JettaOperating.com]

Sent: Tuesday, June 05, 2018 4:26 PM

To: Cole McCurdy

Subject: RE: [EXTERNAL SENDER]RE: Chicago 9/8 WOIL Fee #1H Election

I have not been able to convince my boss to accept that one paragraph. We are early in the process of trying to divest of all of our acreage in this area and was not sure if those wells have spud yet.

Jay Van Zandt Senior Landman Jetta Operating Company, Inc. Fort Worth Club Tower 777 Taylor Street, Suite P1 Fort Worth, TX 76102 817.335.1179

jvanzandt@jettaoperating.com

The information contained in this message may be privileged and confidential and protected from disclosure. If the reader of this message is not the intended recipient, or an employee or agent responsible for delivering this message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by replying to the message and delete this communication from your computer. Thank you.

----Original Message-----

From: Cole McCurdy [mailto:cmccurdy@mewbourne.com]

Sent: Tuesday, June 5, 2018 4:22 PM

To: Jay Van Zandt < <u>ivanzandt@JettaOperating.com</u>>

Subject: [EXTERNAL SENDER] RE: Chicago 9/8 WOIL Fee #1H Election

Yes we finished drilling the Chicago 9/8 WOHE Fee Com #1H and we have just started the Chicago 9/8 WOIL Fee #1H. Are you wanting to participate in the wells now?

----Original Message----

From: Jay Van Zandt [mailto:jvanzandt@JettaOperating.com]

Sent: Tuesday, June 05, 2018 4:04 PM

To: Cole McCurdy

Subject: Chicago 9/8 WOIL Fee #1H Election

Cole,

Attached you will find Bird 2000's election to participate in the Chicago 9/8 WOIL Fee #1H. I know that we are still in disagreement on how the NRI will be paid but I still have to circulate this for approval/disapproval.

Have the other two Chicago wells spud yet?

Thanks,

Jay Van Zandt
Senior Landman
Jetta Operating Company, Inc.
Fort Worth Club Tower
777 Taylor Street, Suite P1
Fort Worth, TX 76102
817.335.1179
jvanzandt@jettaoperating.com

The information contained in this message may be privileged and confidential and protected from disclosure. If the reader of this message is not the intended recipient, or an employee or agent responsible for delivering this message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by replying to the message and delete this communication from your computer. Thank you.

----Original Message-----

From: ricohmpc5503@jettapc.com [mailto:ricohmpc5503@jettapc.com]

Sent: Tuesday, June 5, 2018 4:08 PM

To: Jay Van Zandt < <u>jvanzandt@JettaOperating.com</u>>

Subject: [EXTERNAL SENDER]Message from "RNP00267391130B"

This E-mail was sent from "RNP00267391130B" (MP C5503).

Scan Date: 06.05.2018 16:08:28 (-0500) Queries to: <u>ricohmpc5503@jettapc.com</u>

Cole McCurdy

From:

Cole McCurdy

Sent:

Monday, March 05, 2018 10:23 AM

To:

'Jay Van Zandt'

Subject:

RE: Chicago 9/8 WOHE Fee Com #1H & #2H

Jay,

Would y'all be interested in selling your interest in Sections 8 and 9, T24S, R28E, Eddy County, NM? I could get with management and have an offer sent over.

Thanks, Cole

From: Jay Van Zandt [mailto:jvanzandt@JettaOperating.com]

Sent: Friday, March 02, 2018 9:36 AM

To: Cole McCurdy

Subject: RE: Chicago 9/8 WOHE Fee Com #1H & #2H

Cole,

I just talked with my boss again and attached is an example of how we interpret Article III.B. The top example is how we interpret the OA and the bottom example is how it is being proposed to us (Company B is a company that contributes less than 75% NRI).

We do not believe that Article III.B has anything to do with how the DOI is being paid. We think that it merely states that if anyone contributes a lease of more than 25%, then they are solely responsible for the extra burden. We do not believe that paragraph blends all of the parties NRI.



Jay Van Zandt
Senior Landman
Jetta Operating Company, Inc.
Fort Worth Club Tower
777 Taylor Street, Suite P1
Fort Worth, TX 76102
817.335.1179
jvanzandt@jettaoperating.com

The information contained in this message may be privileged and confidential and protected from disclosure. If the reader of this message is not the intended recipient, or an employee or agent responsible for delivering this message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by replying to the message and delete this communication from your computer. Thank you.

From: Cole McCurdy [mailto:cmccurdy@mewbourne.com]

Sent: Thursday, March 01, 2018 3:40 PM

To: Jay Van Zandt

Subject: RE: Chicago 9/8 WOHE Fee Com #1H & #2H

Jay,

Cole McCurdy

From:

Jay Van Zandt <jvanzandt@JettaOperating.com>

Sent:

Friday, March 02, 2018 9:36 AM

To:

Cole McCurdy

Subject:

RE: Chicago 9/8 WOHE Fee Com #1H & #2H

Attachments:

Mewbourne Example.xls

Cole,

I just talked with my boss again and attached is an example of how we interpret Article III.B. The top example is how we interpret the OA and the bottom example is how it is being proposed to us (Company B is a company that contributes less than 75% NRI).

We do not believe that Article III.B has anything to do with how the DOI is being paid. We think that it merely states that if anyone contributes a lease of more than 25%, then they are solely responsible for the extra burden. We do not believe that paragraph blends all of the parties NRI.



Jay Van Zandt
Senior Landman
Jetta Operating Company, Inc.
Fort Worth Club Tower
777 Taylor Street, Suite P1
Fort Worth, TX 76102
817.335.1179
jvanzandt@jettaoperating.com

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From: Cole McCurdy [mailto:cmccurdy@mewbourne.com]

Sent: Thursday, March 01, 2018 3:40 PM

To: Jay Van Zandt

Subject: RE: Chicago 9/8 WOHE Fee Com #1H & #2H

Jay,

For example. Say that Bird 2000 LP contributed a lease that has a 80% net revenue interest, and the spacing unit area includes your leased tract, you will then receive a proportionately reduced overriding royalty interest which will be the positive difference between 25% and existing burdens (20%) proportionately reduced to its interest in the spacing unit. The override is only due when a portion of the lease is included in a spacing unit.

Other non-ops in the agreement want and benefit from this language because now they will receive an override which is awarding them for bringing in a lease with a good NRI. Without this language, they would have to pick up their share of the burdens up to 25% and not get anything back.

Thanks,

Cole

From: Jay Van Zandt [mailto:jvanzandt@JettaOperating.com]

Sent: Thursday, March 01, 2018 2:33 PM

To: Cole McCurdy

Subject: RE: Chicago 9/8 WOHE Fee Com #1H & #2H

Cole,

Can you please email me what the benefit of Paragraph J is to us? My boss and I are having a hard time trying to decipher how this is in our benefit. We just do not want to change how our interest was born.

I apologize for the confusion.



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From: Jay Van Zandt

Sent: Thursday, March 01, 2018 8:59 AM

To: 'Cole McCurdy'

Subject: RE: Chicago 9/8 WOHE Fee Com #1H & #2H

Cole,

I just talked with our VP of Land and I do not think we can sign the Operating Agreement without striking Section I and J. Give me a call to discuss. My direct line is 817-639-2257.

Thanks,



Jay Van Zandt
Senior Landman
Jetta Operating Company, Inc.
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777 Taylor Street, Suite P1
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From: Jay Van Zandt

Sent: Tuesday, February 27, 2018 2:33 PM

To: 'Cole McCurdy'

Subject: RE: Chicago 9/8 WOHE Fee Com #1H & #2H

Cole.

As we review the JOA for the Chicago wells, we are needing further explanation on why you all have added Section H, I and I

As for Section I, and I hope I am reading this paragraph correctly, but we cannot be certain that none of our employees owns a significant amount of stock etc. in any of the parties subject to this JOA.

As for Section J, did you have a DOTO rendered? If so, what is Bird 2000's NRI?

Thanks,

Jay Van Zandt
Senior Landman
Jetta Operating Company, Inc.
Fort Worth Club Tower
777 Taylor Street, Suite P1
Fort Worth, TX 76102
817.335.1179
jvanzandt@jettaoperating.com

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From: Cole McCurdy [mailto:cmccurdy@mewbourne.com]

Sent: Thursday, February 01, 2018 10:53 AM

To: Jay Van Zandt

Subject: RE: Chicago 9/8 WOHE Fee Com #1H & #2H

Signature pages need to be returned for the JOA, Exhibit "E" and Exhibit "H".

From: Jay Van Zandt [mailto:jvanzandt@JettaOperating.com]

Sent: Thursday, February 01, 2018 10:07 AM

To: Cole McCurdy

Subject: RE: Chicago 9/8 WOHE Fee Com #1H & #2H

Sounds good to me. Can you please email another copy of the JOA to me?

Jay Van Zandt
Senior Landman
Jetta Operating Company, Inc.
Fort Worth Club Tower
777 Taylor Street, Suite P1
Fort Worth, TX 76102
817.335.1179

jvanzandt@jettaoperating.com

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From: Cole McCurdy [mailto:cmccurdy@mewbourne.com]

Sent: Thursday, February 01, 2018 10:06 AM

To: Jay Van Zandt

Subject: RE: Chicago 9/8 WOHE Fee Com #1H & #2H

No the first one is fine. Do you still have a copy of the JOA I sent over last year? If not I can send over another one to your email.

From: Jay Van Zandt [mailto:jvanzandt@JettaOperating.com]

Sent: Thursday, February 01, 2018 8:43 AM

To: Cole McCurdy

Subject: RE: Chicago 9/8 WOHE Fee Com #1H & #2H

Thank you. Do we need to make another election?



Jay Van Zandt
Senior Landman
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From: Cole McCurdy [mailto:cmccurdy@mewbourne.com]

Sent: Thursday, January 25, 2018 10:17 AM

To: Jay Van Zandt

Subject: RE: Chicago 9/8 WOHE Fee Com #1H & #2H

Jay,

For your review, I have attached the Chicago 9/8 AFE's that include the interest credited to Bird 2000 Limited Partnership. Please give me a call if you have any questions. I will be sending out updated JOA's within the next couple of days.

Thanks,

Cole McCurdy
Landman

Mewbourne Oil Company 500 West Texas Ave, Suite 1020 Midland, TX 79701-4279

Ph: 432-682-3715 / Fax: 432-685-4170

From: Jay Van Zandt [mailto:jvanzandt@JettaOperating.com]

Sent: Wednesday, November 29, 2017 4:08 PM

To: Cole McCurdy

Subject: RE: Chicago 9/8 WOHE Fee Com #1H & #2H

Good deal. Thank you for the update.

Jay Van Zandt
Senior Landman
Jetta Operating Company, Inc.
Fort Worth Club Tower
777 Taylor Street, Suite P1
Fort Worth, TX 76102
817.335.1179
jvanzandt@jettaoperating.com

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From: Cole McCurdy [mailto:cmccurdy@mewbourne.com]

Sent: Wednesday, November 29, 2017 4:07 PM

To: Jay Van Zandt

Subject: RE: Chicago 9/8 WOHE Fee Com #1H & #2H

No they were moved back to May 2018. We are still waiting for the title opinion to be completed. An updated JOA will be sent out once the title opinion is completed. I will stay in touch.

From: Jay Van Zandt [mailto:jvanzandt@JettaOperating.com]

Sent: Wednesday, November 29, 2017 3:56 PM

To: Cole McCurdy

Subject: RE: Chicago 9/8 WOHE Fee Com #1H & #2H

Cole,

I just came across the JOA for these wells at the bottom of a stack of papers on my desk and want to apologize for the delay. Did you all ever drill these wells?

Once again, I apologize for the delay.

Jay Van Zandt Senior Landman



Jetta Operating Company, Inc. Fort Worth Club Tower 777 Taylor Street, Suite P1 Fort Worth, TX 76102 817.335.1179 jvanzandt@jettaoperating.com

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From: Cole McCurdy [mailto:cmccurdy@mewbourne.com]

Sent: Wednesday, August 16, 2017 9:28 AM

To: Jay Van Zandt

Subject: RE: Chicago 9/8 WOHE Fee Com #1H & #2H

Okay thanks Jay. I will get this printed off and put into the file.

From: Jay Van Zandt [mailto:jvanzandt@JettaOperating.com]

Sent: Tuesday, August 15, 2017 7:53 AM

To: Cole McCurdy

Subject: RE: Chicago 9/8 WOHE Fee Com #1H & #2H

Cole,

Attached you will find Bird 2000 LP's signed AFE's, electing to participate in the Chicago 9/8 WOHE Fee Com #1H & #2H, as well as our Well Data Requirement sheet and W-9 Tax form. I will also send a copies of the attached, via USPS, for your records.

As for the JOA, my superior is out of the office and will have it signed once he returns.

If you have any questions, please feel free to let me know.

Thanks,

Jay Van Zandt Senior Landman Jetta Operating Company, Inc. Fort Worth Club Tower 777 Taylor Street, Suite P1 Fort Worth, TX 76102 817.335.1179

jvanzandt@jettaoperating.com

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From: Cole McCurdy [mailto:cmccurdy@mewbourne.com]

Sent: Wednesday, August 02, 2017 10:54 AM

To: Jay Van Zandt

Subject: RE: Chicago 9/8 WOHE Fee Com #1H & #2H

Jay,

I apologize for the inconvenience but could you add this attached Exhibit D to the JOA I sent over for Sections 8 and 9, T24S, R28E, Eddy County, NM. It somehow got left off the copy I sent over to you.

Thanks,

Cole

From: Jay Van Zandt [mailto:jvanzandt@JettaOperating.com]

Sent: Tuesday, July 25, 2017 8:55 AM

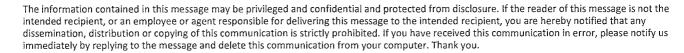
To: Cole McCurdy

Subject: RE: Chicago 9/8 WOHE Fee Com #1H & #2H

That works for me. My direct line is 817-639-2257.

Thanks,

Jay Van Zandt
Senior Landman
Jetta Operating Company, Inc.
Fort Worth Club Tower
777 Taylor Street, Suite P1
Fort Worth, TX 76102
817.335.1179
jvanzandt@jettaoperating.com



From: Cole McCurdy [mailto:cmccurdy@mewbourne.com]

Sent: Tuesday, July 25, 2017 8:54 AM

To: Jay Van Zandt

Subject: RE: Chicago 9/8 WOHE Fee Com #1H & #2H

Yea no problem. Can I give you a call around 11:00? I have a meeting until then.

From: Jay Van Zandt [mailto:jvanzandt@JettaOperating.com]

Sent: Tuesday, July 25, 2017 8:26 AM

To: Cole McCurdy

Subject: Chicago 9/8 WOHE Fee Com #1H & #2H

Mr. McCurdy,

We, Bird 2000 LP, received the two well proposals for the Chicago 9/8 WOHE Fee Com #1H & #2H wells on July 20, 2017. Our records for these sections are less than stellar and any assistance that you could provide to help us figure out how much working interest we will have, would be greatly appreciated.

Thanks,



Jay Van Zandt
Senior Landman
Jetta Operating Company, Inc.
Fort Worth Club Tower
777 Taylor Street, Suite P1
Fort Worth, TX 76102
817.335.1179
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Mewbourne Oil Company

FASKEN CENTER 500 WEST TEXAS, SUITE 1020 MIDLAND, TX 79701

TELEPHONE (432) 682-3715 FACSIMILE (432) 685-4170

May 1, 2018

Via Certified Mail

Stratco Operating Company, Inc. 400 Buckeye Trail Austin, TX 78746

> Re: Chicago 9/8 W0IL Fee #1H 2300' FNL & 330' FEL (SL: Section 9) 2200' FNL & 330' FWL (BHL: Section 8)

Section 9/8, T24S, R28E Eddy County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company as Operator hereby proposes to drill the captioned well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,482 feet subsurface to evaluate the Wolfcamp Formation. The proposed well will have a measured depth (MD) of approximately 19,520 feet. The S/2 of the captioned Section 9 and the S/2 of the captioned Section 8 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling is our AFE dated April 20, 2018 for the captioned proposed well. In the event that you elect to participate in the proposed well, please execute the enclosed AFE and return to me within thirty (30) days. Joint Operating Agreement previously provided.

Should you have any questions regarding the above, please email me at cmccurdy@mewbourne.com or call me at (432) 682-3715.

Sincerely,

MEWBOURNE OIL COMPANY

Cole McCurdy

Petroleum Landman

AUTHORIZATION FOR EXPENDITURE

Well Name: Chicago 9/8 W0IL Fee #1H Prosp	ect: W	olfcamp		
Location: SL: 2300' FNL & 330' FEL (9); BHL: 2200' FSL & 330' FWL (8)	unty: E	ddy		ST: NM
Sec. 9 Blk: Survey: TWP: 24S	RNG:	28E Prop. TVD	: 9482	TMD: 19520
Oct. J Dir. 240	1010.			
INTANGIBLE COSTS 0180	CODE	TCP	CODE	CC
Regulatory Permits & Surveys	0180-010		0180-0200 0180-0205	\$25,000
Location / Road / Site / Preparation Location / Restoration	0180-010		0180-0206	\$30,000
Daywork / Turnkey / Footage Drilling 30 days drig / 4 days comp @ \$21,000/d	0180-010		0180-0210	\$89,700
Fuel 1500 gal/day @ 2.63/gal	0180-01		0180-0214	\$520,000
Mud, Chemical & Additives	0180-012	\$230,000	0180-0220	
Horizontal Drillout Services			0180-0222	\$220,000
Cementing	0180-012		0180-0225	\$30,000
Logging & Wireline Services	0180-01		0180-0230 0180-0234	\$480,000 \$90,000
Casing / Tubing / Snubbing Service Mud Logging	0180-01: 0180-01:			\$90,000
Stimulation 61 Stg 24.9 MM gal / 24.9 MM lb	0100 011	φοσ,σσσ	0180-0241	\$3,625,000
Stimulation Rentals & Other			0180-0242	\$200,000
Water & Other	0180-01		0180-0245	\$770,000
Bits	0180-01		0180-0248	
Inspection & Repair Services	0180-01		0180-0250	
Misc. Air & Pumping Services	0180-01 0180-01		0180-0254 0180-0258	
Testing & Flowback Services Completion / Workover Rig	0180-01	\$15,000	0180-0260	
Rig Mobilization	0180-01	64 \$120,000		ψ10,000
Transportation	0180-01		0180-0265	\$20,000
Welding Services	0180-01	68 \$5,000	0180-0268	\$15,000
Contract Services & Supervision .	0180-01		0180-0270	\$42,000
Directional Services Includes Vertical Control	0180-01			#20.000
Equipment Rental	0180-01 0180-01		0180-0280 0180-0284	
Well / Lease Legal Well / Lease Insurance	0180-01		0180-0285	
Intangible Supplies	0180-01		0180-0288	
Damages	0180-01		0180-0290	
ROW & Easements	0180-01		0180-0292	
Pipeline Interconnect			0180-0293	
Company Supervision	0180-01		0180-0295	
Overhead Fixed Rate	0180-01		0180-0296	
Well Abandonment	0180-01		0180-0298	
Contingencies 10% (TCP) 10% (CC)	0180-0	\$2,830,200	-	\$7,157,300
TOTAL	1	\$2,030,200		\$1,137,300
TANGIBLE COSTS 0181	0101 0	702		
Casing (19.1" - 30") Casing (10.1" - 19.0") 175' - 13 3/8" 54.5# J-55 ST&C @ \$35.90/ft	0181-0		1	
Casing (10.1" - 19.0") 175 - 13 3/8 34.3# 3-33 31&0 @ \$33.89/ft Casing (8.1" - 10.0") 2450' - 9 5/8" 40# N-80 LT&C @ \$27.61/ft	0181-0			
Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft	0181-0			
Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft			0181-079	7 \$142,300
Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft			0181-079	8 \$45,600
Drilling Head	0181-0	860 \$40,00		450,000
Tubing Head & Upper Section			0181-087	
Horizontal Completion Tools Completion Liner Hanger Sucker Rods	1		0181-087 0181-087	·
Subsurface Equipment	-		0181-088	
Artificial Lift Systems Gas Lift Valves			0181-088	
Pumping Unit			0181-088	5
Surface Pumps & Prime Movers 1/2 VRU/SWD Pump/Circ Pump			0181-088	
Tanks - Oil 3 - 750 bbl	_		0181-089	
Tanks - Water 3 - 750 bbl			0181-089	
Separation / Treating Equipment 30"x10"x1k# 3 ph/36"x15'x1k# Hor 3ph/Gun bbl Heater Treaters, Line Heaters 8'x20'x75# HT	-		0181-089	
Metering Equipment	-		0181-089	
Line Pipe & Valves - Gathering			0181-090	
Fittings / Valves & Accessories	- !!		0181-090	\$60,000
Tittings / valves & Accessories				
Cathodic Protection			0181-090	101 PEO 000
Cathodic Protection Electrical Installation			0181-090	
Cathodic Protection Electrical Installation Equipment Installation			0181-090 0181-091	10 \$50,000
Cathodic Protection Electrical Installation Equipment Installation Pipeline Construction			0181-090 0181-090 0181-090	\$50,000 20
Cathodic Protection Electrical Installation Equipment Installation Pipeline Construction TOTA	_	\$408,8	0181-090 0181-090 0181-090	\$50,000 20
Cathodic Protection Electrical Installation Equipment Installation Pipeline Construction	_	\$408,8I \$3,239,0I	0181-090 0181-092 0181-092	\$50,000 \$722,900
Cathodic Protection Electrical Installation Equipment Installation Pipeline Construction TOTA SUBTOTA	_	\$3,239,0	0181-090 0181-092 0181-092	\$50,000 20 \$722,900 \$7,880,200
Cathodic Protection Electrical Installation Equipment Installation Pipeline Construction TOTAL SUBTOTAL TOTAL WELL COST	_	\$3,239,0	0181-090 0181-092 0181-092	\$50,000 20 \$722,900 \$7,880,200
Cathodic Protection Electrical Installation Equipment Installation Pipeline Construction TOTA SUBTOTAL TOTAL WELL COST Extra Expense Insurance		\$3,239,00 \$1.7	0181-092 0181-092 0181-092 000 000	\$50,000 20 \$722,900 \$7,880,200
Cathodic Protection Electrical Installation Equipment Installation Pipeline Construction TOTAL SUBTOTAL TOTAL WELL COST Extra Expense Insurance I elect to be covered by Operator's Extra Expense Insurance and pay my prop	ortionate	\$3,239,0 \$1.1 Share of the premi	0181-092 0181-092 0181-092 000 000 1,119,200	\$50,000 20 \$722,900 \$7,880,200
Cathodic Protection Electrical Installation Equipment Installation Pipeline Construction TOTAL SUBTOTAL TOTAL WELL COST Extra Expense Insurance I elect to be covered by Operator's Extra Expense Insurance and pay my prop Operator has secured Extra Expense Insurance covering costs of well control, clean	ortionate	\$3,239,0 \$1.1 Share of the premi	0181-092 0181-092 0181-092 000 000 1,119,200	\$50,000 20 \$722,900 \$7,880,200
Cathodic Protection Electrical Installation Equipment Installation Pipeline Construction TOTAL SUBTOTAL TOTAL WELL COST Extra:Expense Insurance I elect to be covered by Operator's Extra Expense Insurance and pay my prop Operator has secured Extra Expense Insurance covering costs of well control, clea I elect to purchase my own well control insurance policy.	ortionate n up and	\$3,239,00 \$1.1 share of the premi redrilling as estimate	0181-092 0181-092 0181-092 000 000 1,119,200	\$50,000 20 \$722,900 \$7,880,200
Cathodic Protection Electrical Installation Equipment Installation Pipeline Construction TOTAL SUBTOTAL TOTAL WELL COST Extra Expense Insurance I elect to be covered by Operator's Extra Expense Insurance and pay my prop Operator has secured Extra Expense Insurance covering costs of well control, clean	ortionate n up and	\$3,239,00 \$1.1 share of the premi redrilling as estimate	0181-092 0181-092 0181-092 000 000 1,119,200	\$50,000 20 \$722,900 \$7,880,200
Cathodic Protection Electrical Installation Equipment Installation Pipeline Construction TOTAL SUBTOTAL TOTAL WELL COST Extra Expense Insurance I elect to be covered by Operator's Extra Expense Insurance and pay my prop Operator has secured Extra Expense Insurance covering costs of well control, clea I elect to purchase my own well control insurance policy. If neither box is checked above, non-operating working interest owner elects to be covered by Operator's well co	ortionate n up and	\$3,239,00 \$1.1 share of the premi redrilling as estimate	0181-092 0181-092 0181-092 000 000 1,119,200	\$50,000 20 \$722,900 \$7,880,200
Cathodic Protection Electrical Installation Equipment Installation Pipeline Construction TOTAL SUBTOTAL SUBTOTAL TOTAL WELL COST Extra Expense Insurance I elect to be covered by Operator's Extra Expense Insurance and pay my prop Operator has secured Extra Expense Insurance covering costs of well control, clea I elect to purchase my own well control insurance policy. If neither box is checked above, non-operating working interest owner elects to be covered by Operator's well co	ortionate n up and ntrol insura te: 4/2	\$3,239,00 \$17 share of the premi redrilling as estimate nce.	0181-092 0181-092 0181-092 000 000 1,119,200	\$50,000 20 \$722,900 \$7,880,200
Cathodic Protection Electrical Installation Equipment Installation Pipeline Construction TOTAL SUBTOTAL TOTAL WELL COST Extra Expense Insurance I elect to be covered by Operator's Extra Expense Insurance and pay my prop Operator has secured Extra Expense Insurance covering costs of well control, clea I elect to purchase my own well control insurance policy. If neither box is checked above, non-operating working interest owner elects to be covered by Operator's well control.	ortionate n up and ntrol insura te: 4/2	\$3,239,00 \$1.2 share of the premi redrilling as estimate nce.	0181-092 0181-092 0181-092 000 000 1,119,200	\$50,000 20 \$722,900 \$7,880,200
Cathodic Protection Electrical Installation Equipment Installation Pipeline Construction TOTAL SUBTOTAL SUBTOTAL TOTAL WELL COST Extra Expense Insurance I elect to be covered by Operator's Extra Expense Insurance and pay my prop Operator has secured Extra Expense Insurance covering costs of well control, clea I elect to purchase my own well control insurance policy. If neither box is checked above, non-operating working interest owner elects to be covered by Operator's well co	ortionate n up and ntrol insura te: 4/2	\$3,239,00 \$17 share of the premi redrilling as estimate nce.	0181-092 0181-092 0181-092 000 000 1,119,200	\$50,000 \$722,900 \$7,880,200
Cathodic Protection Electrical Installation Equipment Installation Pipeline Construction TOTAL SUBTOTAL SUBTOTAL TOTAL WELL COST Extra Expense Insurance I elect to be covered by Operator's Extra Expense Insurance and pay my prop Operator has secured Extra Expense Insurance covering costs of well control, clea I elect to purchase my own well control insurance policy. If neither box is checked above, non-operating working interest owner elects to be covered by Operator's well co Prepared by: B. Talley Da Company Approval: Da	ortionate n up and ntrol insura te: 4/2	\$3,239,00 \$17 share of the premi redrilling as estimate nce.	0181-092 0181-092 0181-092 000 000 1,119,200	\$50,000 \$722,900 \$7,880,200



Date: May 4, 2018

Simple Certified:

The following is in response to your May 4, 2018 request for delivery information on your Certified Mail™/RRE item number 9414810699945031155068. The delivery record shows that this item was delivered on May 4, 2018 at 1:21 pm in AUSTIN, TX 78746. The scanned image of the recipient information is provided below.

Signature of Recipient:

Signature X Tom STUHT TO ALL Printed Name Annie

Address of Recipient:

Delivery 400 Package Try

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely, United States Postal Service

> Stratco Operating Company, Inc. 400 BUCKEYE TRL WEST LAKE HILLS, TX 78746 Reference #: Chicago 9/8 PM CM Item ID: Chicago 9 8 PM

FASKEN CENTER . 500 WEST TEXAS, SUITE 1020 MIDLAND, TX 79701

TELEPHONE (432) 682-3715 FACSIMILE (432) 685-4170

August 2, 2017

Via Certified Mail

Stratco Operating Company, Inc. 400 Buckeye Trail Austin, TX 78746

Re: Chicago 9/8 W0HE Fee Com #1H 2250' FNL & 330' FEL (SL : Section 9) 2200' FNL & 330' FWL (BHL : Section 8) Section 9/8, T24S, R28E

Section 9/8, T24S, R28E Eddy County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 1,280.00 acre Working Interest Unit ("WIU") covering all of the captioned Section 9 and all of the captioned Section 8, limited to the Wolfcamp Formation, for oil and gas production. The targeted interval for the proposed unit is the Wolfcamp formation.

Mewbourne as Operator hereby proposes to drill the captioned well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,474 feet subsurface to evaluate the Wolfcamp Formation. The proposed well will have a measured depth (MD) of approximately 19,191 feet. The N/2 of the captioned Section 9 and the N/2 of the captioned Section 8 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling is our AFE dated June 21, 2017 for the captioned proposed well. Also, enclosed is a copy of our proposed Operating Agreement dated July 1, 2017 and an extra set of signature pages. In the event your firm elects to participate in the proposed well, please execute the enclosed AFE and extra set of signature pages and return to me within thirty (30) days.

Should you have any questions regarding the above, please email me at cmccurdy@mewbourne.com or call me at (432) 682-3715.

Sincerely,

MEWBOURNE OIL COMPANY

Cole McCurdy

Petroleum Landman



Date: August 9, 2017

Simple Certified:

The following is in response to your August 9, 2017 request for delivery information on your Certified Mail™/RRE item number 9402810699945024687533. The delivery record shows that this item was delivered on August 9, 2017 at 3:46 pm in AUSTIN, TX 78746. The scanned image of the recipient information is provided below.

Signature of Recipient:

Address of Recipient:

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely, United States Postal Service

> STRATCO OPERATING COMPANY, INC. 400 BUCKEYE TRL WEST LAKE HILLS, TX 78746 Reference #: Chicago9/8

From: Sent:

Tom <tomjstratton@msn.com>

To:

Tuesday, May 08, 2018 11:03 AM Cole McCurdy

Subject:

Re: Chicago 9/8 Fed Com #1

Please resend the assignment and I will have it executed. Thanks,

Tom

Sent from my iPad

On May 4, 2018, at 1:48 PM, Cole McCurdy < cmccurdy@mewbourne.com> wrote:

We have not received an assignment back from you. Have you tried to send one in?

And this is a new well that we plan to drill in the S/2 of Sections 8 and 9, so new proposals were sent out. The first AFE's we sent were for our wells in the N/2.

From: Tom [mailto:tomjstratton@msn.com]

Sent: Friday, May 04, 2018 1:46 PM

To: Cole McCurdy

Subject: Re: Chicago 9/8 Fed Com #1

I received the AFE today, but thought I had already made the Assignment to Melbourne. I'll look for it

this afternoon. Thx

Tom

Sent from my iPad

On Mar 14, 2018, at 1:50 PM, Cole McCurdy < cmccurdy@mewbourne.com> wrote:

Tom,

Have you had a chance to look over the Assignment I sent over? Let me know if you have any questions.

Thanks,

Cole McCurdy (432) 682-3715

From: Tom [mailto:tomjstratton@msn.com] Sent: Friday, February 23, 2018 1:21 PM

To: Cole McCurdy

Subject: RE: Chicago 9/8 Fed Com #1

III call you Monday.

From:

Cole McCurdy

Sent:

Tuesday, May 08, 2018 11:23 AM

To:

Tom

Subject:

Re: Chicago 9/8 Fed Com #1

Do you have any documentation to show how the interest is currently held or how the case was settled?

Sent from my iPhone

On May 8, 2018, at 11:17 AM, Tom < tomjstratton@msn.com > wrote:

I don't think Trustee wants to reopen the case for this small interest and amount.

Sent from my iPad

On May 8, 2018, at 11:14 AM, Cole McCurdy < cmccurdy@mewbourne.com> wrote:

Here is the offer we had sent over in February.

From: Cole McCurdy

Sent: Wednesday, February 28, 2018 2:04 PM

To: 'Tom'

Subject: RE: Chicago 9/8 Fed Com #1

Tom,

Pursuant to our conversation, attached is the offer letter and Assignment I have prepared for Stratco Operating Company, Inc.'s interest in the Sections 8 and 9, T24S, R28E, Eddy County, NM. Also, enclosed for your further handling is a W9 form.

Should you have any questions regarding the above, please email me at cmccurdy@mewbourne.com or call me at (432) 682-3715.

Thanks,

Cole McCurdy

From: Tom [mailto:tomjstratton@msn.com]
Sent: Friday, February 23, 2018 1:21 PM

To: Cole McCurdy

Subject: RE: Chicago 9/8 Fed Com #1

III call you Monday.

From: Cole McCurdy [mailto:cmccurdy@mewbourne.com]

Sent: Friday, February 23, 2018 10:00 AM To: Tom < tomjstratton@msn.com >

Subject: RE: Chicago 9/8 Fed Com #1

From:

Tom <tomjstratton@msn.com>

Sent:

Tuesday, May 08, 2018 11:17 AM

To:

Cole McCurdy

Subject:

Re: Chicago 9/8 Fed Com #1

I don't think Trustee wants to reopen the case for this small interest and amount.

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Should you have any questions regarding the above, please email me at cmccurdy@mewbourne.com or call me at (432) 682-3715.

Thanks,

Cole McCurdy

From: Tom [mailto:tomjstratton@msn.com]
Sent: Friday, February 23, 2018 1:21 PM

To: Cole McCurdy

Subject: RE: Chicago 9/8 Fed Com #1

Ill call you Monday.

From: Cole McCurdy [mailto:cmccurdy@mewbourne.com]

Sent: Friday, February 23, 2018 10:00 AM
To: Tom <<u>tomjstratton@msn.com</u>>
Subject: RE: Chicago 9/8 Fed Com #1

Okay I will get the documents sent over. Please give me a call when you can at 432-682-3715. We need to discuss a few items.

From: Tom [mailto:tomjstratton@msn.com]
Sent: Thursday, February 22, 2018 2:43 PM

To: Cole McCurdy

Subject: RE: Chicago 9/8 Fed Com #1

You can email me the docs to sign.

I'll sign and you can send the funds and I will return the originals.

OK with you?

I also own other properties in the area. Would you be interested in them as well?

Thanks, Tom

From: Cole McCurdy [mailto:cmccurdy@mewbourne.com]

Sent: Wednesday, February 21, 2018 11:08 AM

To: Tom < tomjstratton@msn.com > Subject: FW: Chicago 9/8 Fed Com #1

Tom,

I have been trying to get in touch with you regarding our offer shown below. The wells are fast approaching and we need to get something put together. Please give me a call at (432) 682-3715 at your earliest convenience.

Thanks, Cole

From: Cole McCurdy

Sent: Wednesday, August 16, 2017 3:19 PM

To: Tom

Subject: RE: Chicago 9/8 Fed Com #1

Tom,

Pursuant to our conversation, Mewbourne Oil Company ("Mewbourne") is interested in acquiring a complete assignment covering the interest owned by Stratco Operating Company, Inc. ("Stratco") in Sections 8 and 9, T24S, R28E, Eddy County, NM. Based upon our most current title information, Stratco appears to own 0.057813% working interest in the above referenced Section 8 and 9 (0.74 Net Acres). These numbers are based on a preliminary title report we conducted ourselves and are subject to change based on the findings of the Title Opinion that is currently being rendered.

Regarding the above, Mewbourne hereby offers to purchase a complete assignment covering all of the Stratco's interest in the above captioned Section 8 and 9, as to all depths from the surface to the base of the Wolfcamp Formation for \$3,000.00 per net acre (0.74 Net Acres @ \$3,000.00 Per Net Acre= \$2,200.00).

The above offer is subject to your acceptance and Mewbourne's approval of title and assignment form. Please indicate your acceptance by signing and returning this letter to me within thirty (30) days from the date of this letter.

Should you have any questions regarding the above, please email me at cmccurdy@mewbourne.com or call me at (432) 682-3715.

Sincerely,

Cole McCurdy

From: Tom [mailto:tomjstratton@msn.com]
Sent: Thursday, August 10, 2017 3:21 PM

To: Cole McCurdy

Subject: Chicago 9/8 Fed Com #1

Cole,

I received your package yesterday, and sent you a quick note back last night.

Your afe doesn't indicate Stratco's participation interest in the project? Or I just overlooked it. However, Stratco would consider an offer to purchase its' operating rights and or mineral ownership interest in the project.

Thank you for your consideration.

Tom Stratton

tomjstratton@msn.com

512-423-1464

<W-9 Blank.pdf>

<Offer Letter Stratco.pdf>

<Stratco Operating Company, Inc. Assignment Chicago 9.8.pdf>

FASKEN CENTER
500 WEST TEXAS, SUITE 1020
MIDLAND, TX 79701

TELEPHONE (432) 682-3715 FACSIMILE (432) 685-4170

May 1, 2018

<u>Via Certified Mail</u>

Costilla Energy, Inc. 400 W Illinois, Suite 1000 Midland, TX 79701

Re: Chicago 9/8 WOIL Fee #1H

2300' FNL & 330' FEL (SL : Section 9) 2200' FNL & 330' FWL (BHL : Section 8)

Section 9/8, T24S, R28E Eddy County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company as Operator hereby proposes to drill the captioned well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,482 feet subsurface to evaluate the Wolfcamp Formation. The proposed well will have a measured depth (MD) of approximately 19,520 feet. The S/2 of the captioned Section 9 and the S/2 of the captioned Section 8 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling is our AFE dated April 20, 2018 for the captioned proposed well. In the event that you elect to participate in the proposed well, please execute the enclosed AFE and return to me within thirty (30) days. Our Joint Operating Agreement to follow should you elect to participate.

Should you have any questions regarding the above, please email me at cmccurdy@mewbourne.com or call me at (432) 682-3715.

Sincerely,

MEWBOURNE OIL COMPANY

Cole McCurdy Petroleum Landman

AUTHORIZATION FOR EXPENDITURE

Well Name: Chicago 9/8 W0IL Fee #1H Prosp	ect: Wo	lfcamp		
ocation: SL: 2300' FNL & 330' FEL (9); BHL: 2200' FSL & 330' FWL (8)	unty: Ed	dy		ST: NM
Sec. 9 Blk: Survey: TWP: 24S	RNG:	28E Prop. TVD:	9482	TMD: 19520
INTANGIBLE COSTS 0180	CODE	TCP #10,000	CODE	CC
	0180-0100			\$25,000
	0180-0106			\$30,000
	0180-0110			\$89,700
	0180-0114			\$520,000
lud, Chemical & Additives	0180-0120			
orizontal Drillout Services			0180-0222	\$220,000
ementing	0180-0125		0180-0225 0180-0230	\$30,000 \$480,000
ogging & Wireline Services	0180-0130		0180-0234	\$90,000
asing / Tubing / Snubbing Service lud Logging	0180-013		0100-0204	Ψ00,000
timulation 61 Stg 24.9 MM gal / 24.9 MM lb	0.000.0		0180-0241	\$3,625,000
timulation Rentals & Other			0180-0242	\$200,000
Vater & Other	0180-014		0180-0245	\$770,000
its	0180-014		0180-0248	
spection & Repair Services	0180-015		0180-0250	
lisc. Air & Pumping Services	0180-015 0180-015		0180-0254 0180-0258	
esting & Flowback Services	0180-015	8 \$15,000	0180-0258	
Completion / Workover Rig Rig Mobilization	0180-016	4 \$120,000	0100-0200	φτοίος
ransportation	0180-016		0180-0265	\$20,00
Velding Services	0180-016	8 \$5,000	0180-0268	\$15,00
Contract Services & Supervision	0180-017	0 \$49,500	0180-0270	\$42,00
Directional Services Includes Vertical Control	0180-017			
Equipment Rental	0180-018		0180-0280	
Vell / Lease Legal	0180-018		0180-0284 0180-0285	
Vell / Lease Insurance	0180-018		0180-0288	
ntangible Supplies	0180-019		0180-0290	
Damages ROW & Easements	0180-019		0180-0292	
Pipeline Interconnect	1		0180-0293	
Company Supervision	0180-019	\$158,400	0180-0295	\$134,40
Overhead Fixed Rate	0180-019	\$10,000	0180-0296	\$20,00
Vell Abandonment	0180-019		0180-0298	
Contingencies 10% (TCP) 10% (CC)	0180-019	99 \$257,300	0180-0299	
TOTAL		\$2,830,200		\$7,157,30
TANGIBLE COSTS 0181				
Casing (19.1" - 30")	0181-079			
Casing (10.1" - 19.0") 175' - 13 3/8" 54.5# J-55 ST&C @ \$35.90/ft	0181-07			
Casing (8.1" - 10.0") 2450' - 9 5/8" 40# N-80 LT&C @ \$27.61/ft	0181-07			
Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft	0181-07	96 \$289,700	0181-079	7 \$142,30
Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft	-		0181-079	
Drilling Head	0181-08	60 \$40,000		7.03
Tubing Head & Upper Section	1		0181-087	0 \$50,00
Horizontal Completion Tools Completion Liner Hanger			0181-087	1 \$70,0
Sucker Rods			0181-087	5
Subsurface Equipment			0181-088	
Artificial Lift Systems Gas Lift Valves			0181-088	
Pumping Unit			0181-088	
Surface Pumps & Prime Movers 1/2 VRU/SWD Pump/Circ Pump	-		0181-088	
Tanks - Oil 3 - 750 bbl Tanks - Water 3 - 750 bbl	-		0181-089	
Separation / Treating Equipment 30"x10'x1k# 3 ph/36"x15'x1k# Hor 3ph/Gun bbl	-		0181-089	
Heater Treaters, Line Heaters 8'x20'x75# HT	-		0181-089	
Metering Equipment			0181-089	
Line Pipe & Valves - Gathering			0181-090	00
Fittings / Valves & Accessories			0181-090	
Cathodic Protection	_		0181-090	
Electrical Installation			0181-090	
Equipment Installation			0181-09	
Pipeline Construction				
TOTAL		\$408,80	00	\$722,
SUBTOTA	L L	\$3,239,00	00	\$7,880,
TOTAL WELL COST		\$11	,119,200	
Extra Expense Insurance I elect to be covered by Operator's Extra Expense Insurance and pay my prop Operator has secured Extra Expense Insurance covering costs of well control, clea I elect to purchase my own well control insurance policy.	in up and re	edrilling as estimate	u m. d in Line Ite	m 0180-0185.
If neither box is checked above, non-operating working interest owner elects to be covered by Operator's well co	ntrol insuran	ce.		
1,10,000	ate: _4/20	0/2018		
milte	-to: 4/01	/2040		
Company Approvai: Da	ate: _4/23	3/2018		
Joint Owner Interest: 2.04431800% Amount: \$227,311.81 Joint Owner Name: Costilla Energy, Inc. Signature:	ne. 4/23	JI ZU 10		



Date: May 3, 2018

Simple Certified:

The following is in response to your May 3, 2018 request for delivery information on your Certified Mail™/RRE item number 9414810699945031155518. The delivery record shows that this item was delivered on May 3, 2018 at 1:34 pm in MIDLAND, TX 79701. The scanned image of the recipient information is provided below.

Signature of Recipient:

Address of Recipient:

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely, United States Postal Service

> Costilla Energy, Inc 400 W ILLINOIS AVE STE 1000 400 W Illinois, Suite 1000 MIDLAND, TX 79701 Reference #: Chicago 9/8 PM CM Item ID: Chicago 9 8 PM

FASKEN CENTER 500 WEST TEXAS, SUITE 1020 MIDLAND, TX 79701

TELEPHONE (432) 682-3715 FACSIMILE (432) 685-4170

May 1, 2018

<u>Via Certified Mail</u>

Costilla Energy, Inc. P.O. Box 10369 Midland, TX 79702

Re: Chicago 9/8 W0IL Fee #1H
2300' FNL & 330' FEL (SL: Section 9)
2200' FNL & 330' FWL (BHL: Section 8)
Section 9/8, T24S, R28E
Eddy County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company as Operator hereby proposes to drill the captioned well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,482 feet subsurface to evaluate the Wolfcamp Formation. The proposed well will have a measured depth (MD) of approximately 19,520 feet. The S/2 of the captioned Section 9 and the S/2 of the captioned Section 8 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling is our AFE dated April 20, 2018 for the captioned proposed well. In the event that you elect to participate in the proposed well, please execute the enclosed AFE and return to me within thirty (30) days. Our Joint Operating Agreement to follow should you elect to participate.

Should you have any questions regarding the above, please email me at cmccurdy@mewbourne.com or call me at (432) 682-3715.

Sincerely,

MEWBOURNE OIL COMPANY

Cole McCurdy Petroleum Landman

AUTHORIZATION FOR EXPENDITURE

Well Name: Chicago 9/8 W0IL Fee #1H		Prosp	ect: Wolf	camp		
Location: SL: 2300' FNL & 330' FEL (9); BHL: 2200' FSL & 330' FWL	. (8)	Col	County: Eddy			ST: NM
Sec. 9 Bik: Survey:	TWP:	248		BE Prop. TVD:	9482	TMD: 19520
out of bitter		240	10. 20		3402	TWD. 19020
INTANGIBLE COSTS 0180		ļ	CODE	TCP	CODE	CC
Regulatory Permits & Surveys Location / Road / Site / Preparation			0180-0100	\$10,000 \$60,000	0180-0200	\$25,000
Location / Restoration			0180-0106	\$200,000		\$30,000
Daywork / Turnkey / Footage Drilling 30 days drlg / 4 days comp @	\$21,000/d		0180-0110	\$673,000		\$89,700
Fuel 1500 gal/day @ 2.63/gal			0180-0114	\$145,800		\$520,000
Mud, Chemical & Additives Horizontal Drillout Services			0180-0120	\$230,000		000 000
Cementing			0180-0125		0180-0222 0180-0225	\$220,000 \$30,000
Logging & Wireline Services			0180-0130		0180-0230	\$480,000
Casing / Tubing / Snubbing Service			0180-0134		0180-0234	\$90,000
Mud Logging			0180-0137	\$30,000		40.005.000
Stimulation 61 Stg 24.9 MM gal / 24.9 MM Stimulation Rentals & Other	ID				0180-0241 0180-0242	\$3,625,000 \$200,000
Water & Other			0180-0145	\$50,000	0180-0245	\$770,000
Bits			0180-0148		0180-0248	\$8,000
Inspection & Repair Services			0180-0150		0180-0250	\$5,000
Misc. Air & Pumping Services			0180-0154		0180-0254	\$10,000
Testing & Flowback Services Completion / Workover Rig			0180-0158	Φ10,000	0180-0258 0180-0260	\$30,000 \$10,500
Rig Mobilization			0180-0164	\$120,000	3,30,0200	\$10,000
Transportation			0180-0165	\$20,000	0180-0265	\$20,000
Welding Services			0180-0168		0180-0268	
Contract Services & Supervision Directional Services Includes Vertical Control			0180-0170	\$49,500 \$273,000	0180-0270	\$42,000
Equipment Rental			0180-0180		0180-0280	\$30,000
Well / Lease Legal			0180-0184	\$5,000	0180-0284	
Well / Lease Insurance			0180-0185		0180-0285	
Intangible Supplies			0180-0188	\$8,000		
Damages ROW & Easements			0180-0190		0180-0290 0180-0292	
Pipeline Interconnect			0100 0102		0180-0293	
Company Supervision			0180-0195		0180-0295	
Overhead Fixed Rate			0180-0196	\$10,000	0180-0296	
Well Abandonment Contingencies 10% (TCP) 10% (CC)			0180-0198 0180-0199	\$257.300	0180-0298 0180-0299	
Contingencies 10% (10F) 10% (CC)		TOTAL	0100-0199	\$2,830,200		\$7,157,300
TANGIBLE COSTS 0181				7-,,		77,101,000
Casing (19.1" - 30")			0181-0793			
Casing (10.1" - 19.0") 175' - 13 3/8" 54.5# J-55 ST&C @ \$35.90/ft			0181-0794	\$6,800		
Casing (8.1" - 10.0") 2450' - 9 5/8" 40# N-80 LT&C @ \$27.61/ft			0181-0795	\$72,300		
Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft			0181-0796	\$289,700		#140.200
Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft					0181-0 7 97 0181-0798	
Drilling Head			0181-0860	\$40,000		ψ 10,000
Tubing Head & Upper Section					0181-0870	
Horizontal Completion Tools Completion Liner Hanger			ļ		0181-0871	
Sucker Rods Subsurface Equipment			-		0181-0875	
Artificial Lift Systems Gas Lift Valves					0181-0884	
Pumping Unit					0181-0885	
Surface Pumps & Prime Movers 1/2 VRU/SWD Pump/Circ Pump)				0181-0886	
Tanks - Oil 3 - 750 bbl					0181-0890	
Tanks - Water 3 - 750 bbl Separation / Treating Equipment 30"x10'x1k# 3 ph/36"x15'x1k#	for 3nh/G	un hhl			0181-089	
Heater Treaters, Line Heaters 8'x20'x75# HT	.c. opii/G	an DDI			0181-0897	
Metering Equipment					0181-0898	
Line Pipe & Valves - Gathering				<u> </u>	0181-090	
Fittings / Valves & Accessories Cathodic Protection			-		0181-090	
Electrical Installation					0181-090	
Equipment Installation					0181-091	0 \$50,000
Pipeline Construction					0181-092	0
		TOTAL	-	\$408,80	0	\$722,900
	su	BTOTAL	-	\$3,239,00	0	\$7,880,200
TOTAL	WELL	COST		\$11	119,200	
Extra Expense Insurance		-		ΨΤΤ	, 110,200	
<u> </u>	o and nav	my propo	ortionato cha	ro of the promis	m	
I elect to be covered by Operator's Extra Expense Insurance Operator has secured Extra Expense Insurance covering costs	of well con	itrol, clean	n up and redri	lling as estimated	iii. I in Line Iten	n 0180-0185.
I elect to purchase my own well control insurance policy.		,				
	1 hu 0	rlo wall	trol income			
If neither box is checked above, non-operating working interest owner elects to be covered	uy Operato	s well con	moi insurance.			
Prepared by: B. Talley		Date	e: 4/20/20	18		
Company Approval: M. whittee		Dat	e: 4/23/20	18		
Joint Owner Interest: 2.04431800% Amount: \$227,311.81		ature:				

endicia.com



US POSTAGE AND FEES PAID

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USPS CERTIFIED MAIL



Costilla Energy, Inc PO BOX 10369 PO BOX 10369 MIDLAND TX 79702-7369

Մվիկտուկումիրի փորբիրի հուրարումիրություն

731 DE 1040 NIXIE

9106/11/18 RETURN TO SENDER UNCLAIMED UNABLE TO FORWARD

8C: 79701427979 2326M163894-01353

Cole McCurdy 500 W TEXAS AVE STE 1020 MIDLAND TX 79701-4279 Mewbourne Oil Company

Chicago 9 8 PM

FASKEN CENTER 500 WEST TEXAS, SUITE 1020 MIDLAND, TX 79701

TELEPHONE (432) 682-3715 FACSIMILE (432) 685-4170

May 1, 2018

Via Certified Mail

R. C. Roberts P.O. Box 640 Gilmer, TX 75644

Re: Chicago 9/8 WOIL Fee #1H
2300' FNL & 330' FEL (SL: Section 9)
2200' FNL & 330' FWL (BHL: Section 8)
Section 9/8, T24S, R28E
Eddy County, New Mexico

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Sincerely,

MEWBOURNE OIL COMPANY

Cole McCurdy

Petroleum Landman

AUTHORIZATION FOR EXPENDITURE

	Jeor.	Wolfc	аптр		
ocation: SL: 2300' FNL & 330' FEL (9); BHL: 2200' FSL & 330' FWL (8)	unty:	Eddy			ST: NM
ec. 9 Blk: Survey: TWP: 24S	RNO	3: 28E	Prop. TVD	9482	TMD: 19520
	<u> </u>	- =			
INTANGIBLE COSTS 0180	COL		TCP	CODE	CC
egulatory Permits & Surveys cation / Road / Site / Preparation	0180-0			0180-0200 0180-0205	\$25,000
cation / Restoration	0180-0		\$200,000		\$30,000
aywork / Turnkey / Footage Drilling 30 days drlg / 4 days comp @ \$21,000/d	0180-0		\$673,000		\$89,700
1500 gal/day @ 2.63/gal	0180-0		\$145,800		\$520,000
ud, Chemical & Additives	0180-0	120	\$230,000	0180-0220	
orizontal Drillout Services				0180-0222	\$220,000
ementing	0180-0			0180-0225	\$30,000
ogging & Wireline Services	0180-0			0180-0230	\$480,000
asing / Tubing / Snubbing Service	0180-		\$20,000	0180-0234	\$90,000
ud Logging imulation 61 Stg 24.9 MM gal / 24.9 MM lb	0180-	3137		0180-0241	\$3,625,000
timulation Rentals & Other	 			0180-0241	\$200,000
/ater & Other	0180-	0145	\$50,000	0180-0245	\$770,000
ts	0180-			0180-0248	\$8,000
spection & Repair Services	0180-			0180-0250	\$5,000
isc. Air & Pumping Services	0180-			0180-0254	\$10,00
esting & Flowback Services	0180-	0158	\$15,000	0180-0258	\$30,00
ompletion / Workover Rig				0180-0260	\$10,50
ig Mobilization	0180-		\$120,000		
ransportation	0180-			0180-0265	
Velding Services	0180-			0180-0268	
ontract Services & Supervision	0180-			0180-0270	\$42,00
irectional Services Includes Vertical Control	0180-		\$273,000	0180-0280	\$30,00
quipment Rental	0180-			0180-0280	
Vell / Lease Legal Vell / Lease Insurance	0180-			0180-0284	
	0180			0180-0288	
ntangible Supplies	0180		φ0,000	0180-0200	
examages ROW & Easements		-0192		0180-0292	
Pipeline Interconnect	10100	0102		0180-0293	
Company Supervision	0180	-0195	\$158.400	0180-0295	
Overhead Fixed Rate		-0196		0180-0296	
Veil Abandonment		-0198		0180-0298	
Contingencies 10% (TCP) 10% (CC)		-0199	\$257,300	0180-0299	
TOTAL	-		\$2,830,200		\$7,157,30
TANGIBLE COSTS 0181					
Casing (19.1" - 30")	0181	-0793			
Casing (10.1" - 19.0") 175' - 13 3/8" 54.5# J-55 ST&C @ \$35.90/ft		-0794	\$6,800		
Casing (8.1" - 10.0") 2450' - 9 5/8" 40# N-80 LT&C @ \$27.61/ft	0181	-0795	\$72,300		
Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft	0181	-0796	\$289,700		
Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft				0181-0797	7 \$142,30
	II.			0181-0798	\$45,60
Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft		-0860		NII .	1
Drilling Head	0181		\$40,000	1	
Drilling Head Tubing Head & Upper Section	0181		\$40,000	0181-0870	
Orilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger	0181		\$40,000	0181-0870 0181-087	1 \$70,00
Drilling Head Fubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Sucker Rods	0181		\$40,000	0181-087 0181-087 0181-087	1 \$70,00 5
Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Sucker Rods Subsurface Equipment	0181		\$40,000	0181-087 0181-087 0181-088	1 \$70,00 5 0
Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Sucker Rods Subsurface Equipment Artificial Lift Systems Gas Lift Valves	0181		\$40,000	0181-0870 0181-0870 0181-0870 0181-0880 0181-0880	1 \$70,00 5 0 4 \$15,00
Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Sucker Rods Subsurface Equipment Artificial Lift Systems Gas Lift Valves Pumping Unit	0181		\$40,000	0181-087 0181-087 0181-088 0181-088 0181-088	1 \$70,00 5 0 4 \$15,00
Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Sucker Rods Subsurface Equipment Artificial Lift Systems Gas Lift Valves Pumping Unit Surface Pumps & Prime Movers 1/2 VRU/SWD Pump/Circ Pump	0181		\$40,000	0181-087 0181-087 0181-088 0181-088 0181-088 0181-088	1 \$70,00 5 0 0 4 \$15,00 5 6 \$35,00
Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Sucker Rods Subsurface Equipment Artificial Lift Systems Gas Lift Valves Pumping Unit Surface Pumps & Prime Movers 1/2 VRU/SWD Pump/Circ Pump Tanks - Oil 3 - 750 bbl	0181		\$40,000	0181-087 0181-087 0181-088 0181-088 0181-088 0181-088 0181-088	1 \$70,00 5 0 0 4 \$15,00 5 6 \$35,00 0 \$55,00
Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Sucker Rods Subsurface Equipment Artificial Lift Systems Gas Lift Valves Pumping Unit Surface Pumps & Prime Movers 1/2 VRU/SWD Pump/Circ Pump Tanks - Oil 3 - 750 bbl Tanks - Water 3 - 750 bbl	0181			0181-087(0181-087; 0181-088; 0181-088; 0181-088; 0181-088; 0181-089; 0181-089;	1 \$70,00 5 0 4 \$15,00 5 6 \$35,00 0 \$55,00 1 \$60,0
Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Sucker Rods Subsurface Equipment Artificial Lift Systems Gas Lift Valves Pumping Unit Surface Pumps & Prime Movers 1/2 VRU/SWD Pump/Circ Pump Tanks - Oil 3 - 750 bbl Tanks - Water 3 - 750 bbl Separation / Treating Equipment 30"x10'x1k# 3 ph/36"x15'x1k# Hor 3ph/Gun bbl	0181			0181-087(0181-087(0181-088) 0181-088(0181-088) 0181-088(0181-089) 0181-089 0181-089	1 \$70,00 5 0 4 \$15,00 5 6 \$35,00 0 \$55,00 1 \$60,0 5 \$45,0
Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Oil Tanks - Water Separation / Treating Equipment Heater Treaters, Line Heaters Completion Liner Hanger Completion Liner Hanger Supplement Artificial Lift Systems Gas Lift Valves 1/2 VRU/SWD Pump/Circ Pump 3 - 750 bbl 3 - 750 bbl 3 - 750 bbl Separation / Treating Equipment 8'x20'x75# HT	0181			0181-087(0181-087; 0181-088; 0181-088; 0181-088; 0181-088; 0181-089; 0181-089;	1 \$70,00 5 0 0 4 \$15,00 6 \$35,00 0 \$55,00 1 \$60,00 5 \$45,0
Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Oil Tanks - Water Separation / Treating Equipment Heater Treaters, Line Heaters Metering Equipment Tuber Completion Liner Hanger Completion Liner Hanger Sempletion Liner Hanger Authorize Hanger Sas Lift Valves Fas Lift Valves 1/2 VRU/SWD Pump/Circ Pump 3 - 750 bbl 3 - 750 bbl 3 - 750 bbl Separation / Treating Equipment Heater Treaters, Line Heaters 8'x20'x75# HT	0181			0181-087(0181-087(0181-088) 0181-088 0181-088 0181-088 0181-089 0181-089 0181-089 0181-089	1 \$70,00 5 0 0 4 \$15,00 5 6 \$35,00 0 \$55,00 1 \$60,00 5 \$45,0 7 \$23,0 8 \$14,0
Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Oil Tanks - Water Separation / Treating Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe & Valves - Gathering Completion Liner Hanger Completion Liner Hanger Activity Aller Hanger Sas Lift Valves Fas Lift Valves Fas Lift Valves 1/2 VRU/SWD Pump/Circ Pump 3 - 750 bbl 3 - 750 bbl 3 - 750 bbl 8'x20'x75# HT	0181			0181-087(0181-087(0181-088) 0181-088 0181-088 0181-088 0181-089 0181-089 0181-089 0181-089	1 \$70,00 5 0 4 \$15,00 5 \$35,00 0 \$55,00 1 \$60,00 5 \$45,0 7 \$23,0 8 \$14,0
Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Oil Tanks - Water Separation / Treating Equipment Heater Treaters, Line Heaters Metering Equipment Tuber Completion Liner Hanger Completion Liner Hanger Sempletion Liner Hanger Authorize Hanger Sas Lift Valves Fas Lift Valves 1/2 VRU/SWD Pump/Circ Pump 3 - 750 bbl 3 - 750 bbl 3 - 750 bbl Separation / Treating Equipment Heater Treaters, Line Heaters 8'x20'x75# HT	0181			0181-087(0181-087(0181-088) 0181-088 0181-088 0181-089 0181-089 0181-089 0181-089 0181-089 0181-089	1 \$70,00 5 0 4 \$15,00 5 \$35,00 0 \$55,00 1 \$60,0 5 \$45,0 7 \$23,0 8 \$14,0 0 \$60,0 8 \$60,0
Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Oil Tanks - Water Separation / Treating Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe & Valves - Gathering Fittings / Valves & Accessories Completion Liner Hanger Completion Liner Hanger Cas Lift Valves Gas Lift Valves Pump/Circ Pump 3 - 750 bbl 3 - 750 bbl 30"x10'x1k# 3 ph/36"x15'x1k# Hor 3ph/Gun bbl 8'x20'x75# HT	0181			0181-087(0181-088- 0181-088- 0181-088- 0181-088- 0181-089- 0181-089- 0181-089- 0181-089- 0181-089- 0181-090- 0181-090- 0181-090-	1 \$70,00 5 0 0 4 \$15,00 5 6 \$35,00 0 \$55,00 1 \$60,00 5 \$45,0 7 \$23,0 8 \$14,0 0 \$60,0 8 \$60,0 8 \$8,0 9 \$50,0
Drilling Head Fubing Head & Upper Section Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Oil Tanks - Water Separation / Treating Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe & Valves - Gathering Fittings / Valves & Accessories Cathodic Protection Electrical Installation Equipment Installation Completion Liner Hanger Completion Liner Hanger Campletion Line	0181			0181-087(0181-088- 0181-088- 0181-088- 0181-088- 0181-089- 0181-089- 0181-089- 0181-089- 0181-090- 0181-090- 0181-090- 0181-090-	1 \$70,00 5 0 0 4 \$15,00 5 6 \$35,00 0 \$55,0 1 \$60,0 5 \$45,0 7 \$23,0 8 \$14,0 0 \$60,0 1 \$60,0 1 \$23,0 1 \$23,0
Drilling Head Fubing Head & Upper Section Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Oil Tanks - Water Separation / Treating Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe & Valves - Gathering Fittings / Valves & Accessories Cathodic Protection Electrical Installation Equipment Installation Completion Liner Hanger Completion Liner Hanger Campletion Line	0181			0181-087(0181-088- 0181-088- 0181-088- 0181-088- 0181-089- 0181-089- 0181-089- 0181-089- 0181-089- 0181-090- 0181-090- 0181-090-	1 \$70,00 5 0 0 4 \$15,00 5 6 \$35,00 0 \$55,00 1 \$60,00 5 \$45,0 7 \$23,0 8 \$14,0 0 \$60,0 0 \$50,0 0 \$50,0
Drilling Head Fubing Head & Upper Section Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Oil Tanks - Water Separation / Treating Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe & Valves - Gathering Fittings / Valves & Accessories Cathodic Protection Electrical Installation Equipment Installation Completion Liner Hanger Cas Lift Valves Gas Lift Valves Fas Lift Valves As Lift Valves Fas Lift Valves As Lift Valves 1/2 VRU/SWD Pump/Circ Pump 3 - 750 bbl 3 - 750 bbl 3 - 750 bbl 3 - 750 bbl Separation / Treating Equipment 30"x10'x1k# 3 ph/36"x15'x1k# Hor 3ph/Gun bbl B'x20'x75# HT Metering Equipment Electrical Installation Equipment Installation				0181-087 0181-087 0181-088 0181-088 0181-088 0181-089 0181-089 0181-089 0181-089 0181-090 0181-090 0181-090 0181-090 0181-090 0181-090	1 \$70,00 5 0 0 4 \$15,00 5 6 \$35,00 0 \$55,00 1 \$60,00 5 \$45,0 7 \$23,0 8 \$14,0 0 \$60,0 0 \$50,0 0 \$50,0
Drilling Head Fubing Head & Upper Section Horizontal Completion Tools Gucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Oil Tanks - Water Separation / Treating Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe & Valves - Gathering Fittings / Valves & Accessories Cathodic Protection Electrical Installation Equipment Installation Pipeline Construction Completion Liner Hanger Artificial Lift Systems 1/2 VRU/SWD Pump/Circ Pump 3 - 750 bbl 3 - 750 bbl 30"x10'x1k# 3 ph/36"x15'x1k# Hor 3ph/Gun bbl 8'x20'x75# HT Metering Equipment Line Pipe & Valves & Accessories Cathodic Protection Electrical Installation Equipment Installation Pipeline Construction			\$408,80	0181-087(0181-088- 0181-088- 0181-088- 0181-089- 0181-089- 0181-089- 0181-089- 0181-089- 0181-090- 0181-090- 0181-090- 0181-090- 0181-090- 0181-090- 0181-090- 0181-090- 0181-090-	1 \$70,00 5 0 0 4 \$15,00 5 6 \$35,00 0 \$55,00 1 \$60,00 5 \$45,0 7 \$23,0 8 \$14,0 0 \$60,0 10 \$60,0 10 \$60,0 10 \$60,0 10 \$60,0 10 \$50,0 10 \$50,0 1
Orilling Head Tubing Head & Upper Section Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Fanks - Oil Fanks - Water Separation / Treating Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe & Valves - Gathering Fittings / Valves & Accessories Cathodic Protection Electrical Installation Equipment Installation Equipment Construction TOTA SUBTOTA			\$408,80 \$3,239,00	0181-087 0181-088 0181-088 0181-088 0181-088 0181-089 0181-089 0181-089 0181-089 0181-090 0181-090 0181-090 0181-090 0181-090 0181-090 0181-090	1 \$70,00 5 0 0 4 \$15,00 6 \$35,00 0 \$55,00 1 \$60,0 5 \$45,0 7 \$23,0 8 \$14,0 0 \$60,0 10 \$60,0 11 \$60,0 11 \$60,0 12 \$60,0 13 \$60,0 14 \$60,0 15 \$45,0 16 \$60,0 17 \$23,0 18 \$8,0 19 \$50,0 10 \$50,0 10 \$722,5 \$7,880,2
Drilling Head Fubing Head & Upper Section Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Oil Tanks - Oil Tanks - Water Separation / Treating Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe & Valves - Gathering Fittings / Valves & Accessories Cathodic Protection Electrical Installation Pipeline Construction TOTA SUBTOTA TOTAL WELL COST Extra Expense Insurance I elect to be covered by Operator's Extra Expense Insurance and pay my prof Operator has secured Extra Expense Insurance policy.	LL cortiona	ate shar	\$408,80 \$3,239,00 \$11	0181-087(0181-088- 0181-088- 0181-088- 0181-089- 0181-089- 0181-089- 0181-089- 0181-090-	1 \$70,00 5 0 0 4 \$15,00 5 \$35,00 0 \$55,00 1 \$60,00 5 \$45,0 7 \$23,0 8 \$14,0 0 \$60,0 18 \$8,0 19 \$50,0 10 \$50,0 10 \$722,5 \$7,880,2
Drilling Head Fubing Head & Upper Section Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Oil Tanks - Water Tanks - Water Separation / Treating Equipment Heater Treaters, Line Heaters Metering Equipment Line Pipe & Valves - Gathering Filtings / Valves - Accessories Cathodic Protection Electrical Installation Equipment Installation Pipeline Construction TOTAL SUBTOTA TOTAL WELL COST I elect to be covered by Operator's Extra Expense Insurance and pay my prof Operator has secured Extra Expense Insurance covering costs of well control, clear I elect to purchase my own well control insurance policy. If neither box is checked above, non-operating working interest owner elects to be covered by Operator's well co	LL coortiona an up ar	ate shar	\$408,80 \$3,239,00 \$11 e of the premiting as estimate	0181-087(0181-088- 0181-088- 0181-088- 0181-089- 0181-089- 0181-089- 0181-089- 0181-090-	1 \$70,00 5 0 0 4 \$15,00 5 \$35,00 0 \$55,00 1 \$60,00 5 \$45,0 7 \$23,0 8 \$14,0 0 \$60,0 18 \$8,0 19 \$50,0 10 \$50,0 10 \$722,5 \$7,880,2
Drilling Head Fubing Head & Upper Section Horizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Pumping Unit Surface Pumps & Prime Movers Tanks - Oil Tanks - Water Separation / Treating Equipment Alter Treating Equipment Alter Treating Equipment Line Pipe & Valves - Gathering Fittings / Valves & Accessories Cathodic Protection Electrical Installation Equipment Installation Equipment Construction TOTAL SUBTOTA TOTAL WELL COST Extra Expense Insurance and pay my profoperator's secured by Operator's well control, clear I elect to purchase my own well control insurance policy. If neither box is checked above, non-operating working interest owner elects to be covered by Operator's well controls well controls in the control of the covered by Operator's well controls well controls in the covered by Operator's well controls in t	LL coortiona an up ar	ate shar	\$408,80 \$3,239,00 \$11 e of the premiting as estimate	0181-087(0181-088- 0181-088- 0181-088- 0181-089- 0181-089- 0181-089- 0181-089- 0181-090-	1 \$70,00 5 0 0 4 \$15,00 5 \$35,00 0 \$55,00 1 \$60,00 5 \$45,0 7 \$23,0 8 \$14,0 0 \$60,0 18 \$8,0 19 \$50,0 10 \$50,0 10 \$722,5 \$7,880,2
Orilling Head Tubing Head & Upper Section Torizontal Completion Tools Sucker Rods Subsurface Equipment Artificial Lift Systems Cumping Unit Surface Pumps & Prime Movers Tanks - Oil Tanks - Oil Tanks - Water Separation / Treating Equipment Heaters Treaters, Line Heaters Since Pipe & Valves - Gathering Fittings / Valves & Accessories Cathodic Protection Equipment Installation Pipeline Construction TOTAL Extra Expense Insurance I elect to be covered by Operator's Extra Expense Insurance and pay my propoperator has secured Extra Expense Insurance covering costs of well control, cleater I elect to purchase my own well control insurance policy. If neither box is checked above, non-operating working interest owner elects to be covered by Operator's well control working interest owner elects to be covered by Operator's well control insurance policy. The prepared by Prepared by B. Talley Date of Tanks - Valves - Completion Liner Hanger Substituted Hanger Completion Liner Hanger Substituted Hanger Completion Liner Hanger Substituted Hanger Substi	oortiona an up ar antrol ins	ate shar	\$408,80 \$3,239,00 \$11 e of the premiu	0181-087(0181-088- 0181-088- 0181-088- 0181-089- 0181-089- 0181-089- 0181-089- 0181-090-	1 \$70,00 5 0 0 4 \$15,00 5 \$35,00 0 \$55,0 1 \$60,0 5 \$45,0 7 \$23,0 8 \$14,0 0 \$60,0 18 \$8,0 19 \$50,0 10 \$50,0 10 \$722,5 \$7,880,7

US POSTAGE AND FEES PAID

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7205/12/18 NOT DELIVERABLE AS ADDRESSED DE 1949 773

Cole McCurdy 500 W TEXAS AVE STE 1020 MIDLAND TX 79701-4279 Mewbourne Oil Company

Chicago 9 8 PM

FASKEN CENTER
500 WEST TEXAS, SUITE 1020
MIDLAND, TX 79701

TELEPHONE (432) 682-3715 FACSIMILE (432) 685-4170

May 1, 2018

Via Certified Mail

Estate of Dorothy Holder Roberts 418 Forest Hills Drive League City, TX 77573

Re: Chicago 9/8 W0IL Fee #1H

2300' FNL & 330' FEL (SL: Section 9) 2200' FNL & 330' FWL (BHL: Section 8)

Section 9/8, T24S, R28E Eddy County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company as Operator hereby proposes to drill the captioned well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,482 feet subsurface to evaluate the Wolfcamp Formation. The proposed well will have a measured depth (MD) of approximately 19,520 feet. The S/2 of the captioned Section 9 and the S/2 of the captioned Section 8 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling is our AFE dated April 20, 2018 for the captioned proposed well. In the event that you elect to participate in the proposed well, please execute the enclosed AFE and return to me within thirty (30) days. Our Joint Operating Agreement to follow should you elect to participate.

Should you have any questions regarding the above, please email me at cmccurdy@mewbourne.com or call me at (432) 682-3715.

Sincerely,

MEWBOURNE OIL COMPANY

Cole McCurdy Petroleum Landman

AUTHORIZATION FOR EXPENDITURE

Well Name: Chicago 9/8 W0IL Fee #1H	ospe	ect: Wolf	camp		
Location: SL: 2300' FNL & 330' FEL (9); BHL: 2200' FSL & 330' FWL (8)	Соц	ounty: Eddy			ST: NM
Sec. 9 Bik: Survey: TWP: 249	s	RNG: 28	E Prop. TVD	9482	TMD: 19520
INTANGIBLE COSTS 0180		CODE	ТСР	CODE	СС
Regulatory Permits & Surveys		0180-0100		0180-0200	
ocation / Road / Site / Preparation		0180-0105		0180-0205	\$25,000
ocation / Restoration		0180-0106	\$200,000		\$30,000
Daywork / Turnkey / Footage Drilling 30 days drlg / 4 days comp @ \$21,000/d Fuel 1500 gal/day @ 2.63/gal		0180-0110	\$673,000 \$145,800		\$89,700 \$520,000
Mud, Chemical & Additives	(-	0180-0114	\$230,000		φ320,000
Horizontal Drillout Services				0180-0222	\$220,000
Cementing		0180-0125		0180-0225	\$30,000
ogging & Wireline Services		0180-0130 0180-0134		0180-0230 0180-0234	\$480,000 \$90,000
Casing / Tubing / Snubbing Service Mud Logging		0180-0134	\$30,000	0100-0234	\$90,000
Stimulation 61 Stg 24.9 MM gal / 24.9 MM lb		0.000.	400,000	0180-0241	\$3,625,000
Stimulation Rentals & Other				0180-0242	\$200,000
Water & Other		0180-0145		0180-0245	\$770,000
Bits		0180-0148 0180-0150		0180-0248 0180-0250	
Inspection & Repair Services Misc. Air & Pumping Services		0180-0154	φ40,000	0180-0254	
Testing & Flowback Services		0180-0158	\$15,000	0180-0258	
Completion / Workover Rig				0180-0260	\$10,500
Rig Mobilization		0180-0164	\$120,000	0400	200 555
Transportation		0180-0165 0180-0168		0180-0265 0180-0268	
Welding Services		0180-0168		0180-0260	
Contract Services & Supervision Directional Services Includes Vertical Control		0180-0175	\$273,000		ψ (E1000
Equipment Rental		0180-0180	\$256,900	0180-0280	
Well / Lease Legal		0180-0184		0180-0284	
Well / Lease Insurance		0180-0185		0180-0285	
Intangible Supplies		0180-0188 0180-0190	\$8,000	0180-0288	
Damages ROW & Easements		0180-0192		0180-0292	
Pipeline Interconnect				0180-0293	\$100,000
Company Supervision		0180-0195		0180-029	
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	
Well Abandonment		0180-0198	\$257.200	0180-029	
Contingencies 10% (TCP) 10% (CC)		0100-0199	\$2,830,200	1	\$7,157,300
TANGIBLE COSTS 0181			\$2,000,200		
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0") 175' - 13 3/8" 54.5# J-55 ST&C @ \$35.90/ft		0181-0794			
Casing (8.1" - 10.0") 2450' - 9 5/8" 40# N-80 LT&C @ \$27.61/ft		0181-0795			
Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft		0181-0796	\$289,700	0181-079	7 \$142,300
Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft		<u> </u>		0181-079	
Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Drilling Head		0181-0860	\$40,000		7.12,222
Tubing Head & Upper Section				0181-087	
Horizontal Completion Tools Completion Liner Hanger				0181-087	
Sucker Rods				0181-087	
Subsurface Equipment Artificial Lift Systems Gas Lift Valves		-		0181-088	
Pumping Unit				0181-088	
Surface Pumps & Prime Movers 1/2 VRU/SWD Pump/Circ Pump				0181-088	
Tanks - Oil 3 - 750 bbl			ļ <u>.</u>	0181-089	
Tanks - Water 3 - 750 bbl	1- 1			0181-089	
Separation / Treating Equipment 30"x10'x1k# 3 ph/36"x15'x1k# Hor 3ph/Gun bl Heater Treaters. Line Heaters 8'x20'x75# HT	DI	-	-	0181-089	
Heater Treaters, Line Heaters 8'x20'x75# HT Metering Equipment		-		0181-089	
Line Pipe & Valves - Gathering				0181-090	
Fittings / Valves & Accessories				0181-09	
Cathodic Protection		-		0181-09	
Electrical Installation		_		0181-09	
Equipment Installation Pipeline Construction		1		0181-09	
	TAL		\$408,80	00	\$722,90
SUBTO			\$3,239,0		\$7,880,20
TOTAL WELL COS	ST		\$11	,119,200)
Extra Expense Insurance I elect to be covered by Operator's Extra Expense Insurance and pay my poperator has secured Extra Expense Insurance covering costs of well control, I elect to purchase my own well control insurance policy.	orope clea	o rtionate sh In Up and red	are of the premi rilling as estimate	um. ed in Line Ite	em 0180-0185.
	-11	minal in a			
If neither box is checked above, non-operating working interest owner elects to be covered by Operator's we	ell co	ntrol insurance			
If neither box is checked above, non-operating working interest owner elects to be covered by Operator's we Prepared by: B. Talley Company Approval:	Da	ntrol insurance ate: 4/20/2	018		



Date: May 9, 2018

Simple Certified:

The following is in response to your May 9, 2018 request for delivery information on your Certified Mail™/RRE item number 9414810699945031154214. The delivery record shows that this item was delivered on May 9, 2018 at 9:24 am in LEAGUE CITY, TX 77573. The scanned image of the recipient information is provided below.

Signature of Recipient:

Wesley Hoth Roberts Wesley Keigh Roberts

Address of Recipient:

418 Forest 41115 Pr.

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely, United States Postal Service

> Estate of Dorthy Holder Roberts 418 FOREST HILLS DR LEAGUE CITY, TX 77573 Reference #: Chicago 9/8 Prospect CM Item ID: Chicago 9 8 PM

From:

Cole McCurdy

Sent:

Tuesday, May 08, 2018 4:39 PM

To:

'kijuhy'

Subject:

RE: FW: R.C. Roberts Heirs

Keith,

Please scan the executed AFE's back to me if you want to participate. Give me a shout if you have any questions.

Thanks,

Cole

From: kijuhy [mailto:kijuhy@verizon.net] Sent: Monday, April 30, 2018 8:21 AM To: Cole McCurdy Subject: Re: FW: R.C. Roberts Heirs

Here are the recording details for the filing of the Texas probate documents with the County Clerk in Eddy County New Mexico.

filed date number type

book page grantor

grantees

08/20/2014 1408685 PROBATE 0989 0520

• IN THE MATTER

 ROBERTS, DOROTHY HOLDER

The trustee of the trust for Karen Roberts is: Carissa Brown

2509 Aspen St Longview, TX 75605-1917

Wesley Keith Roberts

On 4/9/2018 3:15 PM, Cole McCurdy wrote:

Please give me a call at (432) 682-3715. We need to discuss a few things regarding the interest and figure out the next steps based on your decision to either participate or assign the interest.

From: kijuhy [mailto:kijuhy@verizon.net] Sent: Monday, April 02, 2018 7:32 AM

To: Cole McCurdy

Subject: Re: FW: R.C. Roberts Heirs

From:

Cole McCurdy

Sent:

Monday, April 30, 2018 3:44 PM

To:

'kiiuhv'

Subject:

RE: FW: R.C. Roberts Heirs

That should get it in to you as an individual. Thanks for sending that over.

I also talked with my boss and if you want to be able to pick and choose which wells to participate in then you will still need to sign the JOA. You must participate in the initial well for the JOA to be binding as to your piece. All of this is covered in the non-consent section of the JOA.

Let me know if you want me to send over the JOA for your execution.

Also, any luck on finding phone numbers for the other siblings.

From: kijuhy [mailto:kijuhy@verizon.net] Sent: Monday, April 30, 2018 8:21 AM

To: Cole McCurdy

Subject: Re: FW: R.C. Roberts Heirs

Here are the recording details for the filing of the Texas probate documents with the County Clerk in Eddy County New Mexico.

filed date number type

book page grantor

grantees

08/20/2014 1408685 PROBATE 0989 0520

• IN THE MATTER

• ROBERTS, DOROTHY HOLDER

00/20/2011 1100003 1100211111 0707 0520

OF

The trustee of the trust for Karen Roberts is: Carissa Brown 2509 Aspen St Longview, TX 75605-1917

Wesley Keith Roberts

On 4/9/2018 3:15 PM, Cole McCurdy wrote:

Please give me a call at (432) 682-3715. We need to discuss a few things regarding the interest and figure out the next steps based on your decision to either participate or assign the interest.

From: kijuhy [mailto:kijuhy@verizon.net] Sent: Monday, April 02, 2018 7:32 AM

To: Cole McCurdy

Subject: Re: FW: R.C. Roberts Heirs

See attached.

On 3/28/2018 3:32 PM, Cole McCurdy wrote:

Were you able to track down that Farmout agreement?

From: Cole McCurdy

Sent: Tuesday, March 27, 2018 9:19 AM

To: 'kijuhy'

Subject: RE: R.C. Roberts Heirs

Please ignore the highlighted portions. We had done that for the Matson's.

From: kijuhy [mailto:kijuhy@verizon.net]
Sent: Monday, September 11, 2017 2:12 AM
To: Cole McCurdy

Subject: Re: R.C. Roberts Heirs

Here is a document filed in the Eddy County records that lists the heirs. If you need anything else please let me know.

DARRELL HOLDER ROBERTS 1823 LAUREL OAKS DR RICHMOND, TX 77469-4836

KAREN ROBERTS 891 WINDING TRAIL HOLLY LAKE RANCH, TX 75765

WESLEY KEITH ROBERTS 418 FOREST HILLS DR LEAGUE CITY, TX 77573

Thanks,

Keith

On 9/6/2017 10:52 AM, Cole McCurdy wrote:

Keith,

I am a Landman for Mewbourne Oil Company and I am trying to talk with the heirs of R.C. Roberts and Dorothy Roberts regarding an oil and gas interest they owned in Eddy County, NM. Mewbourne Oil Company has proposed to drill oil and gas wells with the tract that R.C. and Dorothy Roberts owned an interest. I have tried some old addresses we found for R.C. Roberts but they appear to be no good. Could you please help me out in getting some contact information for the heirs so I can send over the necessary paperwork regarding the interest in Eddy County, NM. Have a great day.

Thanks,

, , , ,

Cole McCurdy

Landman

Mewbourne Oil Company

500 West Texas Ave, Suite 1020

Midland, TX 79701-4279

Ph: 432-682-3715 / Fax: 432-685-4170

FASKEN CENTER 500 WEST TEXAS, SUITE 1020 MIDLAND, TX 79701

TELEPHONE (432) 682-3715 FACSIMILE (432) 685-4170

May 1, 2018

Via Certified Mail

Wesley Keith Roberts 418 Forest Hills Drive League City, TX 77573

Re: Chicago 9/8 WOIL Fee #1H
2300' FNL & 330' FEL (SL: Section 9)
2200' FNL & 330' FWL (BHL: Section 8)
Section 9/8, T24S, R28E
Eddy County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company as Operator hereby proposes to drill the captioned well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,482 feet subsurface to evaluate the Wolfcamp Formation. The proposed well will have a measured depth (MD) of approximately 19,520 feet. The S/2 of the captioned Section 9 and the S/2 of the captioned Section 8 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling is our AFE dated April 20, 2018 for the captioned proposed well. In the event that you elect to participate in the proposed well, please execute the enclosed AFE and return to me within thirty (30) days. Our Joint Operating Agreement to follow should you elect to participate.

Should you have any questions regarding the above, please email me at cmccurdy@mewbourne.com or call me at (432) 682-3715.

Sincerely,

MEWBOURNE OIL COMPANY

Cole McCurdy Petroleum Landman

AUTHORIZATION FOR EXPENDITURE

Well Name: Chicago 9/8 W0IL Fee #1H		Prosp	ect: Wo	lfcamp			
ocation: SL: 2300' FNL & 330' FEL (9); BHL: 2200' FSL & 330' FWL (8) County: Eddy			ST	: NVI			
Sec. 9 Blk: Survey:	TWP:	248	RNG: 2	28E Prop. TVD	9482	TMD:	19520
INTANGIBLE COSTS 0180							
Regulatory Permits & Surveys		ŀ	CODE 0180-0100	TCP \$10,000	CODE 0180-0200	-	CC
Location / Road / Site / Preparation			0180-0105		0180-0205		\$25,000
Location / Restoration			0180-0106	\$200,000			\$30,000
Daywork / Turnkey / Footage Drilling 30 days drlg / 4 days comp @ \$ Fuel 1500 gal/day @ 2.63/gal	321,000/d		0180-0110 0180-0114	\$673,000 \$145,800			\$89,700
Mud, Chemical & Additives			0180-0114				\$520,000
Horizontal Drillout Services					0180-0222		\$220,000
Cementing			0180-0125		0180-0225		\$30,000
Logging & Wireline Services Casing / Tubing / Snubbing Service			0180-0130 0180-0134		0180-0230 0180-0234		\$480,000
Mud Logging			0180-0137	\$30,000	0100-0204		φου,σου
Stimulation 61 Stg 24.9 MM gal / 24.9 MM II	b				0180-0241	\$	3,625,000
Stimulation Rentals & Other Water & Other			0180-0145		0180-0242 0180-0245	<u> </u>	\$200,000
Bits			0180-0148		0180-0248		\$770,000
Inspection & Repair Services			0180-0150		0180-0250		\$5,000
Misc. Air & Pumping Services			0180-0154		0180-0254		\$10,000
Testing & Flowback Services			0180-0158	\$15,000	0180-0258		\$30,000
Completion / Workover Rig Rig Mobilization			0180-0164	\$120,000	0180-0260	-	\$10,500
Transportation			0180-0165		0180-0265		\$20,000
Welding Services			0180-0168	\$5,000	0180-0268		\$15,000
Contract Services & Supervision			0180-0170		0180-0270		\$42,000
Directional Services Includes Vertical Control Equipment Rental			0180-0175		0180-0280		\$30,000
Well / Lease Legal			0180-0184		0180-0284		\$30,000
Well / Lease Insurance			0180-0185		0180-0285		
Intangible Supplies			0180-0188		0180-0288		\$1,000
Damages			0180-0190		0180-0290		#4.000
ROW & Easements Pipeline Interconnect			0180-0192	2	0180-0292 0180-0293		\$1,000 \$100,000
Company Supervision			0180-019	\$158,400	0180-0295		\$134,400
Overhead Fixed Rate			0180-0196		0180-0296		\$20,000
Well Abandonment			0180-019		0180-0298		
Contingencies 10% (TCP) 10% (CC)			0180-0199		0180-0299		\$650,700
	TC	DTAL		\$2,830,200		,	7,157,300
TANGIBLE COSTS 0181			0404 070				
Casing (19.1" - 30") Casing (10.1" - 19.0") 175' - 13 3/8" 54.5# J-55 ST&C @ \$35.90/ft			0181-079			-	
			0101010				
Casing (8.1" - 10.0")			0181-079	5 \$72,300			
Casing (8.1" - 10.0") 2450' - 9 5/8" 40# N-80 LT&C @ \$27.61/ft Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft			0181-079 0181-079				
Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft					0181-0797		\$142,300
Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft			0181-079	6 \$289,700	0181-0797 0181-0798		\$142,300 \$45,600
Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Drilling Head				6 \$289,700	0181-0797 0181-0798	3	
Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft			0181-079	6 \$289,700	0181-0797 0181-0798	0	\$45,600
Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Sucker Rods			0181-079	6 \$289,700	0181-0798 0181-0798 0181-0876 0181-0876 0181-0878	3 0 1 5	\$45,600 \$50,000
Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Sucker Rods Subsurface Equipment			0181-079	6 \$289,700	0181-0797 0181-0798 0181-0870 0181-0870 0181-0880 0181-0880	3 0 1 5 0	\$45,600 \$50,000 \$70,000
Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Sucker Rods Subsurface Equipment Artificial Lift Systems Gas Lift Valves			0181-079	6 \$289,700	0181-0798 0181-0870 0181-0870 0181-0870 0181-0880 0181-0880 0181-0880	3 0 1 1 5 0 4	\$45,600 \$50,000
Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Sucker Rods Subsurface Equipment			0181-079	6 \$289,700	0181-0797 0181-0798 0181-0870 0181-0870 0181-0880 0181-0880	3 0 1 1 5 0 0	\$45,600 \$50,000 \$70,000
Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Sucker Rods Subsurface Equipment Artificial Lift Systems Gas Lift Valves Pumping Unit Surface Pumps & Prime Movers 1/2 VRU/SWD Pump/Circ Pump Tanks - Oil 3 - 750 bbl			0181-079	6 \$289,700	0181-0798 0181-0798 0181-0879 0181-0879 0181-0889 0181-0889 0181-0889 0181-0889	3 0 1 1 5 0 0 4 4 5 6 0	\$45,600 \$50,000 \$70,000 \$15,000 \$35,000 \$55,000
Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Sucker Rods Subsurface Equipment Artificial Lift Systems Gas Lift Valves Pumping Unit Surface Pumps & Prime Movers 1/2 VRU/SWD Pump/Circ Pump Tanks - Oil 3 - 750 bbl Tanks - Water 3 - 750 bbl		hhl	0181-079	6 \$289,700	0181-0798 0181-0798 0181-0879 0181-0879 0181-0889 0181-0889 0181-0889 0181-089 0181-089	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	\$45,600 \$50,000 \$70,000 \$15,000 \$35,000 \$55,000 \$60,000
Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Sucker Rods Subsurface Equipment Artificial Lift Systems Gas Lift Valves Pumping Unit Surface Pumps & Prime Movers 1/2 VRU/SWD Pump/Circ Pump Tanks - Oil 3 - 750 bbl Tanks - Water 3 - 750 bbl Separation / Treating Equipment 30"x10'x1k# 3 ph/36"x15'x1k# F		bbl	0181-079	6 \$289,700	0181-0798 0181-0798 0181-0879 0181-0879 0181-0889 0181-0889 0181-0889 0181-0889	3 3 5 5 5 6 6 5 5 5 5 5 5 5 5 5 5 5 5 5	\$45,600 \$50,000 \$70,000 \$15,000 \$35,000 \$55,000 \$60,000 \$45,000
Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Sucker Rods Subsurface Equipment Artificial Lift Systems Gas Lift Valves Pumping Unit Surface Pumps & Prime Movers 1/2 VRU/SWD Pump/Circ Pump Tanks - Oil 3 - 750 bbl Tanks - Water 3 - 750 bbl		bbl	0181-079	6 \$289,700	0181-0798 0181-0798 0181-0879 0181-0879 0181-0889 0181-0889 0181-089 0181-089 0181-089	3	\$45,600 \$50,000 \$70,000 \$15,000 \$35,000 \$55,000 \$60,000
Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Sucker Rods Subsurface Equipment Artificial Lift Systems Gas Lift Valves Pumping Unit Surface Pumps & Prime Movers 1/2 VRU/SWD Pump/Circ Pump Tanks - Oil 3 - 750 bbl Tanks - Water 3 - 750 bbl Separation / Treating Equipment 30"x10'x1k# 3 ph/36"x15'x1k# F Heater Treaters, Line Heaters 8'x20'x75# HT Metering Equipment Line Pipe & Valves - Gathering		bbl	0181-079	6 \$289,700	0181-0797 0181-0797 0181-0877 0181-0877 0181-0887 0181-0886 0181-0886 0181-089 0181-089 0181-089 0181-089 0181-089	B	\$45,600 \$50,000 \$70,000 \$15,000 \$35,000 \$55,000 \$60,000 \$45,000 \$23,000 \$14,000
Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Sucker Rods Subsurface Equipment Artificial Lift Systems Gas Lift Valves Pumping Unit Surface Pumps & Prime Movers 1/2 VRU/SWD Pump/Circ Pump Tanks - Oil 3 - 750 bbl Tanks - Water 3 - 750 bbl Separation / Treating Equipment 30"x10'x1k# 3 ph/36"x15'x1k# Heater Treaters, Line Heaters 8'x20'x75# HT Metering Equipment Line Pipe & Valves & Accessories		bbl	0181-079	6 \$289,700	0181-0797 0181-0797 0181-0877 0181-0877 0181-0887 0181-0888 0181-0888 0181-089 0181-089 0181-089 0181-089 0181-089 0181-089 0181-090	B	\$45,600 \$50,000 \$70,000 \$15,000 \$35,000 \$60,000 \$45,000 \$14,000 \$60,000
Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Sucker Rods Subsurface Equipment Artificial Lift Systems Gas Lift Valves Pumping Unit Surface Pumps & Prime Movers 1/2 VRU/SWD Pump/Circ Pump Tanks - Oil 3 - 750 bbl Tanks - Water 3 - 750 bbl Separation / Treating Equipment 30"x10'x1k# 3 ph/36"x15'x1k# Heater Treaters, Line Heaters 8'x20'x75# HT Metering Equipment Line Pipe & Valves & Accessories Cathodic Protection		bbl	0181-079	6 \$289,700	0181-0797 0181-0797 0181-0877 0181-0877 0181-0887 0181-0886 0181-0886 0181-089 0181-089 0181-089 0181-089 0181-089	B	\$45,600 \$50,000 \$70,000 \$15,000 \$35,000 \$60,000 \$45,000 \$14,000 \$60,000 \$8,000
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Date: May 9, 2018

Simple Certified:

The following is in response to your May 9, 2018 request for delivery information on your Certified Mail™/RRE item number 9414810699945031154252. The delivery record shows that this item was delivered on May 9, 2018 at 9:24 am in LEAGUE CITY, TX 77573. The scanned image of the recipient information is provided below.

Signature of Recipient:

Wesley He'rlh Roberts

Address of Recipient:

418 Forest 41115 Pr.

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely, United States Postal Service

> Wesley Keith Roberts 418 FOREST HILLS DR LEAGUE CITY, TX 77573 Reference #: Chicago 9/8 PM CM Item ID: Chicago 9 8 PM

From:

Cole McCurdy

Sent:

Tuesday, May 08, 2018 4:39 PM

To:

'kijuhy'

Subject:

RE: FW: R.C. Roberts Heirs

Keith,

Please scan the executed AFE's back to me if you want to participate. Give me a shout if you have any questions.

Thanks,

Cole

From: kijuhy [mailto:kijuhy@verizon.net]
Sent: Monday, April 30, 2018 8:21 AM
To: Cole McCurdy

Subject: Re: FW: R.C. Roberts Heirs

Here are the recording details for the filing of the Texas probate documents with the County Clerk in Eddy County New Mexico.

filed date number type

book page grantor

grantees

• IN THE MATTER

 ROBERTS, DOROTHY HOLDER

08/20/2014 1408685 PROBATE 0989 0520

OF

The trustee of the trust for Karen Roberts is: Carissa Brown 2509 Aspen St Longview, TX 75605-1917

Wesley Keith Roberts

On 4/9/2018 3:15 PM, Cole McCurdy wrote:

Please give me a call at (432) 682-3715. We need to discuss a few things regarding the interest and figure out the next steps based on your decision to either participate or assign the interest.

From: kijuhy [mailto:kijuhy@verizon.net] Sent: Monday, April 02, 2018 7:32 AM To: Cole McCurdy

Subject: Re: FW: R.C. Roberts Heirs

From:

Cole McCurdy

Sent:

Monday, April 30, 2018 3:44 PM

To:

'kijuhy'

Subject:

RE: FW: R.C. Roberts Heirs

That should get it in to you as an individual. Thanks for sending that over.

I also talked with my boss and if you want to be able to pick and choose which wells to participate in then you will still need to sign the JOA. You must participate in the initial well for the JOA to be binding as to your piece. All of this is covered in the non-consent section of the JOA.

Let me know if you want me to send over the JOA for your execution.

Also, any luck on finding phone numbers for the other siblings.

From: kijuhy [mailto:kijuhy@verizon.net] Sent: Monday, April 30, 2018 8:21 AM

To: Cole McCurdy

Subject: Re: FW: R.C. Roberts Heirs

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OF

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From: kijuhy [mailto:kijuhy@verizon.net]
Sent: Monday, April 02, 2018 7:32 AM

To: Cole McCurdy

Subject: Re: FW: R.C. Roberts Heirs

See attached.

On 3/28/2018 3:32 PM, Cole McCurdy wrote:

Were you able to track down that Farmout agreement?

From: Cole McCurdy

Sent: Tuesday, March 27, 2018 9:19 AM

To: 'kijuhy'

Subject: RE: R.C. Roberts Heirs

Please ignore the highlighted portions. We had done that for the Matson's.

From: kijuhy [mailto:kijuhy@verizon.net] Sent: Monday, September 11, 2017 2:12 AM
To: Cole McCurdy
Subject: Re: R.C. Roberts Heirs

Here is a document filed in the Eddy County records that lists the heirs. If you need anything else please let me know.

DARRELL HOLDER ROBERTS 1823 LAUREL OAKS DR RICHMOND, TX 77469-4836

KAREN ROBERTS 891 WINDING TRAIL HOLLY LAKE RANCH, TX 75765

WESLEY KEITH ROBERTS 418 FOREST HILLS DR LEAGUE CITY, TX 77573

Thanks,

Keith

On 9/6/2017 10:52 AM, Cole McCurdy wrote:

Keith,

I am a Landman for Mewbourne Oil Company and I am trying to talk with the heirs of R.C. Roberts and Dorothy Roberts regarding an oil and gas interest they owned in Eddy County, NM. Mewbourne Oil Company has proposed to drill oil and gas wells with the tract that R.C. and Dorothy Roberts owned an interest. I have tried some old addresses we found for R.C. Roberts but they appear to be no good. Could you please help me out in getting some contact information for the heirs so I can send over the necessary paperwork regarding the interest in Eddy County, NM. Have a great day.

Thanks,

Cole McCurdy

Landman

Mewbourne Oil Company

500 West Texas Ave, Suite 1020

Midland, TX 79701-4279

Ph: 432-682-3715 / Fax: 432-685-4170

FASKEN CENTER
500 WEST TEXAS, SUITE 1020
MIDLAND, TX 79701

TELEPHONE (432) 682-3715 FACSIMILE (432) 685-4170

May 1, 2018

Via Certified Mail

The Karen Roberts Special Needs Trust 891 Winding Trail Holly Lake Ranch, TX 75765

Re: Chicago 9/8 W0IL Fee #1H
2300' FNL & 330' FEL (SL: Section 9)
2200' FNL & 330' FWL (BHL: Section 8)
Section 9/8, T24S, R28E
Eddy County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company as Operator hereby proposes to drill the captioned well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,482 feet subsurface to evaluate the Wolfcamp Formation. The proposed well will have a measured depth (MD) of approximately 19,520 feet. The S/2 of the captioned Section 9 and the S/2 of the captioned Section 8 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling is our AFE dated April 20, 2018 for the captioned proposed well. In the event that you elect to participate in the proposed well, please execute the enclosed AFE and return to me within thirty (30) days. Our Joint Operating Agreement to follow should you elect to participate.

Should you have any questions regarding the above, please email me at cmccurdy@mewbourne.com or call me at (432) 682-3715.

Sincerely,

MEWBOURNE OIL COMPANY

Cole McCurdy Petroleum Landman

AUTHORIZATION FOR EXPENDITURE

Well Name: Chicago 9/8 W0IL Fee #1H	Prosp	ect: V	Volf	camp			
Location: SL: 2300' FNL & 330' FEL (9); BHL: 2200' FSL & 330' FWL (8)	Co	unty: 🖪	ddy			s	r: NM
Sec. 9 Blk: Survey: TWP:	245	RNG:	28	BE Prop. TVD	9482	TMD:	19520
			〒				
INTANGIBLE COSTS 0180		CODE		TCP	CODE		CC
Regulatory Permits & Surveys Ocation / Road / Site / Preparation		0180-01 0180-01			0180-0200 0180-0205		\$25,000
ocation / Restoration		0180-01		\$200,000			\$30,000
Daywork / Turnkey / Footage Drilling 30 days drlg / 4 days comp @ \$21,000/d		0180-01		\$673,000			\$89,700
Fuel 1500 gal/day @ 2.63/gal		0180-01	14	\$145,800			\$520,000
Mud, Chemical & Additives		0180-01	20	\$230,000			
Horizontal Drillout Services			_	205.000	0180-0222		\$220,000
Cementing A V/V - Visa Constant		0180-01			0180-0225 0180-0230		\$30,000 \$480,000
Logging & Wireline Services Casing / Tubing / Snubbing Service		0180-01	_		0180-0230		\$90,000
Mud Logging		0180-01		\$30,000	0100 0204		ψου,ουο
Stimulation 61 Stg 24.9 MM gal / 24.9 MM lb					0180-0241		\$3,625,000
Stimulation Rentals & Other					0180-0242		\$200,000
Nater & Other		0180-01	$\overline{}$		0180-0245		\$770,000
Bits		0180-01			0180-0248		\$8,000
nspection & Repair Services		0180-01		\$40,000	0180-0250 0180-0254		\$5,000 \$10,000
Misc. Air & Pumping Services Testing & Flowback Services		0180-0		\$15,000	0180-0258		\$30,000
Completion / Workover Rig		0100-0	-	Ψ10,000	0180-0260		\$10,500
Rig Mobilization		0180-0	164	\$120,000			
Transportation		0180-0	165	\$20,000	0180-0265		\$20,000
Welding Services		0180-0	-		0180-0268		\$15,000
Contract Services & Supervision		0180-0			0180-0270		\$42,000
Directional Services Includes Vertical Control		0180-0		\$273,000	0180-0280		\$30,000
Equipment Rental		0180-0			0180-0284		φ30,000
Well / Lease Legal Well / Lease Insurance		0180-0			0180-0285		
Intangible Supplies		0180-0			0180-0288		\$1,000
Damages		0180-0			0180-0290		
ROW & Easements		0180-0	192		0180-0292	2	\$1,000
Pipeline Interconnect					0180-0293		\$100,000
Company Supervision		0180-0			0180-0295		\$134,400
Overhead Fixed Rate		0180-0		\$10,000	0180-0296		\$20,000
Well Abandonment Contingencies 10% (TCP) 10% (CC)		0180-0		\$257 300	0180-0298		\$650,700
	OTAL	 	199	\$2,830,200			\$7,157,300
	OIAL	1		Ψ2,000,200		T	\$1,101,00
TANGIBLE COSTS 0181		0181-0	702				
Casing (19.1" - 30") Casing (10.1" - 19.0") 175' - 13 3/8" 54.5# J-55 ST&C @ \$35.90/ft		0181-0		\$6,800			
Casing (8.1" - 10.0") 2450' - 9 5/8" 40# N-80 LT&C @ \$27.61/ft		0181-0					
Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft		0181-0			-		
Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft					0181-079	7	\$142,30
Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft		-			0181-079	8	\$45,60
Drilling Head		0181-0	0860	\$40,000			\$E0.00
Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger					0181-087		\$50,00 \$70,00
Horizontal Completion Tools Completion Liner Hanger Sucker Rods					0181-087		Ψ70,00
Subsurface Equipment					0181-088		
Artificial Lift Systems Gas Lift Valves					0181-088	4	\$15,00
Pumping Unit					0181-088	5	
Surface Pumps & Prime Movers 1/2 VRU/SWD Pump/Circ Pump					0181-088		\$35,00
Tanks - Oil 3 - 750 bbl					0181-089		\$55,00
Tanks - Water 3 - 750 bbl	hhl			<u> </u>	0181-089		\$60,00 \$45,00
Separation / Treating Equipment 30"x10'x1k# 3 ph/36"x15'x1k# Hor 3ph/Gun Heater Treaters, Line Heaters 8'x20'x75# HT	וממ ו				0181-089		\$23,00
Metering Equipment					0181-089		\$14,00
Line Pipe & Valves - Gathering					0181-090		
Fittings / Valves & Accessories					0181-090	06	\$60,00
Cathodic Protection					0181-090		\$8,00
Electrical Installation		_			0181-090		\$50,00
Equipment Installation		-		-	0181-09		\$50,00
Pipeline Construction		-				201	
	TOTAL			\$408,80	00		\$722,9
SUB*	TOTAL	<u> </u>		\$3,239,00	00		\$7,880,2
TOTAL WELL C	OST			\$11	,119,200	1	
				are of the premi	um.	m 0180-	0185
Extra Expense Insurance I elect to be covered by Operator's Extra Expense Insurance and pay my Operator has secured Extra Expense Insurance covering costs of well control. I elect to purchase my own well control insurance policy.	ol, clea	n up and	redri	illing as estimate	d in Line Ite		0100.
I elect to be covered by Operator's Extra Expense Insurance and pay my Operator has secured Extra Expense Insurance covering costs of well control. I elect to purchase my own well control insurance policy. If neither box is checked above, non-operating working interest owner elects to be covered by Operator's	ol, clea	n up and	redri	illing as estimate	d in Line Ite		0100.
I elect to be covered by Operator's Extra Expense Insurance and pay my Operator has secured Extra Expense Insurance covering costs of well control I elect to purchase my own well control insurance policy. If neither box is checked above, non-operating working interest owner elects to be covered by Operator's Prepared by: B. Talley	ol, clea	n up and	redri	illing as estimate	d in Line Ite		
I elect to be covered by Operator's Extra Expense Insurance and pay my Operator has secured Extra Expense Insurance covering costs of well control I elect to purchase my own well control insurance policy. If neither box is checked above, non-operating working interest owner elects to be covered by Operator's Prepared by: B. Talley	well cor	n up and	redri	illing as estimate	d in Line Ite		
I elect to be covered by Operator's Extra Expense Insurance and pay my Operator has secured Extra Expense Insurance covering costs of well control. I elect to purchase my own well control insurance policy. If neither box is checked above, non-operating working interest owner elects to be covered by Operator's	well cor	n up and ntrol insur te: 4/2	redri	illing as estimate	d in Line Ite		



Date: May 8, 2018

Simple Certified:

The following is in response to your May 8, 2018 request for delivery information on your Certified Mail™/RRE item number 9414810699945031154184. The delivery record shows that this item was delivered on May 8, 2018 at 12:12 pm in HAWKINS, TX 75765. The scanned image of the recipient information is provided below.

Signature of Recipient:

Address of Recipient :

811 Wind: 51/1

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely, United States Postal Service

> The Karen Roberts Special Needs Trust 891 WINDING TRL HOLLY LAKE RANCH, TX 75765 Reference #: Chicago 9/8 PM CM Item ID: Chicago 9 8 Prospect

AUTHORIZATION FOR EXPENDITURE

Well Name: Chicago 9/8 W0IL Fee #1H	Pros	pect: Wo	olfcamp		
Location: SL: 2300' FNL & 330' FEL (9); BHL: 2200' FSL & 330' FWL (8)		ounty: Ed			ST: NM
	VP: 24S		28E Prop. TVD	: 9482	TMD: 19520
	240				
INTANGIBLE COSTS 0180 Regulatory Permits & Surveys		0180-0100	TCP	CODE 0180-0200	cc
Location / Road / Site / Preparation		0180-0100		0180-0200	\$25,000
Location / Restoration		0180-0106			\$30,000
Daywork / Turnkey / Footage Drilling 30 days drlg / 4 days comp @ \$21,0	D/00C	0180-0110	\$673,000	0180-0210	\$89,700
Fuel 1500 gal/day @ 2.63/gal		0180-0114			\$520,000
Mud, Chemical & Additives		0180-0120			#200 000
Horizontal Drillout Services Cementing		0180-0125		0180-0222 0180-0225	\$220,000 \$30,000
Logging & Wireline Services		0180-0130		0180-0223	\$480,000
Casing / Tubing / Snubbing Service		0180-0134		0180-0234	\$90,000
Mud Logging		0180-0137	\$30,000		
Stimulation 61 Stg 24.9 MM gal / 24.9 MM lb		ļ		0180-0241	\$3,625,000
Stimulation Rentals & Other Water & Other		0180-014	\$50,000	0180-0242 0180-0245	\$200,000
Bits		0180-014		0180-0248	\$770,000 \$8,000
Inspection & Repair Services		0180-0150		0180-0250	\$5,000
Misc. Air & Pumping Services		0180-015		0180-0254	\$10,000
Testing & Flowback Services		0180-0158	\$15,000	0180-0258	\$30,000
Completion / Workover Rig		ļ		0180-0260	\$10,500
Rig Mobilization		0180-016			000.000
Transportation		0180-016		0180-0265	\$20,000
Welding Services Contract Services & Supervision		0180-016		0180-0268 0180-0270	\$15,000 \$42,000
Directional Services Includes Vertical Control		0180-017		0100-0270	Ψ12,000
Equipment Rental		0180-018		0180-0280	\$30,000
Well / Lease Legal	THE RESERVE AND THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TO THE PERSON N	0180-018		0180-0284	
Well / Lease Insurance	-	0180-018		0180-0285	
Intangible Supplies ATTACHMENT	-	0180-018		0180-0288	
	-	0180-019		0180-0290	
ROW & Easements Pipeline Interconnect	<u> </u>	0180-019	2	0180-0292 0180-0293	
Company Supervision	and the second of the second o	0180-019	5 \$158.400	0180-0295	
Overhead Fixed Rate		0180-019		0180-0296	
Well Abandonment		0180-019	8	0180-0298	
Contingencies 10% (TCP) 10% (CC)		0180-019		0180-0299	\$650,700
	TOTAL		\$2,830,200		\$7,157,300
TANGIBLE COSTS 0181					
Casing (19.1" - 30")		0181-079			
Casing (10.1" - 19.0") 175' - 13 3/8" 54.5# J-55 ST&C @ \$35.90/ft		0181-079			
Casing (8.1" - 10.0") 2450' - 9 5/8" 40# N-80 LT&C @ \$27.61/ft		0181-079			
Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft Casing (4.1" - 6.0") 9750' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft		0181-079	6 \$289,700		£142.200
Tubing 9000' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.74/ft		-		0181-0797 0181-0798	
Drilling Head		0181-086	0 \$40,000		ψ+3,000
Tubing Head & Upper Section				0181-0870	\$50,000
Horizontal Completion Tools Completion Liner Hanger				0181-0871	\$70,000
Sucker Rods				0181-0875	
Subsurface Equipment		_		0181-0880	
Artificial Lift Systems Gas Lift Valves Pumping Unit				0181-0884 0181-0885	
Surface Pumps & Prime Movers 1/2 VRU/SWD Pump/Circ Pump		-		0181-0886	
Tanks - Oil 3 - 750 bbl				0181-0890	
Tanks - Water 3 - 750 bbl				0181-0891	
Separation / Treating Equipment 30"x10'x1k# 3 ph/36"x15'x1k# Hor 3	ph/Gun bbl			0181-0895	
Heater Treaters, Line Heaters 8'x20'x75# HT		_		0181-0897	
Metering Equipment				0181-0898	
Line Pipe & Valves - Gathering Fittings / Valves & Accessories				0181-0900	
Cathodic Protection				0181-0908	
Electrical Installation				0181-0909	
Equipment Installation				0181-0910	
Pipeline Construction				0181-0920	
	TOTA	_	\$408,800		\$722,900
	SUBTOTA		\$3,239,000		\$7,880,200
TOTAL NAIF					Ψ1,000,E00
TOTAL WE Extra Expense Insurance	LL COST		\$11,	119,200	·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·
I elect to be covered by Operator's Extra Expense Insurance and	pav mv prop	ortionate sh	are of the premiur	n.	
Operator has secured Extra Expense Insurance covering costs of wel	il control, clea	n up and red	rilling as estimated	in Line Item	0180-0185.
I elect to purchase my own well control insurance policy.					
If neither box is checked above, non-operating working interest owner elects to be covered by Op	orotorio wali as	ntral innuurana			
in helities bux is checked above, horroperating working interest owner elects to be covered by Op	perator's well co	troi insurance	·		
Prepared by: B. Talley	Da	te: <u>4/20/2</u>	018		
Company Approval: M. Whattae	Da	te: 4/23/2	018		
Joint Owner Interest: Amount:					
Joint Owner Name	Signature:				

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

APPLICATION OF MEWBOURNE OIL COMPANY FOR A NON-STANDARD GAS SPACING AND PRORATION UNIT AND COMPULSORY POOLING, EDDY COUNTY, NEW MEXICO.

Case No. 16236

AFFIDAVIT OF NOTICE

COUNT	'Y OF	SANTA FE)
STATE	OF NI) ss. EW MEXICO)
J	ames l	Bruce, being duly sworn upon his oath, deposes and states:
1	١.	I am over the age of 18, and have personal knowledge of the matters stated herein.
2	2.	I am an attorney for Mewbourne Oil Company.
names as filed here	ind coi	Mewbourne Oil Company has conducted a good faith, diligent effort to find the rrect addresses of the interest owners entitled to receive notice of the application
addresse	-	Notice of the application was provided to the interest owners, at their last known certified mail. Copies of the notice letter and certified return receipts are attached chment A.
5	5.	Applicant has complied with the notice provisions of Division Regulations.
		James Bruce
Bruce.	SUBSO	Jose Soto NOTARY PUBLIC STATE OF NEW MEXICO OR EMPIRED AND AND SHALL TO before me this day of July, 2018 by James OR EMPIRED AND SHALL TO before me this day of July, 2018 by James OR EMPIRED AND SHALL TO before me this day of July, 2018 by James OR EMPIRED AND SHALL TO before me this day of July, 2018 by James
•	ت	Notary Public

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

June 7, 2018

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

To: Persons on Exhibit A

Ladies and gentlemen:

Enclosed is a copy of an application for a non-standard unit and compulsory pooling, filed with the New Mexico Oil Conservation Division by Mewbourne Oil Company, regarding a Wolfcamp well in the S/2 of Section 9 and the S/2 of Section 8, Township 24 South, Range 28 East, NMPM, Eddy County, New Mexico.

This matter is scheduled for hearing at 8:15 a.m. on Thursday, June 28, 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 who may be affected by the application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting this matter 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, June 21, 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 his or her 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

Very truly yours.

James Bruce

Attorney for Mewbourne Oil Company

EXHIBIT

- Bird 2000 Limited Partnership P.O. Box 164009
 Fort Worth, TX 76161
- McKay Living Trust dated July 2, 1982
 P.O. Box 2014
 Roswell, NM 88202
- Roy L. McKay
 P.O. Box 2014
 Roswell, NM 88202
- Quaestor Corporation 1039 N. Interstate 35E Ste 301 Carrollton, TX 75006 -or-2243 Valwood Parkway Farmers Branch, TX 75234 (Last known addresses) (Publish notice)
- EOG Resources, Inc.
 5509 Champions Drive Midland, TX 79706 Attn: Land Manager
- 6. Costilla Energy, Inc.
 P.O. Box 10369
 Midland, TX 79702
 -or400 W Illinois, Suite 1000
 Midland, TX 79701
 (Last known addresses)
 (Publish notice)
- Stratco Operating Company, Inc. 400 Buckeye Trail Austin, TX 78746
- Wesley Keith Roberts
 418 Forest Hills Drive
 League City, TX 77573
- The Karen Roberts Special Needs Trust 891 Winding Trail Holly Lake Ranch, TX 75765

Darrell Holder Roberts
 1823 Laurel Oaks Dr.
 Richmond, TX 77469-4836

 Successors and assigns of H.F. Grooms, Pearl Grooms, Ruth Ann Farrer, James Franklin Farrer, Betty Jo Farrer and William A. Behymer (Address unknown) (Publish notice)

12. Successors and assigns of Emily L. Asmus and Almata C. Asmus (Address unknown)

(Publish notice)

13. The Malaga Cemetery Association (Address unknown)
(Publish notice)

14. Heirs and/or devisees of R. C. Roberts, deceased Address Unknown Last Known Address: P.O. Box 640, Gilmer, TX 75644 (returned unclaimed) (Publish Notice)

CERTIFIED MAIL® RECEICT Domestic Mail Only For delivery information, visit our website at www.usps.come Certified Mail Pesticide Delivery Return Receipt (Nacroco) Stage Actus Sprature Restricted Delivery S Muland, TX 79706 Form 3500, April 2015 FSN 750 v.c. con-ever. Form 3500, April 2015 FSN 750 v.c. con-ever. See Reverse for Instructions	A Signature A Signature A Signature X	3. Service Type Adult Signature Restricted Delivery Certified Mail Restricted Delivery Certified Mail Restricted Delivery Collect on Delivery Col
DELIVERY The priority Mail Express® Priority Mail Express® Registered Mail Restricted Delivery Rechandles Signature Confirmation Restricted Delivery Signature Confirmation Restricted Delivery Mestricted Delivery The priority Mail Express® Restricted Delivery The priority Mail Express® The priority Mail Express M	SENDER: COMPLETF-THIS SECTION Complete items 1, 2, —/d 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. LOG Resources, Inc. 5509 Champions Drive Mulland, 1'X 19706 Attr: Land Marrager	2. Artic 7017 2LBD 0000 176 PS
SENDER: Complete items 1, 2, and 3. Complete items 1, 2, 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. Attach this card to the back of the mailpiece, or on the front if space permits. Attach this card to the back of the mailpiece, or on the front if space permits. Attach this card to the back of the mailpiece, or on the front if space permits. Attach this card to the back of the mailpiece, or on the front if space permits. Attach this card to the back of the mailpiece, or on the front if space permits. Attach this card to the back of the mailpiece, or on the front if space permits. Attach this card to the back of the mailpiece, or on the front if space permits. Attach this card to the back of the mailpiece, or on the front if space permits. Attach this card to the back of the mailpiece, or on the front if space permits. Attach this card to the back of the mailpiece, or on the front if space permits. Attach this card to the back of the mailpiece, or on the front if space permits. Attach this card to the back of the mailpiece, or on the front is space. Attach this card to the back of the mailpiece, or one permits. Attach this card to the back of the mailpiece, or one permits. Attach this card to the back of the mailpiece, or on the front is space. Attach this card to the back of the mailpiece, or one permits. Attach this card to the back of the mailpiece, or one permits. Attach this card to the back of the mailpiece, or one permits. Attach this card to the back of the mailpiece, or one permits. Attach this card to the back of the mailpiece, or one permits. Attach this card to the permits. Attach this card to the way attach the mailpiece, or one permits. Attach this card to the this card to permits. Attach this card to the mail this card to be a special to the mail this card to t	U.S. Postal Service" CERTIFIED MAIL® RECEIFT Domestic Mail Only For delivery information, visit our website at www.usps.com®. For delivery information, visit our website at www.usps.com®.	Colif. State, 219+4** Coli

PORTESTIC Mail Only For desilvery information, visit our website at www.usps.com** Certified Mail Fee Extra Services & Fees (check box, add fee at supropriate) S Extra Services & Fees (check box, add fee at supropriate) S Certified Mail Restorate Add Signature Receipt (sectronic) Add Signature Receipt (sectronic) Add Signature Repositive	Dadut Signature Restricted Delivery \$ State Postage and Fees Sent 7-	Street and Apt. No., or PO P.O. Bux 2014 City, State, 21pt.4* PS Formessop Appl. 2nd.	See Reverse for Instructions
A Signature A Sig		2- Type ignature Ignature Restricted Delivery d Maile A Mail Restricted Delivery on Delivery	1 Chilact on Delivery Restricted Delivery Signature Confirmation B 5 Restricted Delivery Restricted Delivery
SENDER: COMPLET = THIS SECTION ■ Complete items 1, 2, d 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. 1. Article Addressed to:	Bird 2000 Lamicd Perinciship p.O. Box 164009 Fort Worth, T.Y. 76161	9590 9402 3866 8060 2782 68	2. Atticle Nimber Manefor from sonitra labor 7017 2680 0000 1763 4895

Domestic Return Receipt

PS Form 3811, July 2015 PSN 7530-02-000-9053

11 S Postal Service"	SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
CERTIFIED MAIL® RECEIP	■ Complete items 1, 2, _/3.	A. Signature
Competite Mail Only	 Print your name and address on the reverse 	X Agent
Domestic	so that we can return the card to you.	
	Attach this card to the back of the mailpiece,	(Printed Name) C. Dat
	or on the front if space permits.	R/2/-0 // // // // // //
Certified Mail Fee	1. Article Addressed to:	D. Is delivery address different from item 1? Yes
Collinson		If YES, enter delivery address below:
ck box, add fee as appropriate)		
<u>. </u>	Roy L. McKay	
Here Herbit Receipt (electronic)	P.O. Box 2014	
Certified Mall Hestington S	עפארפון, ואיז ספרטי	
The Adult Signature Restricted Delivery S		7
Dostage		\\ \rangle \ra
Total Postage and Fees		
Chuisconnicd Pennicial and Section 2000 Line 2000 Section		☐ Adult Signature Restricted Delivery ☐ Registered Mail Restricted
Sent 70 P.O. Box 164@U9	9590 9402 3866 RUBO 2782 R2	■ Certified Mail® Testricted Delivery
T For Worth, TX 76.01	2020 2020 2020 2020	
	2. Article Nu	1 Annual Confirmation Signature Confirmation Signature Confirmation
City, State, ZIP+4®	7017 2680 OUCO 1763 4871	slivery
See Reverse for Instructive		(over \$500)
PS Form 3800, April 2013 Part 3000	PS Form 3811, July 2015 PSN 7530-02-000-9053	918 / Domestic Return Receipt

Certified Mail Fee

Stra Services & Fees (check.)

Certified Mail Fee

Certified Mail Restricted Deliv.

Certified Mail Restricted Deliv.

Certified Mail Restricted Deliv.

Adult Signature Restricted Deliv.

Fotal Postage and Fees

Servi To

Sireet and Apr. No. 10. 15 of N. No. 10. 15 of N. No. 10. 15 of No. 10.

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U.S. Postal Service" CERTIFIED MAIL® RECEIPT Bornestic Mail Only For delivery information, visit our website at www.usps.com® Certified Mail Fee String Services & Fees (check box, edd fee as appropriate) String Services & Fees (check box, edd fees feet feet feet feet feet feet feet	A. Signature A. Signature A. Signature B. Resaived by Printed Name) C. Date of Delivery G. Pate of Delivery
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at www.usps.com*.	Postmark Here	See Reverse for Instructions
U.S. Postal Service" CERTIFIED MAIL® RECEIPT Domestic Mail Only For delivery information, visit our website at www.usps	S Extra Services & Fees (check box, add fee as appropriate) Extra Services & Fees (check box, add fee as appropriate) Cheturn Receipt (herdroop) Confried Mail Restricted Delivery \$ Adult Signature Restricted Delivery \$ Postage \$ Total Postage and Fees	Sent To Darrell Hoider Roberts Street and Apt. No., or PO E 1823 Laurel Oaks Dr Richmond, TX 77469-4836 City, State, Zip+4* PS Form 3800, April 2015 PSN 785042600 5047
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7017 2680	Postage \$ Total Postage and Fees \$ Sent To QUUE STOR CA Street and Api. No or PO Box No. City, State. ZIPs 48 Famers Branch. TX 15234	See Reverse for Instructions

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2680 0000 1763	Certified Mail Fee \$ Extra Services & Fees (check box, edd fee as appropriate) Return Receipt (landcopy)	Postmark Here
7017	Sent To McKay Living Trust dated Jul FO. Box 2014 Street and Apt. No., or P Roswell, NM \$\$202	ly 2, 1982
	City, State, ZIP+4* PS Form \$800, April 2015 PSN 7530-02-000-9047	See Reverse for Instructions

SENDER: COMPLETE THIS SECTION Complete items 1, 2, 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. 1. Article Addressed to: McKay Living Trust dated July 2, 1982 Y.O. Box 2014 Reswell, NM \$8202	COMPLETE THIS SECTION ON DELIVERY A. Signature X
9590 9402 3866 8060 2782 75 2. Article Number (Transfer from 2 BF 000 1763 PS Form 7017 2015 PSN 7530-02-000-9053	3. Service Type Adult Signature Adult Signature Restricted Delivery Certified Mail® Cortified Mail® Collect on Delivery Collect on Delivery Ty Restricted Delivery Signature Confirmation Signature Confirmation Restricted Delivery Signature Confirmation Restricted Delivery Cover \$500) Domestic Return Receipt

James Bruce P.O. Box 1056 Santa Fe, New Mexico 87504

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CURRENT-ARGUS

AFFIDAVIT OF PUBLICATION

Ad No. 0001250987

JAMES BRUCE ATTORNEY AT LAW PO BOX 1056

SANTA FE NM 87504

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

06/15/18

Legal Clerk

Subscribed and sworn before me this 15th of June 2018.

State of WI, County of Brown
NOTARY PUBLIC

My Commission Expired

My Commission Expires

NOTICE

To: Bird 2000 Limited Partnership, McKay Living Trust, Roy L. McKay, Quaestor Corporation, Costilla Energy, Inc., Stratco Operating Company, Inc., EOG Resources, Inc., Wesley Keith Roberts, The Karen Roberts Special Needs Trust, Darrell Holder Roberts, H.F. Grooms, Pearl Grooms, Ruth Ann Farrer, James Franklin Farrer, Betty Jo Farrer, William A. Behymer, Emily L. Asmus, Almata C. Asmus, The Malaga Cemetery Association, and R.C. Roberts, or your heirs, devisees, successors, or assigns: Mewbourne Oil Company has applied to the Oil Conservation Division seeking an order approving a 640-acre non-standard gas spacing and proration unit (project area) in the Wolfcamp formation comprised of the S/2 of Section 9 and the S/2 of Section 8, Township 24 South, Range 28 East, NMPM, and pooling of all mineral interests in the Wolfcamp formation underly al interests in the Wolfcamp formation underlying the non-standard unit. The unit will be dedicated to the Chicago 9/8 WOIL Fee Com. Well No. 1H, horizontal wells with a surface location in the SE/4NE/4 of Section 9, and a bottomhole location in the NW/4SW/4 of Section 8. 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 application is scheduled to be heard at 8:15 a.m. on June 28, 2018 at the Division's offices at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. As an interest owner to the well unit you have the right to enter an appearance and participate in the case. Failure to appear will preclude you from contesting this matter at a later date. The attorney for applicant is James Bruce, P.O. Box 1056, Santa Fe, New Mexico 87504. The unit is located approximately 2 miles west-northwest of Malaga, New Mexico.

Pub: June 15, 2018 #1250987

16236**9** EXHIBIT **9**

TARA MONDLOCH Notary Public State of Wisconsin

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

APPLICATION OF MEWBOURNE OIL COMPANY FOR A NON-STANDARD GAS SPACING AND PRORATION UNIT AND COMPULSORY POOLING, EDDY COUNTY, NEW MEXICO.

Case No. 16236

VERIFIED STATEMENT OF CHARLES CROSBY

COUNTY OF MIDLAND)
) ss
STATE OF TEXAS)

Charles Crosby, 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. I have been qualified by the Division as an expert petroleum geologist.
- 2. I am a geologist for Mewbourne Oil Company ("Mewbourne"), and I am familiar with the geological matters involved in this case.
 - 3. The following geological plats are attached hereto:
 - (a) Attachment A is a structure map of the top of the Wolfcamp formation. It shows that structure dips gently to the east. It also shows Wolfcamp Sand and Wolfcamp Shale wells in the vicinity of the proposed Chicago 9/8 WOIL Fee Com. Well No. 1H, and a line of cross-section.
 - (b) Attachment B is a west-to-east cross section. The well logs on the cross-section give a representative sample of the Wolfcamp formation in this area. The target zone for the well is an upper Wolfcamp sand, and that zone is continuous across the well unit.
 - 4. I conclude from the maps that:
 - (a) The horizontals spacing unit is justified from a geologic standpoint.
 - (b) Each quarter section in the unit will contribute more or less equally to production.
 - (c) There is no faulting or other geologic impediment which will affect the drilling of the subject well.



- 5. Attachment C contains information from other wells drilled in this area. There wells are both standup and laydown wells in this area, and Mewbourne sees no difference in production whether wells are standup or laydown.
- 6. Attachment D is the proposed horizontal well plan. The producing interval of the well will be orthodox.

Charles Crosby

VERIFICATION

STATE OF TEXAS)
•) ss
COUNTY OF MIDLAND)

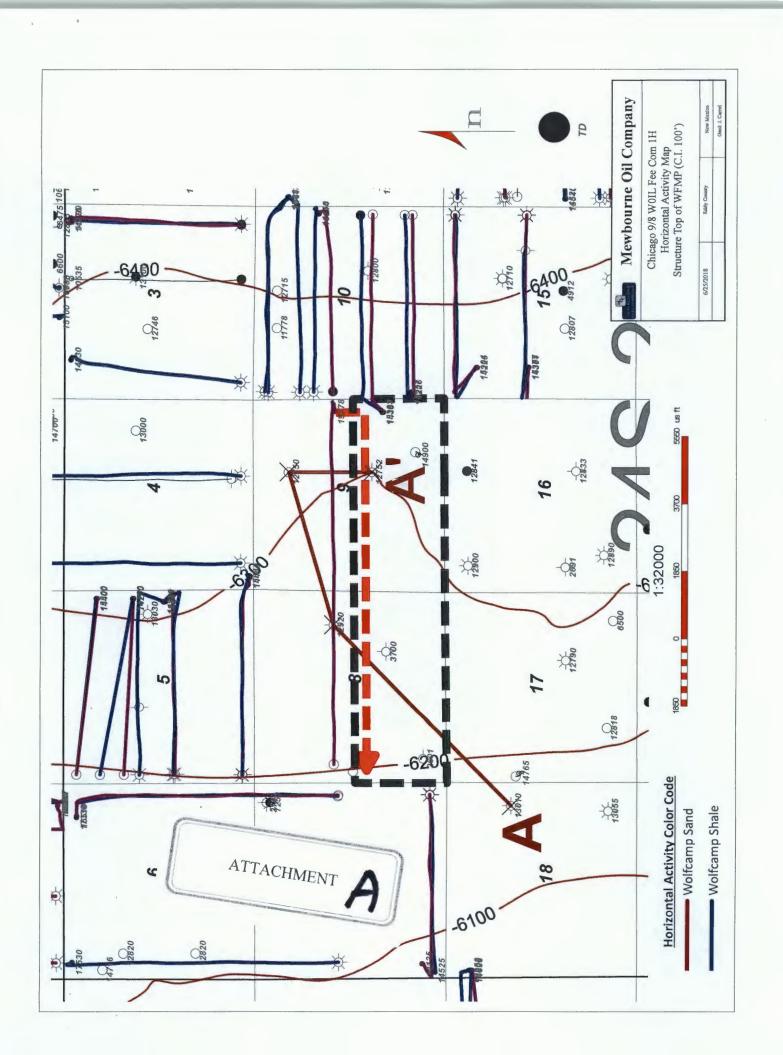
Charles Crosby, being duly sworn upon his oath, deposes and states that: He is a geologist for Mewbourne Oil Company; he is authorized to make this verification on its behalf; he has read the foregoing statement, and knows the contents thereof; and the same is true and correct to the best of his knowledge,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

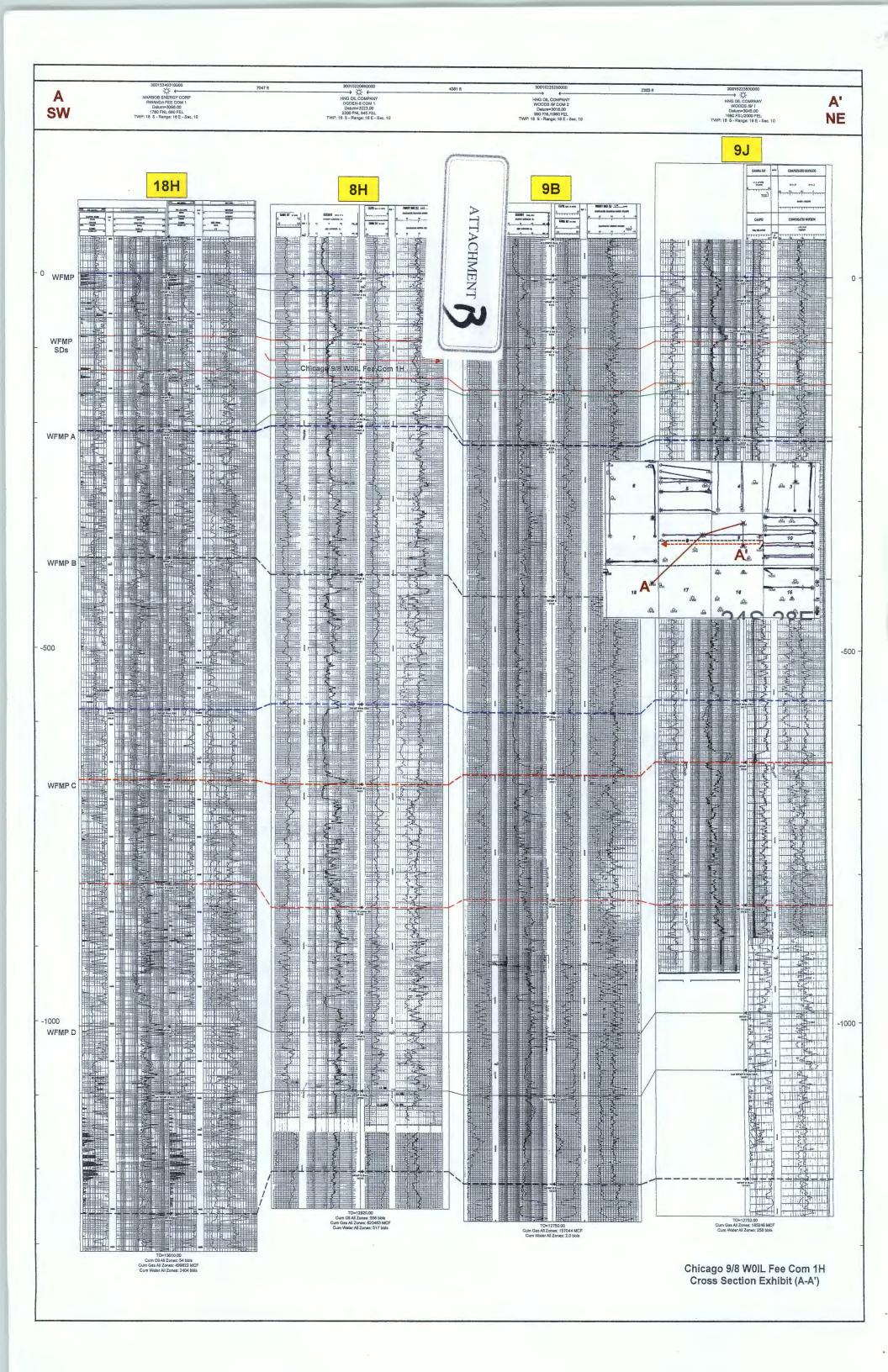
Charles Crosby

SUBSCRIBED AND SWORN TO before me this 25th day of July, 2018 by Charles Crosby

My Commission Expires: 8 - 26 - 19

JUDY K. TAYLOR Notary ID# 1027187 My Commission Expires August 28, 2019 Notary Public





Well NameOpeGuitar 10 24S 28E RB 202HMaYardbirds 3 W2AP Fee 1HMeYardbirds 3 W2DM Fee 1HMeBoston 7 W2MP Fee 1HMeJimmy Kone 05 24S 28E RB 208HMaJimmy Kone 05 24S 28E RN 203HMa	Operator Matador Mewhourne	API Locaiton	WEMP Comp Date	Cilm Oil (Mbo)	9	Cum Mater (Mhu)	NS/EW	WEMP Zone
	atador	1000	יייין אור כטוויף טמנה		Cum Gas (Bct)			
	wholine	3001542660 10H/24S/28E	4/2/2015	219.8	0.4	649.3	EW	WFMP Y Sand
	W W W W W W W	3001542935 3A/24S/28E	7/18/2017	8.66	1.2	SN 898		WFMP D Shale
	Mewbourne	3001542936 3D/24S/28E	7/30/2017	163.4	1.7	486.8 NS	NS	WFMP D Shale
	Mewbourne	3001543155 7M/24S/28E	3/30/2017	82.9	9.0	3.99.5	EW	WFMP D Shale
	Matador	3001543389 5M/24S/28E	5/17/2016	218.3	9.0	7.889	EW	WFMP Y Sand
	Matador	3001543475 51/24S/28E	8/19/2016	240.2	9.0	2797	EW	WFMP Y Sand
	Matador	3001543477 51/24S/28E	3/3/2017	64.5	1.1	335.8 EW	EW	WFMP D Shale
	Mewbourne	3001543494 33L/24S/28E	8/14/2016	214.8	2.1	914.4	NS	WFMP D Shale
n 1H	Mewbourne	3001543499 33J/23S/28E	8/25/2016	176.2	2.1	2'989	SN	WFMP D Shale
	Matador	3001543542 4M/24S/28E	5/20/2016	114.1	1.9	652	EW	WFMP D Shale
Guitar 10 24 28 RB 222H	Matador	3001543693 10H/24S/28E	8/12/2016	113.8	1	408.3 EW	EW	WFMP D Shale
Anne Com 15 24S 28E 221H Ma	Matador	3001543899 15D/24S/28E	11/21/2016	103.7	1.2	445.5	EW	WFMP D Shale
Guitar 10 24 28 RB 201H	Matador	3001543940 11D/24S/28E	5/20/2017	163.9	0.4	511.9 EW	EW	WFMP Y Sand
Yardbirds 3 WOAP Fee 2H	Mewbourne	3001543949 3A/24S/28E	7/18/2017	190.3	0.3	478.5 NS		WFMP Y Sand
Jimmy Kone 05 24S 28E RB 226H	Matador	3001543958 51/24S/28E	3/3/2017	147.3	0.3	548.7 EW		WFMP D Shale
Guitar 10 24 28 RB 221H	Matador	3001543966 11D/24S/28E	4/30/2017	84.7	1	351.5	EW	WFMP D Shale
Motley 6-7 W2DE Federal Com 1H	Mewbourne	3001544140 6D/24S/28E	8/12/2017	102.4	1.4	534.9 NS		WFMP D Shale
Anne Com 15 24S 28E RB 201H Ma	Matador	3001544210 15D/24S/28E	10/6/2017	115.9	0.2	299.4 EW		WFMP Y Sand
Tom Matthews 10 24S 28E RB 223H Ma	Matador	3001544257 91/24S/28E	10/21/2017	54.1	6.0	7.63.2	EW	WFMP D Shale
Chicago 9-8 W0HE Fee Com 1H	Mewbourne	3001544260 9H/24S/28E		Pen	Pending		EW	WFMP Y Sand
	Matador	3001544417 15E/24S/28E	1/7/2018	102.6	0.2	305.3	EW	WFMP Y Sand
Anne Com 15 24S 28E RB 222H	Matador	3001544421 15E/24S/28E	12/23/2017	43.7	0.6	182.1 EW	EW	WFMP D Shale
Boston 7 W0MP Fee 2H	Mewbourne	3001544463 7M/24S/28E	2/1/2018	114.3	0.2	3.60£	EW	WFMP Y Sand
Motley 6-7 WOAH Fee Com 1H	Mewbourne	3001544466 6A/24S/28E		Pen	Pending		SN	WFMP Y Sand
Tom Matthews 10 24S 28E RB 204H Mai	Matador	3001544515 10M/24S/28E	Apr-18	12.7	0.02	79.5	EW	WFMP Y Sand
Tom Matthews 10 24S 28E RB 224H Ma	Matador	3001544516 10M/24S/28E	Apr-18	7.3	0.9	68.5 EW		WFMP D Shale
Tom Matthews 10 24S 28E RB 203H Mai	Matador	3001544561 91/24S/28E	Apr-18	18.3	0.03	96.5 EW		WFMP Y Sand



MEWBOURNE

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Plan Data for Chicago 9/8 W01L Fee Com 1H

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(US ft)

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200 400 600 800 (US ft) (Bearing:269.16° Scale:

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(3% SU) GVT

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Mewbourne Oil Company Chicago 9/8 W0IL Fee Com 1H Eddy Co, NM Plan P1:V3



ATTACHMENT



Plan Data for Chicago 9/8 W0IL Fee Com 1H

Field: Mewbourne Oll Company (Mad 83 NMEZ) Unit: USFt Verical Merence obtum (VMD): Mean Sea Level Projected Coordinate System: MAD83 / New Mexico East (FUS)

Chicago 9/8 WOHE

200

1000

100

Position:

Site: Chicago 9/8 Pad
Unit: USFee: TNO Reference:
Company Name: Newbourne 01. Company
n: Northing: 148841, 88015 F Latitude: 32.23366*
Resting: 618864, 88015F Longitude: -184.885185*
North Reference: Grid Grid Convergence: 0.13*
Comment: Eddy Co., New Pexico

-100 -150 ~200 -250

Slot: Chicago 9/8 WBIL Fee Com 1H
Offset is from 51te centre
+W/-5: -50.00USF Unchting: 4E/-WI 5180559*
+E/-WI 0.30USF Easting: 518065.10USF Longitude: -104.085155*

Plan Data for Chicago 9/8 W0IL Fee Com 1H

Well: Chicago 9/8 W0IL Fee Com 1H Type: Main-Well File Number:

Chicago 9/8 WOLL Fee Com 1H Chicago 9/8 WOME Fee Com 1H Chicago 9/8 WOLL Fee 2H Chicago 9/8 WOUE Fee Com 2H Chicago 9/8 WOME Fee Com 2H

East Section Line

2 K

Per Per

200

E. Offeet (US ft) (Scale:50USft/ln)

-500 -450

Chicago 9/8 W211

Plan Folder: P1
Vertical Section: Position offset of origin from Slot centre: +W/-S: 0.00USft Azimuth: 269.16°

-400

Date: 2018-05-10 +E/-W: 0.08USft Magnetic Parameters: Field Strength: Declination: Dip: 47856(nT) 7.18 7.18 Comment: Patterson 217 Model: bggm2017

Grid Convergence: 0.13° Mag Declination: 7.18° Bearing: Fotal Correction 7.05* Grid = True - 0.13° True = Mag + 7.18*

Plan Data for Chicago 9/8 W0IL Fee Com 1H

| Dogleg Severity Unit: "/180.80ft | Position offsets from Slot centre | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD | NO = 44.2 | Feb. W. | PD Severity Unit: #180.00ft Doystion offsets from Slot of AZ TMO +WJ-5 +F1-W Morthing Easting VSec (*) (USFt) (USFt) (USFt) (USFt)

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Mewbourne Oil Company

SURVEY CALCULATION REPORT Minimum Curvature Calculations

Operator: Mewbourne Oil Company Lease Name: Chicago 9/8 W0IL Fee 1H Target KBTVD: Target Angle: Section Plane:

9,482 Feet 9482.00 90,57 Degrees 90.57

KOP 9004.54

SL: 2300 FNL & 330 FEL Sec 9-24S-28E BHL: 2200 FSL & 330 FWL Sec 8-24S-28E Declination Corrected to True North:
Bit to Survey Offset:

264.90 Degrees 6.63 Degrees 44 Feet

+Above Drift Azimuth Course TVD Vertical +N/-S +F/WClosure Closure -Below DRIFT AZIMUTH Survey Measured KBTVD (RADIANS) (RADIANS) Depth-ft (Deg.) (Deg.) Length (Feet) Section (Feet) (Feet) Distance Direction BUR DLS Target 9004.5 0.0 0.0 0.0 0.0 9004.5 T/I 0.0 N/A N/A 477.5 4.62 #VALUE! 9004.54 0.00 264.90 N/A 1E-12 75 479 9079 7 enan na 9.06 264 90 6.0 -0.5-59 6.0 264 9 12.0 12.0 9079 8 402.2 0.1580822 4.62 0.158082 1 23.7 2 9155,49 18.11 264.90 75.479 9153.0 -2.1 -23.6 23.7 264.9 12.0 12.0 9153.2 328.8 0.316164399 4.62 0.158082 75.479 9222.6 52.7 -4.7 -52.5 52.7 264.9 12.0 12.0 9223.1 258.9 3 27.17 0.474246599 4.62 0.158082 9230.97 264.90 -92.04 9306.45 36 23 264 90 75 479 9286.7 92.3 -82 92.3 264 9 12.0 12.0 9287 7 194 3 0.632328798 4.62 0.158082 12.0 9381.93 45.29 264.90 75.479 9343.8 141.5 -12.6-141.0 141.5 264.9 12.0 9345.3 136.7 0.790410998 4.62 0.158082 6 75.479 9392.5 199.1 -17.7 -198.4 199.1 264.9 12.0 12.0 9394.5 87.5 264.90 0.948493197 4.62 0.158082 9457.41 54.34 75,479 9431.5 263.7 -262.6 263.7 264.9 9434.1 9532.89 63,40 264.90 -23.412.0 12.0 47.9 1.106575397 4.62 0.158082 0.158082 8 9608.36 72.46 264.90 75,479 9459.8 333.6 -29.7 -332.2333.6 264.9 12.0 12.0 9463.1 18.9 1.264657596 4,62 9 75.479 9476.8 407.0 -36.2 -405.4 407.0 264.9 12.0 12.0 9480.9 1.422739796 4.62 0.158082 9683.84 81.52 264.90 1.1 10 75.479 9482.0 482.3 -42.9-480.3482.3 264.9 12.0 12.0 9486.8 9759.32 90.57 264.90 -4.8 1.580821996 4.62 0.158082 11 9800.00 90,57 264,90 40.678 9481.6 522.9 -46.5 -520.9 522 9 264 9 0.0 0.0 9486 8 -4.8 1.580821996 4.62 1E-10 12 9900.00 90.57 264.90 100 9480.6 622.9 -55.4 -620.5622.9 264.9 0.0 0.0 9486.8 -4.8 1.580821996 4.62 1E-10 9479.6 722.9 -64.3 -720.1722.9 9486.8 -4.8 13 100 264.9 0.0 0.0 1.580821996 10000.00 90.57 264.90 4.62 1E-10 1.580821996 14 10100.00 90.57 264 90 100 9478 6 822.9 -73 2 -819.7 822 9 264 9 0.0 0.0 9486 8 -4 8 4 62 1E-10 922.9 922.9 264.9 9486.8 15 90.57 100 9477.6 -82.0-919.3 0.0 0.0 -4.8 1.580821996 4.62 1E-10 9476.6 1022.9 -90.9 -1018.9 1022.9 264.9 9486.8 100 0.0 0.0 -4.8 1.580821996 16 10300.00 264.90 1E-10 90.57 4.62 17 10400.00 90.57 264.90 100 9475.6 1122.9 -99.8 -1118.51122.9 264.9 0.0 0.0 9486.8 -4.8 1.580821996 4.62 1E-10 18 100 9474.6 1222.9 -108.7 -1218.1 1222.9 264.9 0.0 0.0 9486.8 -4.8 10500.00 90.57 264.90 1.580821996 4.62 1E-10 19 264.90 100 9473.5 1322.9 -117.6-1317.6 1322.9 264.9 0.0 0.0 94868 -48 1.580821996 1E-10 10600.00 90.57 4.62 20 10700.00 90.57 264.90 100 9472.5 1422.9 -126.5-1417.21422.9 264.9 0.0 0.0 9486.8 -4.81 580821996 4 62 1E-10 21 100 9471.5 1522.9 -135.4 -1516.8 1522.9 264.9 0.0 0.0 9486 8 -4.8 10800.00 90.57 264.90 1.580821996 4.62 1E-10 1.580821996 22 100 9470.5 1622.9 -144.3-1616.4 1622.9 264.9 0.0 0.0 9486.8 -4.8 10900.00 90.57 264.90 4.62 1E-10 23 11000.00 90.57 264.90 100 9469.5 1722.9 -153.2-1716.01722.9 264.9 0.0 0.0 9486 8 -48 1 580821996 4 62 1E-10 24 90.57 100 9468 5 1822.9 -162.0-1815.6 1822.9 264.9 0.0 0.0 9486.8 -4.8 1.580821996 lE-10 11100.00 264.90 4.62 25 11200.00 100 9467.5 1922.9 -170.9-1915.2 1922.9 264.9 0.0 0.0 9486,8 -4.8 1.580821996 4.62 1E-10 90.57 264.90 2022.9 9466.5 -179.8-2014.8 2022.9 0.0 9486.8 26 11300.00 90.57 264.90 100 264.9 0.0 -4.8 1.580821996 4.62 1E-10 264.90 27 11400.00 90.57 100 9465 5 2122.8 -1887-21144 2122.8 264 9 0.00.0 9486.8 -4 8 1 580821996 4.62 1E-10 -197.6 -2214.0 28 11500.00 90.57 264.90 100 9464.5 2222,8 2222.8 264.9 0.0 0.0 9486.8 -4.8 1.580821996 4.62 1E-10 100 9463.5 2322.8 -206.5 9486.8 29 11600.00 90.57 264.90 -2313.6 2322.8 264.9 0.0 0.0 -4.8 1.580821996 4.62 1E-10 11700.00 30 90.57 264 90 100 9462 5 2422.8 -2154 -2413.2 2422.8 264 9 0.0 0.09486 8 -48 1 580821996 4 62 IF-10 100 9461.5 2522.8 -2512.8 2522.8 264.9 9486.8 31 11800.00 264.90 -224.3 0.0 0.0 -4.8 1.580821996 4.62 1E-10 32 100 9460.5 2622.8 -233.2 -2612.4 2622.8 264.9 0.0 0.0 9486.8 11900.00 90.57 264.90 -4.81.580821996 4.62 1E-10 100 9459 5 2722.8 -242.0-2712.0 2722.8 264 9 0.0 9486 8 33 12000 00 90 57 264 90 0.0 -48 1.580821996 4 62 IF-10 34 100 9458.5 2822.8 -250.9 -2811.6 2822.8 264.9 0.0 0.0 9486.8 1.580821996 12100.00 90.57 264.90 -4.84.62 1E-10 35 100 9457.5 2922.8 -259.8 -2911.2 2922.8 264.9 0.0 0.0 9486.8 -4.8 1.580821996 IE-10 12200.00 90.57 264.90 4.62 36 100 9456.5 3022.8 -268.7-3010.8 3022.8 264 9 0.0 9486.8 -48 12300.00 90.57 264.90 0.01 580821996 4.62 1E-10 37 12400 00 90 57 264 90 100 9455.5 3122.8 -277.6-311043122.8 264 9 0.00.0 9486 8 -48 1 580821996 4 62 1E-10 38 100 9454 5 3222 8 -286 5 -3210.0 3222 8 264 9 0.0 0.0 9486.8 -48 12500.00 90.57 264.90 1.580821996 4.62 1E-10 39 12600.00 264.90 100 9453.5 3322.8 -295.4 -3309.6 3322,8 264.9 0.0 0.0 9486.8 -4.8 1.580821996 4.62 1E-10 90.57 40 100 9452.5 3422.8 -304.3 -3409.2 3422.8 264.9 0.0 9486.8 0.0 -4.8 12700.00 90.57 264.90 1.580821996 4.62 IE-10 41 12800.00 90.57 264 90 100 9451 5 3522.8 -313 2 -3508.83522.8 264 9 0.0 0.0 9486 8 -48 1.580821996 4 62 1E-10 9450.5 264.9 9486.8 42 12900.00 264.90 100 3622.8 -322.1-3608.4 3622.8 0.0 0.0 -4.8 1.580821996 4.62 1E-10 43 100 9449.5 3722.8 -330.9-3708.0 3722.8 264.9 0.0 0.0 9486.8 -4.8 1.580821996 1E-10 13000.00 90.57 264.90 4.62 -339.8 44 100 9448.5 3822.8 -3807.63822.8 264.9 0.0 0.0 9486.8 13100.00 90.57 264.90 -4.8 1.580821996 4.62 1E-10 45 13200.00 90 57 264 90 100 9447 5 3922.8 -348.7-3907.23922.8 264 9 0.0 0.0 9486 8 -48 1.580821996 1E-10 4.62 46 90.5 264.90 100 9446.5 4022.8 -357.6 -4006.8 4022.8 264.9 0.0 0.0 9486.8 -4.8 1.580821996 4.62 1E-10 47 9445.5 4122.7 -4106.4 100 -366.5 4122.7 264.9 0.00.0 9486.8 -4.8 13400.00 1.580821996 90.57 264,90 4.62 1E-10 48 13500.00 90 57 264 90 100 9444.5 4222.7 -375.4-4206.0 4222.7 264.9 0.0 0.0 94868 -48 1.580821996 4.62 1E-10 49 264.90 100 9443.5 4322.7 -384.3 -4305.6 4322,7 264.9 0.0 0.0 9486.8 1.580821996 4.62 1E-10 50 100 9442 5 4422.7 -393.2 -4405.2 4422.7 264.9 0.0 0.0 9486.8 -4.8 13700.00 1.580821996 90.57 264.90 4.62 1E-10 51 13800.00 90.57 264 90 100 9441 5 4522.7 -4021-45048 45227 264 9 0.00.09486.8 -4.8 1.580821996 4.62 1E-10 52 13900,00 90.57 264.90 100 9440.5 4622.7 -410.9 -4604.4 4622.7 264.9 0.0 0.0 9486.8 -4.8 1.580821996 1E-10 4.62 9439,5 4722.7 -419.8-4704.0 4722.7 0.0 0.0 53 14000,00 90.57 264.90 100 264.9 9486.8 -4.8 1.580821996 4.62 1E-10 1.580821996 54 14100.00 90.57 264.90 100 9438 5 4822.7 -4287-4803.6 4822.7 264 9 0.0 0.0 9486.8 -4.8 4.62 1E-10 55 14200.00 264.90 100 9437.5 4922.7 -437.6 4903.2 4922.7 264.9 0.0 0.0 9486.8 90.57 -4.8 1.580821996 4.62 1E-10 100 9436.5 5022.7 -446.5 -5002.8264.9 9486.8 56 14300.00 90.57 264.90 5022.7 0.0 0.0 -4.8 1 580821996 4 62 1E-10

57	14400.00	90.57	264.90	100	9435,5	5122.7	-455.4	-5102.4	5122.7	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10
58	14500.00	90.57	264.90	100	9434.4	5222.7	-464.3	-5202.0	5222.7	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10
59	14600.00	90.57	264.90	100	9433.4	5322.7	-473.2	-5301.6	5322.7	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10
60	14700.00	90.57	264.90	100	9432.4	5422.7	-482.1	-5401.2	5422.7	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10
61	14800.00	90.57	264.90	100	9431.4	5522.7	-490.9	-5500.8	5522.7	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10
62	14900.00	90.57	264.90	100	9430.4	5622.7	-499.8	-5600.4	5622.7	264.9	0.0	0.0	9486.8	-4.8	1,580821996	4.62	1E-10
63	15000.00	90.57	264.90	100	9429.4	5722.7	-508.7	-5700.0	5722.7	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	IE-10
64	15100.00	90.57	264.90	100	9428.4	5822.7	-517.6	-5799.6	5822.7	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	IE-10
65	15200,00	90.57	264.90	100	9427.4	5922.7	-526.5	-5899.2	5922.7	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10
66	15300.00	90.57	264.90	100	9426.4	6022.7	-535.4	-5998.8	6022.7	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10
67	15400.00	90.57	264.90	100	9425.4	6122.6	-544.3	-6098.4	6122.6	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10
68	15500.00	90.57	264.90	100	9424.4	6222.6	-553.2	-6198.0	6222.6	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1 E -10
69	15600.00	90.57	264.90	100	9423.4	6322.6	-562.1	-6297.6	6322.6	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10
70	15700.00	90.57	264.90	100	9422.4	6422.6	-570.9	-6397.2	6422.6	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10
71	15800.00	90.57	264.90	100	9421.4	6522.6	-579.8	-6496.8	6522.6	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10
72	15900.00	90.57	264.90	100	9420.4	6622.6	-588.7	-6596.4	6622.6	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10
7 3	16000.00	90.57	264.90	100	9419.4	6722.6	-597.6	-6696.0	6722.6	264.9	0.0	0.0	9486.8	-4.8	1,580821996	4.62	1 E -10
74	16100.00	90.57	264.90	100	9418.4	6822.6	-606.5	-6795.6	6822.6	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	IE-10
75	16200.00	90.57	264.90	100	9417.4	6922.6	-615.4	-6895.2	6922.6	264.9	0.0	0.0	9486.8	-4.8	1,580821996	4.62	1E-10
76	16300.00	90.57	264.90	100	9416.4	7022.6	-624.3	-6994.8	7022.6	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10
77	16400.00	90.57	264.90	100	9415.4	7122.6	-633.2	-7094.4	7122.6	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1 E -10
78	16500.00	90.57	264.90	100	9414.4	7222.6	-642.1	-7194.0	7222.6	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10
79	16600.00	90.57	264.90	100	9413.4	7322.6	-651.0	-7293.6	7322.6	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10
80	16700.00	90.57	264.90	100	9412.4	7422.6	-659.8	-7393.2	7422,6	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10
81	16800.00	90.57	264.90	100	9411.4	7522.6	-668.7	-7492.8	7522.6	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10
82	16900.00	90.57	264.90	100	9410.4	7622.6	-677.6	-7592.4	7622.6	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10
83	17000.00	90.57	264.90	100	9409.4	7722.6	-686.5	-7692.0	7722.6	264.9	0.0	0.0	9486.8		1.580821996	4.62	1E-10
84	17100.00	90.57	264.90	100	9408.4	7822.6	-695.4	-7791.6	7822.6	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10
85	17200.00	90.57	264.90	100	9407.4	7922.6	-704.3	-7891.2	7922.6	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10
86	17300.00	90.57	264.90	100	9406.4	8022.6	-713.2	-7990.8	8022.6	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10
87	17400.00	90.57	264.90	100	9405.4	8122.5	-722.1	-8090.4	8122.5	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10
88	17500.00	90.57	264.90	100	9404.4	8222.5	-731.0	-8190.0	8222.5	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10
89	17600.00	90.57	264.90	100	9403.4	8322.5	-739.8	-8289.6	8322.5	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10
90	17700.00	90.57	264.90	100	9402.4	8422.5	-748.7	-8389.2	8422.5	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10
91	17800.00	90.57	264.90	100	9401.4	8522.5	-757.6	-8488.8	8522.5	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10
92	17900.00	90.57	264.90	100	9400.4	8622.5	-766.5	-8588.4	8622.5	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10
93	18000.00	90.57	264.90	100	9399.4	8722.5	-775.4	-8688.0	8722.5	264.9	0.0	0.0	9486.8 9486.8	-4.8 -4.8	1.580821996	4.62	1E-10
94	18100.00	90.57	264.90	100	9398.4	8822.5	-784.3	-8787.6	8822.5	264.9 264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10
95	18200.00	90.57	264.90	100	9397.4	8922.5	-793.2	-8887.2	8922.5		0.0		9486.8	-4.8 -4.8	1.580821996	4.62	1E-10 1E-10
96	18300.00	90.57	264.90	100	9396.4	9022.5	-802.1	- 8 986.8	9022.5 9122.5	264.9 264.9	0.0	0.0	9486.8	-4.8	1.580821996 1.580821996	4.62	
97	18400.00	90.57	264.90	100	9395.3	9122.5	-811.0 -819.8	-9086.4 -9186.0	9222.5	264.9	0.0	0.0	9486.8	-4.8	1,580821996	4.62 4.62	1E-10 1E-10
98	18500.00	90.57	264.90	100	9394.3 9393.3	9222.5 9322.5		-9186.0 -9285.6	9322.5	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	IE-10
99	18600.00	90.57	264.90	100	9393.3		-828.7	-9285.0 -9385.2	9322.3	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10
100	18700.00	90.57	264.90	100	9392.3	9422.5	-837.6 -846.5	-9383.2 -9484.8	9522.5	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10 1E-10
101	18800.00	90.57	264.90	100 100	9391.3	9522.5 9622.5	-846.5 -855.4	-9484.8 -9584.4	9622.5	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10 1E-10
102 103	18900.00	90.57	264.90	100	9390.3	9022.5	-855.4 -864.3	-9384.4 -9684.0	9722.5	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10 1E-10
103	19000.00 19100.00	90.57 90.57	264.90 264.90	100	9388.3	9822.5	-804.3 -873.2	-9084.0 -9783.6	9822.5	264.9	0.0	0.0	9486.8	-4.8	1.580821996	4.62	1E-10
104	19200.00	90.57	264.90 264.90	100	9387.3	9922.5	-882.1	-9883.2	9922.5	264.9	0.0	0.0	9486.8		1.580821996	4.62	1E-10
105	13200.00	90,07	207.50	100	,,,,,,	1122.0	002.1	, 303.2	, ,	201,	0.0	5.0	, . 50.0	.,5			