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

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

CASE NO. 24993

NOTICE OF AMENDED EXHIBITS

Mewbourne Oil Company provides the attached amended exhibit packet, which includes the following amended exhibits:

- Compulsory Pooling Checklist revised to correct the Pool and Pool Code; and
- Exhibit A-2 (C-102s) revised to correct the Pool and Pool Code.

Respectfully submitted,

HINKLE SHANOR LLP

/s/ Dana S. Hardy

Dana S. Hardy Jaclyn M. McLean

Dylan M. Villescas

P.O. Box 2068

Santa Fe, NM 87504-2068

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imclean@hinklelawfirm.com

dvillescas@hinklelawfirm.com

Counsel for Mewbourne Oil

Company

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

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

CASE NO. 24993

EXHIBIT INDEX

Compulsory Pooling Checklist

Exhibit A	Self-Affirmed Statement of Brad Dunn
A-1	Application & Proposed Notice of Hearing
A-2	C-102s
A-3	Plat of Tracts, Tract Ownership, Applicable Lease Numbers, Unit Recapitulation, Pooled Parties
A-4	Map of Non-Standard Spacing Unit
A-5	Sample Well Proposal Letters & AFEs
A-6	Chronology of Contact
Exhibit B	Self-Affirmed Statement of Charles Crosby
B-1	General Location Map
B-2	Subsea Structure Map
B-3	Stratigraphic Cross-Section
Exhibit C	Self-Affirmed Statement of Dana S. Hardy
C-1	Notice Letters Sent on December 6 and 19, 2024
C-2	Chart of Notice to All Interested Parties
C-3	Copies of Certified Mail Receipts and Returns
C-4	Affidavit of Publication for December 12, 2024

COMPULSORY POOLING APPLICATION CHECKLIST

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case: 24993	APPLICANT'S RESPONSE
Hearing Date: January 9, 2025	
Applicant	Mewbourne Oil Company
Designated Operator & OGRID (affiliation if applicable)	Mewbourne Oil Company (OGRID No. 14744)
Applicant's Counsel:	Hinkle Shanor LLP
Case Title:	Application of Mewbourne Oil Company for Compulsory Pooling and Approval of Non-Standard Spacing Unit Eddy County, New Mexico.
Entries of Appearance/Intervenors:	None
Well Family	Canal
Formation/Pool	
Formation Name(s) or Vertical Extent:	Wolfcamp
Primary Product (Oil or Gas):	Gas
Pooling this vertical extent:	Wolfcamp
Pool Name and Pool Code:	Carlsbad; Wolfcamp, East (Gas) Pool (Code 74160)
Well Location Setback Rules:	Statewide
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	1,269.92 acres
Building Blocks:	quarter-quarter
Orientation:	East to West
Description: TRS/County	Sections 19 and 20, Township 21 South, Range 27 East, Eddy County
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?	No. Approval of a non-standard horizontal spacing unit is requested in this application.
Other Situations	
Depth Severance: Y/N. If yes, description	No.
Proximity Tracts: If yes, description	No.
Proximity Defining Well: if yes, description	N/A
Applicant's Ownership in Each Tract	Exhibit A-3
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	Add wells as needed
Well #1	Canal 20/19 Fed Com #712H (API # pending) SHL: 1,020' FNL & 355' FEL (Unit A), Section 20, T21S, R27E BHL: 830' FNL & 330' FWL (Unit D), Section 19, T21S, R27E Completion Target: Wolfcamp (Approx. TVD: 8,760')

Received by OCD: 1/8/2025 2:41:50 PM	Page 4 of 89
Well #2	Canal 20/19 Fed Com #714H (API # pending) SHL: 1,060' FNL & 355' FEL (Unit A), Section 20, T21S, R27E BHL: 2,150' FNL & 330' FWL (Unit E), Section 19, T21S, R27E Completion Target: Wolfcamp (Approx. TVD: 8,760')
Well #3	Canal 20/19 Fed Com #716H (API # pending) SHL: 1,540' FSL & 1,130' FWL (Unit L), Section 21, T21S, R27E BHL: 1,810' FSL & 330' FWL (Unit L), Section 19, T21S, R27E Completion Target: Wolfcamp (Approx. TVD: 8,760')
Well #4	Canal 20/19 Fed Com #718H (API # pending) SHL: 1,500' FSL & 1,130' FWL (Unit L), Section 21, T21S, R27E BHL: 490' FSL & 330' FWL (Unit M), Section 19, T21S, R27E Completion Target: Wolfcamp (Approx. TVD: 8,760')
Horizontal Well First and Last Take Points	Exhibit A-2
Completion Target (Formation, TVD and MD)	Exhibit A-5
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	\$8,000
Production Supervision/Month \$	\$800
Justification for Supervision Costs	Exhibit A
Requested Risk Charge	200%
Notice of Hearing	
Proposed Notice of Hearing	Exhibit A-1
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibits C-1, C-2, C-3
Proof of Published Notice of Hearing (10 days before hearing)	Exhibits C-4
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit A-3
Tract List (including lease numbers and owners)	Exhibit A-3
If approval of Non-Standard Spacing Unit is requested, Tract List (including lease numbers and owners) of Tracts subject to notice requirements.	Exhibit A-4
Pooled Parties (including ownership type)	Exhibit A-3
Unlocatable Parties to be Pooled	N/A
Ownership Depth Severance (including percentage above & below)	N/A
Joinder	
Sample Copy of Proposal Letter	Exhibit A-5
List of Interest Owners (ie Exhibit A of JOA)	Exhibit A-3
Chronology of Contact with Non-Joined Working Interests	Exhibit A-6
Overhead Rates In Proposal Letter	Exhibit A-5
Cost Estimate to Drill and Complete	Exhibit A-5
Cost Estimate to Equip Well	Exhibit A-5
Cost Estimate for Production Facilities	Exhibit A-5
Geology	
Summary (including special considerations)	Exhibit B
Refeased to Linguing 1/9/2025 8:26:55 AM	Exhibit B-1

Page 5 of 89
N/A
Exhibit B
Exhibit B
Exhibit B-3
N/A
Exhibit A-2
Exhibit A-3
Exhibit A-3
Exhibit B-1
Exhibit B-2
Exhibit B-2
Exhibit B-2
Exhibit B-3
N/A
N/A
ed in this checklist is complete and accurate.
Dana S. Hardy

/s/ Dana S. Hardy

1/8/24

Signed Name (Attorney or Party Representative):

Date:

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

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

CASE NO. 24993

SELF-AFFIRMED STATEMENT OF BRAD DUNN

- 1. I am a landman for Mewbourne Oil Company ("Mewbourne"). I am over 18 years of age, have personal knowledge of the matters addressed herein, and am competent to provide this Self-Affirmed Statement. I have previously testified before the New Mexico Oil Conservation Division ("Division"), and my credentials as an expert in petroleum land matters were accepted and made a matter of record.
- 2. I am familiar with the land matters involved in the above-referenced case. Copies of Mewbourne's Application and proposed hearing notice are attached as **Exhibit A-1**.
- 3. None of the parties proposed to be pooled in this case indicated opposition to this matter proceeding by affidavit, therefore I do not expect any opposition at hearing.
- 4. Mewbourne applies for an order pooling all uncommitted interests in the Wolfcamp formation underlying a 1,269.92 acre, more or less, non-standard horizonal spacing unit comprised of Sections 19 and 20, Township 21 South, Range 27 East, Eddy County, New Mexico ("Unit").
 - 5. Mewbourne seeks to dedicate the Unit to the following wells ("Wells"):
 - a. The Canal 20/19 Fed Com #712H well, which will be drilled from a surface hole location in the NE/4 NE/4 (Unit A) of Section 20 to a bottom hole location in the NW/4 NW/4 (Unit D) of Section 19;
 - b. The **Canal 20/19 Fed Com #714H** well, which will be drilled from a surface hole location in the NE/4 NE/4 (Unit A) of Section 20 to a bottom hole

- location in the SW/4 NW/4 (Unit E) of Section 19;
- c. The **Canal 20/19 Fed Com #716H** well, which will be drilled from a surface hole location in the SW/4 SW/4 (Unit M) of Section 21 to a bottom hole location in the NW/4 SW/4 (Unit L) of Section 19; and
- d. The **Canal 20/19 Fed Com #718H** well, which will be drilled from a surface hole location in the SW/4 SW/4 (Unit M) of Section 21 to a bottom hole location in the SW/4 SW/4 (Unit M) of Section 19.
- 6. The completed intervals of the Wells are expected to be orthodox.
- 7. **Exhibit A-2** contains the C-102s for the Wells.
- 8. **Exhibit A-3** contains a plat that identifies ownership by tract in the Unit. This exhibit also includes any applicable lease numbers, a unit recapitulation, and the interests Mewbourne seeks to pool highlighted in yellow. All of the interest owners are locatable in that Mewbourne believes it located valid addresses for them.
- 9. **Exhibit A-4** is a map that depicts the non-standard spacing unit in relation to the outline of a standard spacing unit. The map also identifies the interest owners in the tracts surrounding the proposed Unit, who were provided notice of Mewbourne's application.
- 10. Mewbourne's request for approval of a non-standard spacing unit will allow it to consolidate surface facilities and will consequently prevent surface, environmental, and economic waste.
 - a. The non-standard unit will allow Mewbourne to minimize surface use. Centralizing equipment for facilities for the Wells will reduce the total acreage needed for surface facilities by 2.8 of the total amount that would be necessary absent a nonstandard unit.

- b. Surface facilities and equipment, pipelines, and rights-of-way for one well cost approximately \$1,072,504.00. While the centralized facilities will be larger, so that they may handle production from multiple wells, I estimate the overall savings, if a non-standard unit is approved, will be approximately \$1,402,971.00. This will reduce the overall well costs and improve economics for the wells.
- c. A common facility also reduces the number of flares Mewbourne may need to use in the case of emergency from 4 to 1. Additionally, the VOC reduction is nearly 42%.
- 11. As a result, approval of a non-standard spacing unit is necessary to prevent waste and protect correlative rights.
- 12. **Exhibit A-5** contains a sample well proposal letter and AFE sent to the working interest owners for the Wells. The estimated costs reflected on the AFE are fair and reasonable and comparable to the cost of other wells of similar depth and length drilled in the subject formation in the area.
- 13. Mewbourne has conducted a diligent search of all county public records, including phone directories, internet searches, and computer databases to identify all potential addresses and contact information for each interest owner it seeks to pool.
- 14. In my opinion, Mewbourne made a good-faith effort to reach voluntary joinder of uncommitted interests in the Wells as indicated by the chronology of contact described in **Exhibit A-6.**
- 15. Mewbourne requests overhead and administrative rates of \$8,000.00 per month while the Wells are being drilled and \$800.00 per month while the Wells are producing. These rates are fair and are comparable to the rates charged by Mewbourne and other operators in the vicinity.

- 16. The attached exhibits were either prepared by me or under my supervision or were compiled from company business records.
- 17. In my opinion, the granting of Mewbourne's application would serve the interests of conservation, the protection of correlative rights, and the prevention of waste.
- 18. I understand this Self-Affirmed Statement will be used as written testimony in the subject cases. I affirm that my testimony above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date identified next to my signature below.

Brad Dunn

Date

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

APPLICATION OF MEWBOURNE OIL COMPANY FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT EDDY COUNTY, NEW MEXICO

CASE NO. 24993

APPLICATION

In accordance with NMSA § 70-2-17 and NMAC 19.15.16.15(B)(5), Mewbourne Oil Company, (OGRID No. 14744) ("Applicant") applies for an order pooling all uncommitted interests in the Wolfcamp formation underlying a 1,269.92 acre, more or less, non-standard horizonal spacing unit comprised of Sections 19 and 20, Township 21 South, Range 27 East, Eddy County, New Mexico ("Unit"). In support of its application, Mewbourne states the following:

- 1. Applicant is a working interest owner in the Unit and has the right to drill wells thereon.
 - 2. The Unit will be dedicated to the following wells ("Wells"):
 - a. The Canal 20/19 Fed Com #712H well, which will be drilled from a surface hole location in the NE/4 NE/4 (Unit A) of Section 20 to a bottom hole location in the NW/4 NW/4 (Unit D) of Section 19;
 - b. The **Canal 20/19 Fed Com #714H** well, which will be drilled from a surface hole location in the NE/4 NE/4 (Unit A) of Section 20 to a bottom hole location in the SW/4 NW/4 (Unit E) of Section 19;
 - c. The **Canal 20/19 Fed Com #716H** well, which will be drilled from a surface hole location in the SW/4 SW/4 (Unit M) of Section 21 to a bottom hole location in the NW/4 SW/4 (Unit L) of Section 19; and

Mewbourne Oil Company Case No. 24993 Exhibit A-1

- d. The **Canal 20/19 Fed Com #718H** well, which will be drilled from a surface hole location in the SW/4 SW/4 (Unit M) of Section 21 to a bottom hole location in the SW/4 SW/4 (Unit M) of Section 19.
- 3. The completed intervals of the Wells will be orthodox.
- 4. Approval of a non-standard horizontal spacing unit is necessary to prevent waste and protect correlative rights.
- 5. Applicant has undertaken diligent, good faith efforts to obtain voluntary agreements from all interest owners to participate in the drilling of the Wells but has been unable to obtain voluntary agreements from all interest owners.
- 6. The pooling of uncommitted interests will avoid the drilling of unnecessary wells, prevent waste, and protect correlative rights.
- 7. In order to allow Applicant to obtain its just and fair share of the oil and gas underlying the subject lands, all uncommitted interests in the Unit should be pooled and Applicant should be designated the operator of the Wells and the Unit.

WHEREFORE, Applicant requests that this application be set for hearing before an Examiner of the Oil Conservation Division on January 9, 2025, and, after notice and hearing as required by law, the Division enter an order:

- A. Approving a non-standard horizontal spacing unit pursuant to 19.15.16.15(B)(5) NMAC;
- B. Pooling all uncommitted interests in the Unit;
- C. Approving the Wells in the Unit;
- D. Designating Applicant as operator of the Unit and the Wells to be drilled thereon;

- E. Authorizing Applicant to recover its costs of drilling, equipping and completing the
 Wells;
- F. Approving the actual operating charges and costs of supervision while drilling and after completion, together with a provision adjusting the rates pursuant to the COPAS accounting procedures; and
- G. Imposing a 200% penalty for the risk assumed by Applicant in drilling and completing the Wells against any working interest owner who does not voluntarily participate in the drilling of the Wells.

Respectfully submitted,

HINKLE SHANOR LLP

/s/ Dana S. Hardy

Dana S. Hardy

Jaclyn M. McLean

Dylan M. Villescas

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jmclean@hinklelawfirm.com

dvillescas@hinklelawfirm.com

Counsel for Mewbourne Oil Company

Application of Mewbourne Oil Company for Compulsory Pooling and Approval of Non-Standard Spacing Unit, Eddy County, New Mexico. Mewbourne Oil Company ("Applicant") applies for an order pooling all uncommitted interests in the Wolfcamp formation underlying a 1,269.92 acre, more or less, non-standard horizonal spacing unit comprised of Sections 19 and 20, Township 21 South, Range 27 East, Eddy County, New Mexico ("Unit"). The Unit will be dedicated to the following wells ("Wells"): The Canal 20/19 Fed Com #712H well, which will be drilled from a surface hole location in the NE/4 NE/4 (Unit A) of Section 20 to a bottom hole location in the NW/4 NW/4 (Unit D) of Section 19; the Canal 20/19 Fed Com #714H well, which will be drilled from a surface hole location in the NE/4 NE/4 (Unit A) of Section 20 to a bottom hole location in the SW/4 NW/4 (Unit E) of Section 19; the Canal 20/19 Fed Com #716H well, which will be drilled from a surface hole location in the SW/4 SW/4 (Unit M) of Section 21 to a bottom hole location in the NW/4 SW/4 (Unit L) of Section 19; and the Canal 20/19 Fed Com #718H well, which will be drilled from a surface hole location in the SW/4 SW/4 (Unit M) of Section 21 to a bottom hole location in the SW/4 SW/4 (Unit M) of Section 19. The completed intervals of the Wells will be orthodox. Also to be considered will be the cost of drilling and completing the Wells and the allocation of the costs, the designation of Applicant as the operator of the Wells, and a 200% charge for the risk involved in drilling and completing the Wells. The Wells are located approximately 3 miles north of Carlsbad, New Mexico.

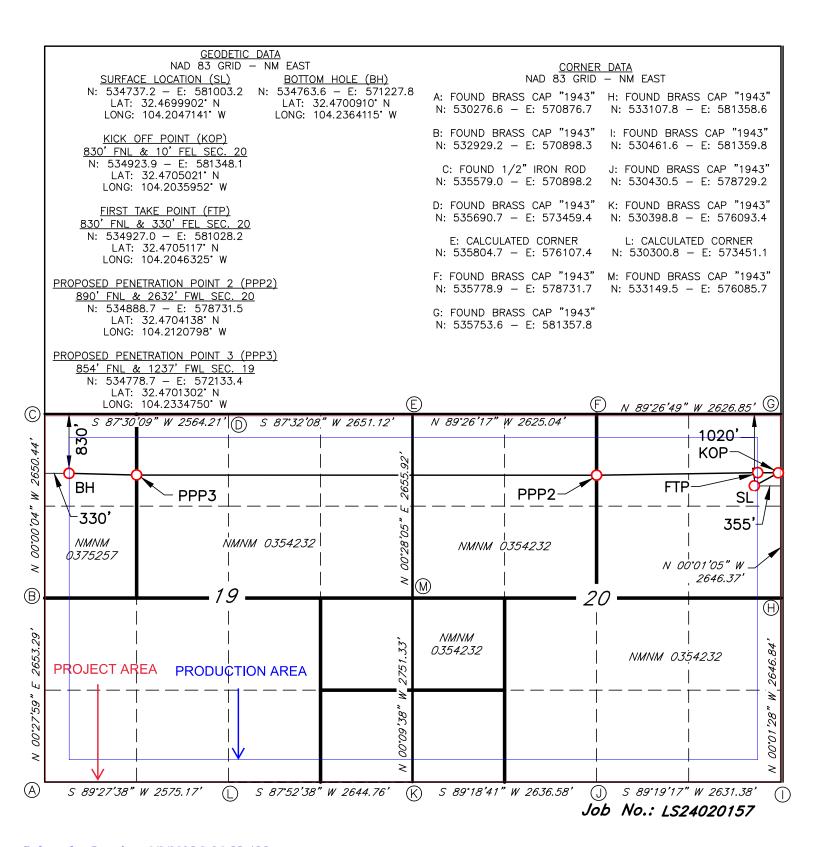
Mewbourne	Oil	Company	14	of 89
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	: Electronicall D Permitting			OIL (JONSERVA	HON DIVISION	TION DIVISION			ıbmittal
									☐ Amended	d Report
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					WELL LOCA	TION INFORMATION		1		
API Nı	ımber		Pool Code	74160		Pool Name Carlsbac	l; Wolfca	mp, Eas	t (Gas)	
Property Code Property Name CANAL 20/19 FED COM					COM				Well Number 712H	er
OGRID No. 14744 Operator Name MEWBOURNE OIL COMPANY					. COMPANY				Ground Lev 3207'	el Elevation
Surface Owner: □ State □ Fee □ Tribal □ Federal						Mineral Owner: S	State Fee [□ Tribal □	Federal	
					Surf	face Location				
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	L	Longitude	County
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UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	L	Longitude	County
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Order l	Numbers.	<u>-</u>		-		Well setbacks are und	ler Common (Ownership: [☐Yes □No	
					Kick (Off Point (KOP)				
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	I	Longitude	County
A	20	21S	27E		830 FNL	10 FEL	32.4705017		104.2035951	EDDY
	20	210	21 L		1	Take Point (FTP)				LDDT
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	L	Longitude	County
A	20	21S	27E		830 FNL	330 FEL	32.4704888		104.2046327	EDDY
	20	210	ZIL		1	ake Point (LTP)				LDDT
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	L	Longitude	County
D	19	21S	27E		830 FNL	330 FWL	32.4700910	0 -1	104.2364115	EDDY
	110	1210			10001111	0001772				2001
Unitize	d Area or Ar	ea of Uniform I	nterest	Spacing	Unit Type 🗹 Hori	zontal Vertical	Grour 3235'	nd Floor Ele	vation:	
OPERA	ATOR CERT	TIFICATIONS				SURVEYOR CERTIFIC	CATIONS			
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target node) in which any part of the well's completed					I hereby certify that the we surveys made by me or und my belief.	er my supervise	19680	de some is true an	m field notes of actual nd correct to the best of	
in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division. Connex Whitley 12/18/2024						1501	ONAL S	SREET		
Signature Date				Signature and Seal of Profess	ional Surveyor	``				
Conr	ner Whit	ley				Robert M.	Howe	1		
Printed 1						Certificate Number	Date of Surve	y		
cwh	itlev@m	ewbourne	e.com			19680	02/22	/2024		
cwhitley@mewbourne.com Email Address							-			

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

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.



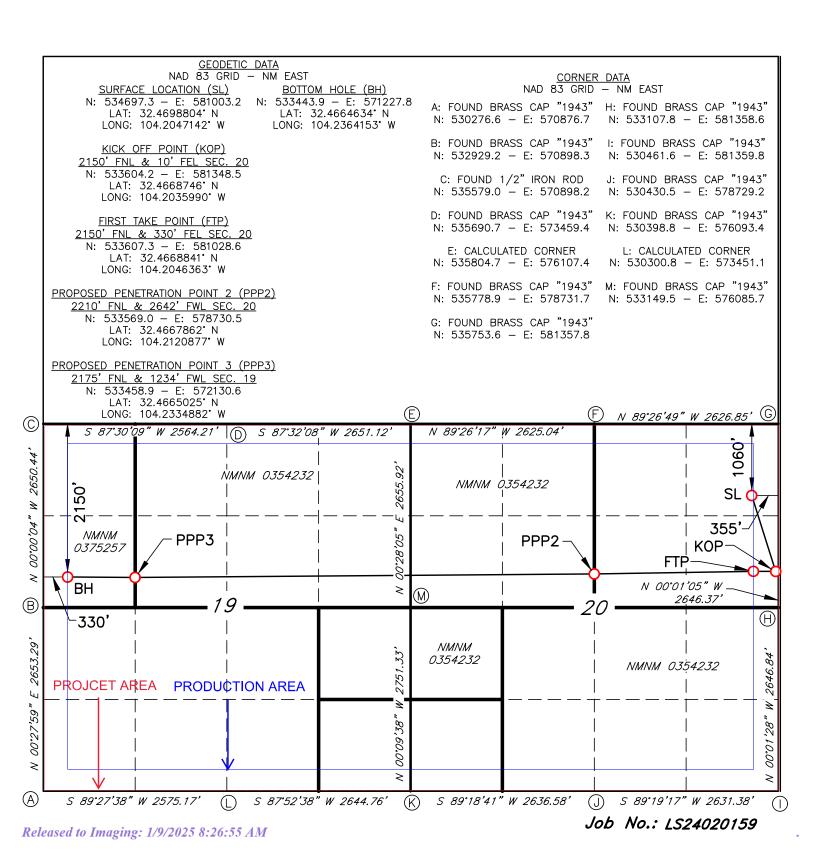
Energy, Minerals & Natu									
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- Invited to	T. 10.1		WELL LOCA	ATION INFORMATION					
API Number	Pool Code 74160			Pool Name Carlsbad; Wolfcamp, E	East (Gas)				
Property Code	Property N CANAL 2		СОМ				Well Numb 714H	er	
OGRID No. 14744	Operator N MEWBO		L COMPANY\				Ground Lev 3206'	rel Elevation	
Surface Owner: ☐ State ☐ Fe	ribal □ Fe	deral		Mineral Owner: S	State □ Fee	□ Tribal □	Federal		
			Su	face Location					
UL Section Townsh	p Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	1	Longitude	County	
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UL Section Townsh	p Range	Lot	Ft. from N/S	Ft. from E/W	Latitude]	Longitude	County	
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	11.00.11	1				-			
Dedicated Acres Infill or 1269.92	Defining Well	Defining	g Well API	Overlapping Spacing	Overlapping Spacing Unit (Y/N) Consolidation Code				
Order Numbers.		110		Well setbacks are und	ler Common (Ownership:	□Yes □No		
			Kiek	Off Point (KOP)					
UL Section Townsh	p Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	1	Longitude	County	
H 20 21S	27E		2150 FNI	_ 10 FEL	32.466873		104.2035990	EDDY	
20 2.0		2.	1):	Fake Point (FTP)					
UL Section Townsh	p Range	Lot	Ft. from N/S	Ft. from E/W	Latitude]	Longitude	County	
H 20 21S	27E		2150 FNI	_ 330 FEL	32.466860	2 -	104.2046369	EDDY	
			Last 1	Γake Point (LTP)					
UL Section Townsh	p Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	1	Longitude	County	
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Unitized Area or Area of Unife	rm Interest	Spacing	Unit Type 🗹 Hor	rizontal Vertical	Grou: 3234	nd Floor Ele	evation:		
OPERATOR CERTIFICATIO	NC .			SURVEYOR CERTIFIC	CATIONS				
I hereby certify that the information my knowledge and belief, and, if the organization either owns a working including the proposed bottom hole location pursuant to a contract wit interest, or to a voluntary pooling a entered by the division. If this well is a horizontal well, I fu consent of at least one lessee or ow	I hereby certify that the we surveys made by me or und my belief.	ell location sho	al Mety	at was plotted from the ame is true and	om field notes of actual nd correct to the best of				
in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division. Conner Whitley 12/18/2024					Tries .	ONAL S	SURIE		
Signature 2	Date			Signature and Seal of Profess	ional Surveyor	,)			
Conner Whitley				Robert M.	Howe				
Printed Name				Certificate Number	Date of Surve	•			
cwhitley@mewbou	rne.com			19680	02/2	2/2024	=		

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

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

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	Electronicall Permitting	у		OIL (CONSERVAT	TION DIVISION	16		☐ Initial Su	ıbmittal
								Submittal Type:	l ☐ Amende	d Report
								Type.	☐ As Drille	ed
		1.0	70		WELL LOCAT	TION INFORMATION	3.5		e.	2
API Nu	mber		Pool Code 74160			Pool Name Carlsbad; Wolfcamp, I	East (Gas)			,
Property	y Code		Property Na	ame 0/19 FED	СОМ				Well Numb 716H	er
OGRID 14744	No.		Operator Na MEWBOU		COMPANY				Ground Lev 3187'	vel Elevation
Surface	Owner: S	State 🗆 Fee 🗆	Tribal □ Fed	leral		Mineral Owner: S	State Fee [□ Tribal □	Federal	
<u> </u>					Surfa	ace Location				
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude		Longitude	County
L	21	21S	27E		1540 FSL	1130 FWL	32.4624634	ı -	104.1999079	EDDY
					Bottom	Hole Location	<u></u>	- !-		
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude		Longitude	County
L	19	21S	27E		1810 FSL	330 FWL	32.4627398	3 -	104.2364405	EDDY
			L.	1						
Dedicat	ed Acres	Infill or Defin	ning Well	Defining	Well API	Overlapping Spacing	Unit (Y/N)	Consolida	ation Code	
	lumbers.	žė.				Well setbacks are und	ler Common C)wnership:	□Yes □No	3
						- 1				
f	1	Γ	Г.	1.	i i	ff Point (KOP)		Ť.		
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude		Longitude	County
I	20	21S	27E		1810 FSL	10 FEL	32.463209	l -	104.2017123	EDDY
-						ake Point (FTP)				_
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude		Longitude	County
I	20	21S	27E		1810 FSL	330 FEL	32.4631699	9 -	104.2046402	EDDY
	1	r .		7	1	ike Point (LTP)		T		
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude		Longitude	County
L	19	21S	27E		1810 FSL	330 FWL	32.4627398	3 -	104.2364405	EDDY
Γ				1	,		1 -			
Unitized	d Area or Are	ea of Uniform I	nterest	Spacing	Unit Type 🗹 Horiz	zontal Vertical	3215'	nd Floor Ele	evation:	
OPERA	TOR CERT	IFICATIONS				SURVEYOR CERTIFIC	CATIONS			-
I hereby my know organiza	certify that the ledge and belic tion either own	information cont ef, and, if the well ns a working inter	l is a vertical or rest or unleased	directional v mineral inte	rest in the land	I hereby certify that the we surveys made by me or und my belief.	ell location show	on this pl	lat was plotted fro the same is true ar	om field notes of actual and correct to the best of
including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.						A S	19680			
If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.						ROFES	NAL SI	O TO		
Conner Whitley 12/18/2024							3/0	WAL S		
Signature			Date			Signature and Seal of Profess	ional Surveyor	`		
Conn	er Whit	ley			8	Robert M.	Howe	tt		
Printed N	lame					Certificate Number	Date of Surve	•		
cwhi	tley@m	ewbourne	e.com			19680	02/22	2/2024	ļ.	
Email Ad	Email Address									

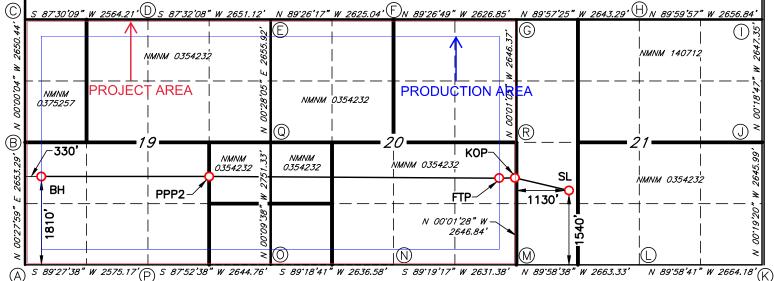
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.

GEODETIC DATA CORNER DATA NAD 83 GRID - NM EAST NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1943" SURFACE LOCATION (SL) J: FOUND BRASS CAP "1943" N: 532000.8 - E: 582488.9 N: 530276.6 - E: 570876.7 N: 533104.9 - E: 586671.1 LAT: 32.4624634° N K: FOUND BRASS CAP "1943" LONG: 104.1999079° W B: FOUND BRASS CAP "1943" N: 532929.2 - E: 570898.3 N: 530459.6 - E: 586686.0 KICK OFF POINT (KOP) 1810' FSL & 10' FEL SEC. 20 C: FOUND 1/2" IRON ROD L: FOUND BRASS CAP "1943" N: 532271.1 - E: 581349.0 N: 535579.0 - E: 570898.2 N: 530460.6 - E: 584022.5 LAT: 32.4632102° N LONG: 104.2036026° W D: FOUND BRASS CAP "1943" M: FOUND BRASS CAP "1943" N: 535690.7 - E: 573459.4 N: 530461.6 - E: 581359.8 FIRST TAKE POINT (FTP) 1810' FSL & 330' FEL SEC. E: CALCULATED CORNER N: FOUND BRASS CAP "1943" N: 535804.7 - E: 576107.4 N: 532267.3 - E: 581029.1 N: 530430.5 - E: 578729.2 LAT: 32.4632008° N F: FOUND BRASS CAP "1943" LONG: 104.2046399° W O: FOUND BRASS CAP "1943" N: 535778.9 - E: 578731.7 N: 530398.8 - E: 576093.4 PROPOSED PENETRATION POINT 2 (PPP2) 1804' FSL & 1318' FEL SEC. 19 G: FOUND BRASS CAP "1943" P: CALCULATED CORNER N: 532153.7 - E: 574771.1 N: 535753.6 - E: 581357.8 N: 530300.8 - E: 573451.1 LAT: 32.4629076° N Q: FOUND BRASS CAP "1943" H: FOUND 1" PIPE LONG: 104.2249307° W N: 535751.6 - E: 584000.5 N: 533149.5 - E: 576085.7 BOTTOM HOLE (BH) I: FOUND BRASS CAP "1943" R: FOUND BRASS CAP "1943" N: 532089.2 - E: 571221.3 LAT: 32.4627398° N N: 535751.6 - E: 586656.7 N: 533107.8 - E: 581358.6 LONG: 104.2364405° W



Job No.: LS24020161

<u>C-10</u>	_		En		nerals & Natu	ew Mexico ral Resources Departn ATION DIVISION	Resources Department		Revised July 9, 2024	
	Electronicall Permitting	у		OIL	CONSERVA	TION DIVISION		G 1	☐ Initial Su	ıbmittal
						Submitta Type:	□ Amende	d Report		
									☐ As Drille	ed
					WELL LOCA	ATION INFORMATION				
API Nu	mber		Pool Code 74160			Pool Name Carlsbad; Wolfcamp,	East (Gas)			
Propert	y Code		Property Na CANAL 20		СОМ	-			Well Numb 718H	er
OGRID 14744	No.		Operator Na MEWBOU		COMPANY				Ground Lev 3186'	el Elevation
Surface	Owner: 🗆 S	State Fee	Tribal Fed	leral		Mineral Owner:	State □ Fee	□ Tribal □	Federal	
					Sur	rface Location				
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude		Longitude	County
١.	21	21S	27E	201	1500 FSI		32.462353		-104.1999081	EDDY
L	2	213	216			m Hole Location	02.402000	0 1	104.1000001	EDDI
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Ť	Longitude	County
		1	•	Lot			32.459112		-104.2364792	
M	19	21S	27E		490 FSL	330 FWL	32.459112	4]-	-104.2304792	EDDY
D. F.	ed Acres	L C11 D . C.	337.11	l p.c.:	117-11 A DI	01	II. i OZAD	C1:1-	-4: C- 1-	
1269		Infill or Defin	ning Well	Defining	g Well API	Overlapping Spacing	Unit (Y/N)	Consolida	ation Code	
Order N	lumbers.	JF				Well setbacks are und	der Common	Ownership:	: □Yes □No	
						'				
		Γ	Γ-	1.		Off Point (KOP)	T			La
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude		Longitude	County
Р	20	21S	27E		490 FSL	10 FEL	32.459580	7 -	-104.2017156	EDDY
-						Take Point (FTP)	_			Ť
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude		Longitude	County
Р	20	21S	27E		490 FSL	330 FEL	32.459541	6 -	-104.2046434	EDDY
					Last 7	Take Point (LTP)				
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude		Longitude	County
M	19	21S	27E		490 FSL	330 FWL	32.459112	4 -	-104.2364792	EDDY
	Ď.	***	***			**	-0.	**		
Unitize	d Area or Ar	ea of Uniform I	nterest	Spacing	Unit Type 🗹 Ho	rizontal Vertical	Grou: 3214	nd Floor El	evation:	
OPER 4	mon genm	YEVO L TO VO				T GANDA WAYOO GANDANA	G + 77 C) 17			
OPERA	TOR CERT	IFICATIONS				SURVEYOR CERTIFIC	CATIONS			
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. If this well is a horizontal well, I further certify that this organization has received the					I hereby certify that the w surveys made by me or und my belief.	der my supervisi	MEXICO	lat was plotted from the same is true and the same	m field notes of actual nd correct to the best of	
consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division. Conner Whitley 12/18/2024					t	PROFFESSIO	NAL SU	/ <i>[</i> ; /		
Signature			Date			Signature and Seal of Profess	sional Surveyor	`		
Conn	er Whit	ley				Robert M.	Howet	,t		
Printed N	lame					Certificate Number	Date of Surve	•		
cwhi	tley@m	ewbourne	e.com			19680	02/22	/2024	:	
Email Ac						33				

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.

NAD 83 GRID — NM EAST

<u>SURFACE LOCATION (SL)</u> N: 531960.9 – E: 582488.9

> LAT: 32.4623536° N LONG: 104.1999081° W

KICK OFF POINT (KOP)
490' FSL & 10' FEL SEC. 20

N: 530951.4 — E: 581349.6 LAT: 32.4595826° N LONG: 104.2036060° W

FIRST TAKE POINT (FTP) 490' FSL & 330' FEL SEC. 20

N: 530947.6 - E: 581029.7 LAT: 32.4595732° N LONG: 104.2046432° W

PROPOSED PENETRATION POINT 2 (PPP2)

467' FSL & 1319' FWL SEC. 20 N: 530882.0 - E: 577410.7 LAT: 32.4594043' N

LAT: 32.4594043° N LONG: 104.2163767° W

<u>BOTTOM HOLE (BH)</u> N: 530769.6 – E: 571210.6

LAT: 32.4591124° N LONG: 104.2364792° W <u>CORNER DATA</u> NAD 83 GRID — NM EAST

A: FOUND BRASS CAP "1943" N: 530276.6 - E: 570876.7

B: FOUND BRASS CAP "1943" N: 532929.2 - E: 570898.3

C: FOUND 1/2" IRON ROD N: 535579.0 - E: 570898.2

D: FOUND BRASS CAP "1943" N: 535690.7 - E: 573459.4

E: CALCULATED CORNER N: 535804.7 - E: 576107.4

F: FOUND BRASS CAP "1943" N: 535778.9 - E: 578731.7

G: FOUND BRASS CAP "1943" N: 535753.6 - E: 581357.8

H: FOUND 1" PIPE N: 535751.6 - E: 584000.5

I: FOUND BRASS CAP "1943" N: 535751.6 - E: 586656.7 J: FOUND BRASS CAP "1943" N: 533104.9 - E: 586671.1

K: FOUND BRASS CAP "1943"

N: 530459.6 — E: 586686.0

L: FOUND BRASS CAP "1943" N: 530460.6 - E: 584022.5

M: FOUND BRASS CAP "1943" N: 530461.6 - E: 581359.8

N: FOUND BRASS CAP "1943"

N: 530430.5 – E: 578729.2

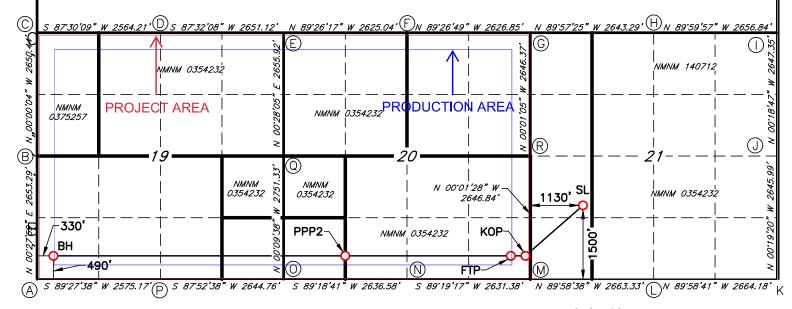
O: FOUND BRASS CAP "1943" N: 530398.8 - E: 576093.4

P: CALCULATED CORNER N: 530300.8 - E: 573451.1

Q: FOUND BRASS CAP "1943" N: 533149.5 - E: 576085.7

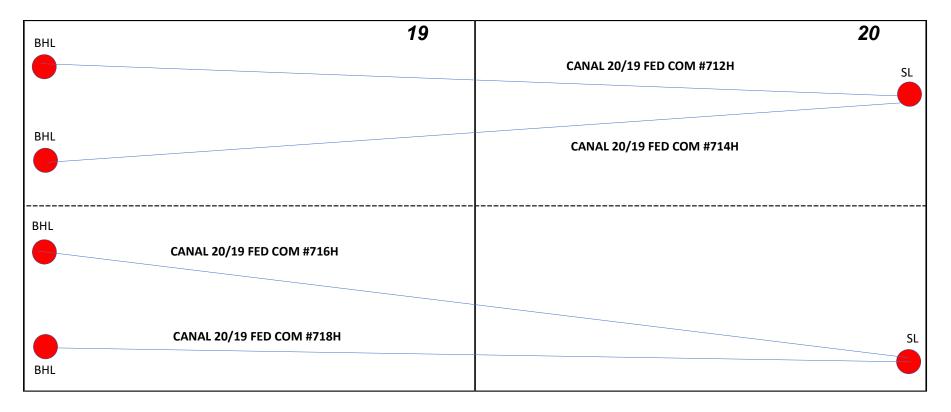
R: FOUND BRASS CAP "1943"

N: 533107.8 – E: 581358.6



Job No.: LS24020163

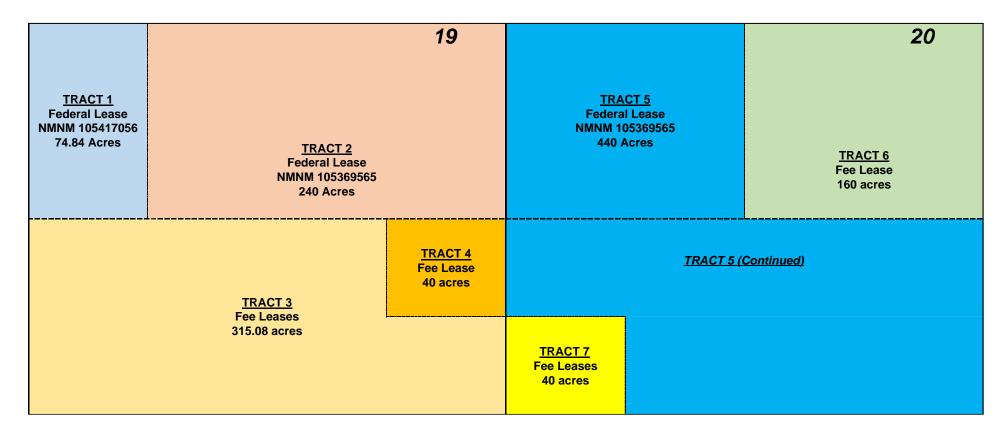
CANAL 20/19 FED COM #712H
CANAL 20/19 FED COM #714H
CANAL 20/19 FED COM #716H
CANAL 20/19 FED COM #718H
All of Sections 19 & 20, T21S, R27E
Eddy County, New Mexico



Mewbourne Oil Company Case No. 24993 Exhibit A-3

Section Plat

CANAL 20/19 FED COM #712H CANAL 20/19 FED COM #714H CANAL 20/19 FED COM #716H CANAL 20/19 FED COM #718H All of Sections 19 & 20, T21S, R27E Eddy County, New Mexico



TRACT OWNERSHIP

CANAL 20/19 FED COM #712H CANAL 20/19 FED COM #714H CANAL 20/19 FED COM #716H CANAL 20/19 FED COM #718H All of Sections 19 & 20, T21S, R27E Eddy County, New Mexico

ALL of Sections 19 & 20, T21S, R27E: Wolfcamp formation:

	% Leasehold Interest
Mewbourne Oil Company, et al	60.366717%
Devon Energy Production Company *	23.116586%
Redfern Enterprises, Inc. *	13.268949%
Wynn-Crosby Partners III, Ltd. *	2.387158%
Marathon Oil Permian LLC *	0.795719%
Harvey R. Hicks, Jr. *	0.055603%
Bill Britton *	0.004634%
Cheryl Beck*	0.004634%
TOTAL	100.000000%

^{*} Total interest being pooled: 39.633283%

OWNERSHIP BY TRACT

Lots 1 & 2 (W/2NW/4) Section 19 (74.84 Acres):

Mewbourne Oil Company, et al	49.606251%
Wynn-Crosby Partners III, Ltd.	37.893749%
Marathon Oil Permian LLC	12.500000%
	100.000000%

NE/4 & E/2NW/4 Section 19 (240.00 Acres):

Mewbourne Oil Company, et al

Mewbourne Oil Company, et al

Mewbourne Oil Company, et al

2.18750%

Devon Energy Production Company 74.101120%

Redfern Enterprises, Inc. 23.398880%

Marathon Oil Permian LLC 0.312500%

100.000000%

NE/4SE/4 Section 19 (40.00 Acres):

% Leasehold Interest

Mewbourne Oil Company, et al 52.500000%

Devon Energy Production Company 24.101120%

Redfern Enterprises, Inc. 23.398880%

100.000000%

SW/4, W/2SE/4, & SE/4SE/4 Section 19 (275.08 Acres):

% Leasehold Interest

Mewbourne Oil Company, et al 99.701577%

Harvey R. Hicks, Jr. 0.127896%

Bill Britton 0.127896%

Cheryl Beck 0.042632%

100.000000%

NW/4, N/2SW/4, SE/4SW/4, & SE/4 Section 20 (440.00 Acres):

% Leasehold Interest

Mewbourne Oil Company, et al 52.500000%

Devon Energy Production Company 24.101120%

Redfern Enterprises, Inc. 23.398880%

100.000000%

NE/4 Section 20 (160.00 Acres):

Mewbourne Oil Company, et al

<u>% Leasehold Interest</u> <u>100.00000%</u>

100.000000%

SW/4SW/4 Section 20 (40.00 Acres):

Mewbourne Oil Company, et al

 $\frac{\% \ Leasehold \ Interest}{100.000000\%}$

100.000000%

<u>Tract No. 1:</u> Lots 1 & 2 (W/2NW/4) Section 19— FEDERAL LEASE NMNM 105417056

Mewbourne Oil Company, et al

Wynn-Crosby Partners III, Ltd.

Marathon Oil Permian LLC

Tract No. 2: NE/4 & E/2NW/4 Section 19— FEDERAL LEASE NMNM 105369565

Mewbourne Oil Company, et al

Devon Energy Production Company

Redfern Enterprises, Inc.

Marathon Oil Permian LLC

Tract No. 3: SW/4, W/2SE/4, & SE/4SE/4 Section 19— FEE LEASES

Mewbourne Oil Company, et al

Harvey R. Hicks, Jr.

Bill Britton

Cheryl Beck

Tract No. 4: NE/4SE/4 Sec. 19— FEE LEASE

Mewbourne Oil Company, et al

Devon Energy Production Company

Redfern Enterprises, Inc.

<u>Tract No. 5:</u> NW/4, N/2SW/4, SE/4SW/4, & SE/4 Section 20— FEDERAL LEASE NMNM 105369565

Mewbourne Oil Company, et al

Devon Energy Production Company

Redfern Enterprises, Inc.

Tract No. 6: NE/4 Section 20— FEE LEASE

Mewbourne Oil Company, et al

Tract No. 7: SW/4SW/4 Section 20— FEE LEASES

Mewbourne Oil Company, et al

RECAPITUALTION

CANAL 20/19 FED COM #712H CANAL 20/19 FED COM #714H CANAL 20/19 FED COM #716H CANAL 20/19 FED COM #718H All of Sections 19 & 20, T21S, R27E Eddy County, New Mexico

Tract Number	Number of Acres Committed	Percentage of Interest In Communitized Area
1	74.84	5.893285%
2	240.00	18.898828%
3	40.00	3.149805%
4	275.08	21.661207%
5	440.00	34.647852%
6	160.00	12.599219%
7	40.00	3.149804%
TOTAL	1269.92	100.00000%



Mewbourne Oil Company Case No. 24993 Exhibit A-4

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

TELEPHONE (432) 682-3715

November 29, 2023

Via Certified Mail

Devon Energy Production Company LP 333 W. Sheridan Ave. Oklahoma City, Oklahoma 73102 Attn: Permian Land Manager

Re:

- 1. CANAL 20-19 FED COM #712H AFE
- 2. CANAL 20-19 FED COM #714H AFE
- 3. CANAL 20-19 FED COM #716H AFE
- 4. CANAL 20-19 FED COM #718H AFE
- 5. ELYSIAN FIELDS 29-30 FEE #712H AFE
- 6. ELYSIAN FIELDS 29-30 FEE #714H AFE
- 7. ELYSIAN FIELDS 29-30 FEE #716H AFE
- 8. ELYSIAN FIELDS 29-30 FEE #718H AFE
- 9. CANAL 19/20 Joint Operating Agreement dated November 20, 2023, covering All of Sections 19 & 20, T21S, R27E, Eddy County, New Mexico
- 10. ELYSIAN FIELDS 29/30 Joint Operating Agreement dated November 25, 2023, covering All of Sections 29 & 30, T21S, R27E, Eddy County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form two separate 1,280.00 acre, more or less, Working Interest Units ("WIU") covering all of the above captioned Sections 19, 20, 29, & 30 for oil and gas production. The targeted interval for the proposed units is the Wolfcamp formation. hereby proposes to drill the following horizontal Wolfcamp wells:

- 1. CANAL 20/19 FED COM #712H will have a surface location 1020' FNL & 250' FEL of the above captioned Section 20 and a bottom hole location approximately 830' FNL & 330' FWL of the above captioned Section 19. We anticipate drilling to an approximate total vertical depth of 8,760' and an approximate total measured depth of 19,230'. All of Sections 19 & 20 will be dedicated to the well as the proration unit.
- 2. CANAL 20/19 FED COM #714H will have a surface location 1060' FNL & 250' FEL of the above captioned Section 20 and a bottom hole location approximately 2150' FNL & 330' FWL of the above captioned Section 19. We anticipate drilling to an approximate total vertical depth of 8,760' and an approximate total measured depth of 19,230'. All of Sections 19 & 20 will be dedicated to the well as the proration unit.

Mewbourne Oil Company Case No. 24993 Exhibit A-5

- 3. CANAL 20/19 FED COM #716H will have a surface location 680' FSL & 205' FWL of Section 21 and a bottom hole location approximately 1810' FSL & 330' FWL of the above captioned Section 19. We anticipate drilling to an approximate total vertical depth of 8,760' and an approximate total measured depth of 19,230'. All of Sections 19 & 20 will be dedicated to the well as the proration unit.
- 4. CANAL 20/19 FED COM #718H will have a surface location 640' FSL & 205' FWL of Section 21 and a bottom hole location approximately 490' FSL & 330' FWL of the above captioned Section 19. We anticipate drilling to an approximate total vertical depth of 8,760' and an approximate total measured depth of 19,230'. All of Sections 19 & 20 will be dedicated to the well as the proration unit.
- 5. ELYSIAN FIELDS 29/30 FEE #712H will have a surface location 1620' FNL & 205' FEL of the above captioned Section 29 and a bottom hole location approximately 830' FNL & 330' FWL of the above captioned Section 30. We anticipate drilling to an approximate total vertical depth of 8,760' and an approximate total measured depth of 19,230'. All of Sections 29 & 30 will be dedicated to the well as the proration unit.
- 6. ELYSIAN FIELDS 29/30 FEE #714H will have a surface location 1660' FNL & 205' FEL of the above captioned Section 29 and a bottom hole location approximately 2150' FNL & 330' FWL of the above captioned Section 30. We anticipate drilling to an approximate total vertical depth of 8,760' and an approximate total measured depth of 19,230'. All of Sections 29 & 30 will be dedicated to the well as the proration unit.
- 7. ELYSIAN FIELDS 29/30 FEE #716H will have a surface location 2080' FSL & 400' FWL of Section 28 and a bottom hole location approximately 1810' FSL & 330' FWL of the above captioned Section 30. We anticipate drilling to an approximate total vertical depth of 8,760' and an approximate total measured depth of 19,230'. All of Sections 29 & 30 will be dedicated to the well as the proration unit.
- 8. ELYSIAN FIELDS 29/30 FEE #718H will have a surface location 2040' FSL & 400' FWL of Section 28 and a bottom hole location approximately 490' FSL & 330' FWL of the above captioned Section 30. We anticipate drilling to an approximate total vertical depth of 8,760' and an approximate total measured depth of 19,230'. All of Sections 29 & 30 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling are our AFEs dated November 20, 2023, for the captioned proposed wells. In the event your firm elects to participate in the proposed wells, please execute the enclosed AFEs and return them to me within thirty (30) days.

Our proposed Operating Agreements will have COPAS rates of \$10,000/month while drilling, \$1000/month for a producing well and a non-consent penalty of 100%/300%. Should you wish to participate, please email me at bdunn@mewbourne.com and I will promptly email you a copy of the CANAL 19/20 & ELYSIAN FIELDS 29/30 Operating Agreements dated November 20, 2023 & November 25, 2023, for your review.

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

Sincerely,

MEWBOURNE OIL COMPANY

Brad Dunn

Petroleum Landman

AUTHORIZATION FOR EXPENDITURE

Well Name: CANAL 20/19 FED COM #712H Pros	pect: C	ANAL		
			ST: NM	
Sec. 20 Blk: Survey: TWP: 21S	RNG:	27E Prop. TV	D: 8760	TMD: 19230
INTANGIBLE COSTS 0180	CODE	ТСР	CODE	СС
Regulatory Permits & Surveys	0180-010	920,000	0180-0200	
Location / Road / Site / Preparation Location / Restoration	0180-010 0180-010		0180-0205	\$35,000 \$80,000
Daywork / Turnkey / Footage Drilling 20 days drlg / 3 days comp @ \$28000/d	0180-010		0180-0206	\$89,700
Fuel 1700 gal/day @ \$3.9/gal	0180-011	4 \$141,600	0180-0214	\$295,000
Alternate Fuels Mud, Chemical & Additives	0180-011		0180-0215	\$67,000
Mud - Specialized	0180-012 0180-012		0180-0220	
Horizontal Drillout Services	0.5.	, , , , , , , , , , , , , , , , , , ,	0180-0222	\$200,000
Stimulation Toe Preparation	- : 046	2450.000	0180-0223	\$25,000
Cementing Logging & Wireline Services	0180-012 0180-013		0180-0225	\$55,000 \$362,000
Casing / Tubing / Snubbing Services	0180-013		0180-0234	\$16,000
Mud Logging	0180-013	7 \$15,000		
Stimulation 61 Stg 25.3 MM gal / 25.3 MM lb Stimulation Rentals & Other			0180-0241 0180-0242	\$2,744,000 \$254,000
Water & Other	0180-014	5 \$35,000	0180-0242	\$254,000 \$160,000
Bits	0180-014	8 \$96,100	0180-0248	
Inspection & Repair Services	0180-015		0180-0250	\$5,000
Misc. Air & Pumping Services	0180-015		0180-0254	\$10,000
Testing & Flowback Services Completion / Workover Rig	0180-015	8 \$12,000	0180-0258 0180-0260	\$20,000 \$10,500
Rig Mobilization	0180-016	\$150,000		Ψ10,000
Transportation	0180-016	5 \$30,000	0180-0265	\$46,000
Welding, Construction & Maint. Services	0180-016		0180-0268	\$16,500
Contract Services & Supervision Directional Services Includes Vertical Control	0180-017		0180-0270	\$70,000
Directional Services Includes Vertical Control Equipment Rental	0180-017 0180-018		0180-0280	\$30,000
Well / Lease Legal	0180-018		0180-0284	Ψ = 0,
Well / Lease Insurance	0180-018		0180-0285	
Intangible Supplies	0180-018		0180-0288	\$1,000
Damages Pipeline Interconnect, ROW Easements	0180-019 0180-019		0180-0290 0180-0292	\$10,000 \$5,000
Company Supervision	0180-019		0180-0292	\$3,600
Overhead Fixed Rate	0180-019	6 \$10,000	0180-0296	\$20,000
· / / /	0180-019		0180-0299	\$233,300
TOTAL	<u> </u>	\$2,805,600		\$4,899,600
TANGIBLE COSTS 0181		7.15.40		
Casing (19.1" – 30") 400' - 20" 94# J-55 BTC @ \$106.37/ft Casing (10.1" – 19.0") 950' - 13 3/8" 54.5# J-55 ST&C @ \$47.92/ft	0181-079		-	
	0181-079	5 \$82,000)	
Casing (10.1 - 19.0) 950 - 13 3/8 54.5# J-55 S1&C @ \$47.92/ft Casing (8.1" - 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" - 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft		+- ,		
Casing (8.1" - 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" - 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" - 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft	0181-079	+- ,	0181-0797	
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft	0181-079 0181-079	\$349,300	0181-0797 0181-0798	
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head	0181-079	\$349,300	0181-0797 0181-0798	\$153,400
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft	0181-079 0181-079	\$349,300	0181-0797 0181-0798	\$153,400 \$30,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift	0181-079 0181-079	\$349,300	0181-0797 0181-0798 0181-0870	\$153,400 \$30,000 \$75,000 \$25,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump	0181-079 0181-079	\$349,300	0181-0797 0181-0798 0181-0870 0181-0871 0181-0880 0181-0886	\$251,800 \$153,400 \$30,000 \$75,000 \$25,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB	0181-079 0181-079	\$349,300	0181-0798 0181-0798 0181-0870 0181-0870 0181-0880 0181-0886 0181-0890	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR	0181-079 0181-079	\$349,300	0181-0797 0181-0798 0181-0870 0181-0871 0181-0880 0181-0886	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps Storage Tanks (1/4) (1/2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR	0181-079 0181-079	\$349,300	0181-0797 0181-0798 0181-0870 0181-0871 0181-0880 0181-0886 0181-0890 0181-0892	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps Storage Tanks (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment (1/4) (2)TEST H SEP (1)V SEP /(2)VHT Automation Metering Equipment Oil/Gas Pipeline-Pipe/Valves&Misc	0181-079 0181-079	\$349,300	0181-0798 0181-0798 0181-0870 0181-0871 0181-0880 0181-0886 0181-0890 0181-0895 0181-0898 0181-0900	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$60,000 \$17,500
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment (1/4) (2)TEST H SEP (1)V SEP /(2)VHT Automation Metering Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves & Misc	0181-079 0181-079	\$349,300	0181-0798 0181-0798 0181-0870 0181-0880 0181-0886 0181-0890 0181-0892 0181-0895 0181-0990 0181-0900	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$17,500 \$2,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps Storage Tanks (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment (1/4) (2)TEST H SEP (1)V SEP /(2)VHT Automation Metering Equipment (1/4) (2)TEST H SEP (1)V SEP /(2)VHT On-site Valves/Fittings/Lines&Misc	0181-079 0181-079	\$349,300	0181-0798 0181-0798 0181-0870 0181-0871 0181-0880 0181-0886 0181-0890 0181-0895 0181-0898 0181-0900 0181-0900 0181-0901	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$60,000 \$17,500 \$2,000 \$170,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment (1/4) (2)TEST H SEP (1)V SEP /(2)VHT Automation Metering Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves & Misc	0181-079 0181-079	\$349,300	0181-0798 0181-0798 0181-0870 0181-0880 0181-0886 0181-0890 0181-0892 0181-0895 0181-0990 0181-0900	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$17,500 \$2,000 \$170,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves & Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction	0181-079 0181-079	\$349,300	0181-0798 0181-0798 0181-0870 0181-0871 0181-0880 0181-0890 0181-0892 0181-0895 0181-0990 0181-0900 0181-0900 0181-0900 0181-0900	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$17,500 \$2,000 \$170,000 \$75,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves & Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Cathodic Protection Electrical Installation	0181-079 0181-079	\$349,300	0181-0798 0181-0798 0181-0870 0181-0871 0181-0880 0181-0896 0181-0895 0181-0895 0181-0990 0181-0900 0181-0900 0181-0900 0181-0908 0181-0909 0181-0909 0181-0909	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$17,500 \$170,000 \$75,000 \$95,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves&Misc Watlhead Flowlines - Construction Cathodic Protection Electrical Installation Oil/Gas Pipeline - Construction	0181-079 0181-079	\$349,300	0181-0798 0181-0798 0181-0870 0181-0871 0181-0880 0181-0890 0181-0892 0181-0895 0181-0990 0181-0900 0181-0900 0181-0907 0181-0908 0181-0909 0181-0909 0181-0909 0181-0909	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$17,500 \$170,000 \$75,000 \$95,000 \$175,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves & Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Equipment Installation Equipment Installation Oil/Gas Pipeline - Construction Water Pipeline - Construction	0181-079 0181-079	6 \$349,300	0181-0797 0181-0798 0181-0870 0181-0871 0181-0880 0181-0886 0181-0890 0181-0895 0181-0895 0181-0901 0181-0901 0181-0907 0181-0908 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0920 0181-0920	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$17,500 \$2,000 \$170,000 \$75,000 \$75,000 \$15,000
Casing (8.1" – 10.0") Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment Oil/Gas Pipeline-Pipe/Valves& Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Electrical Installation Equipment Installation Oil/Gas Pipeline - Construction Water Pipeline - Construction	0181-079 0181-079	\$575,400	0181-0797 0181-0798 0181-0870 0181-0880 0181-0886 0181-0890 0181-0895 0181-0895 0181-0900 0181-0901 0181-0907 0181-0908 0181-0909 0181-0909 0181-0909 0181-0920 0181-0921	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$17,500 \$2,000 \$170,000 \$75,000 \$75,000 \$15,000 \$15,000 \$11,227,200
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment Automation Metering Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves & Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Cathodic Protection Electrical Installation Equipment Installation Oil/Gas Pipeline - Construction	0181-079 0181-079	6 \$349,300	0181-0797 0181-0798 0181-0870 0181-0880 0181-0886 0181-0890 0181-0895 0181-0895 0181-0900 0181-0901 0181-0907 0181-0908 0181-0909 0181-0909 0181-0909 0181-0920 0181-0921	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$17,500 \$170,000 \$75,000 \$95,000
Casing (8.1" – 10.0") Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment Automation Metering Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves & Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Equipment Installation Oil/Gas Pipeline - Construction Water Pipeline - Construction TOTAL SUBTOTAL TOTAL WELL COST	0181-079 0181-079	\$575,400 \$3,381,000	0181-0797 0181-0798 0181-0870 0181-0880 0181-0886 0181-0890 0181-0895 0181-0895 0181-0900 0181-0901 0181-0907 0181-0908 0181-0909 0181-0909 0181-0909 0181-0920 0181-0921	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$17,500 \$2,000 \$170,000 \$75,000 \$75,000 \$15,000 \$15,000 \$11,227,200
Casing (8.1" – 10.0") Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment Automation Metering Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves & Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Electrical Installation Equipment Installation Oil/Gas Pipeline - Construction Water Pipeline - Construction TOTAL SUBTOTAL Extra Expense Insurance	0181-079 0181-079	\$575,400 \$3,381,000	0181-0797 0181-0798 0181-0870 0181-0871 0181-0880 0181-0890 0181-0895 0181-0895 0181-0990 0181-0900 0181-0900 0181-0900 0181-0900 0181-0900 0181-0900 0181-0900 0181-0900 0181-0900 0181-0900	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$17,500 \$2,000 \$170,000 \$75,000 \$75,000 \$15,000 \$15,000 \$11,227,200
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment Automation Metering Equipment Automation Metering Equipment Oil/Gas Pipeline-Pipe/Valves& Misc Water Pipeline-Pipe/Valves& Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Cathodic Protection Electrical Installation Gui/Gas Pipeline - Construction Water Pipeline - Construction TOTAL SUBTOTAL TOTAL WELL COST Extra Expense Insurance	0181-079 0181-079 0181-086	\$575,400 \$3,381,000 \$9,5	0181-0797 0181-0798 0181-0870 0181-0880 0181-0886 0181-0890 0181-0895 0181-0895 0181-0900 0181-0901 0181-0907 0181-0908 0181-0909 0181-0909 0181-0910 0181-0920 0181-0921	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$17,500 \$2,000 \$170,000 \$75,000 \$75,000 \$15,000 \$15,000 \$11,227,200
Casing (8.1" – 10.0") Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment Automation Metering Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves & Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Electrical Installation Equipment Installation Oil/Gas Pipeline - Construction Water Pipeline - Construction TOTAL SUBTOTAL Extra Expense Insurance	0181-079 0181-079 0181-086	\$575,400 \$3,381,000 \$9,5	0181-0797 0181-0798 0181-0870 0181-0880 0181-0886 0181-0890 0181-0895 0181-0895 0181-0900 0181-0901 0181-0907 0181-0908 0181-0909 0181-0909 0181-0910 0181-0920 0181-0921	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$17,500 \$2,000 \$170,000 \$75,000 \$75,000 \$15,000 \$15,000 \$11,227,200
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AUTHORIZATION FOR EXPENDITURE

Well Name: CANAL 20/19 FED COM #714H Pros	pect: CANAL	
Location: SL: 1060 FNL & 250 FEL (20); BHL: 2150 FNL & 330 FWL (19)	ounty: Eddy	ST: NM
Sec. 20 Blk: Survey: TWP: 21S	RNG: 27E Prop. T	VD: 8760 TMD: 19230
INTANGIBLE COSTS 0180	CODE TCP	CODE CC
Regulatory Permits & Surveys Location / Road / Site / Preparation		00 0180-0200 00 0180-0205 \$35,000
Location / Restoration		00 0180-0205 \$35,000
Daywork / Turnkey / Footage Drilling 20 days drlg / 3 days comp @ \$28000/d	0180-0110 \$598,1	00 0180-0210 \$89,700
Fuel 1700 gal/day @ \$3.9/gal		00 0180-0214 \$295,000
Alternate Fuels Mud, Chemical & Additives	0180-0115 0180-0120 \$60,0	0180-0215 \$67,000 00 0180-0220
Mud - Specialized		00 0180-0221
Horizontal Drillout Services		0180-0222 \$200,000
Stimulation Toe Preparation Cementing	0180-0125 \$150,0	0180-0223 \$25,000 00 0180-0225 \$55,000
Logging & Wireline Services		00 0180-0230 \$362,000
Casing / Tubing / Snubbing Services		00 0180-0234 \$16,000
Mud Logging C4 Str. 05 2 MM rel / 05 2 MM lb	0180-0137 \$15,0	
Stimulation 61 Stg 25.3 MM gal / 25.3 MM lb Stimulation Rentals & Other		0180-0241 \$2,744,000 0180-0242 \$254,000
Water & Other	0180-0145 \$35,0	00 0180-0245 \$160,000
Bits		00 0180-0248
Inspection & Repair Services Misc. Air & Pumping Services		00 0180-0250 \$5,000 0180-0254 \$10,000
Testing & Flowback Services	0180-0154 0180-0158 \$12,0	0180-0254 \$10,000 00 0180-0258 \$20,000
Completion / Workover Rig	ψ1 <u>2,</u> 0	0180-0260 \$10,500
Rig Mobilization	0180-0164 \$150,0	
Transportation Wolding Construction 9 Maint Sources		00 0180-0265 \$46,000
Welding, Construction & Maint. Services Contract Services & Supervision		00 0180-0268 \$16,500 00 0180-0270 \$70,000
Directional Services Includes Vertical Control	0180-0175 \$323,0	
Equipment Rental		00 0180-0280 \$30,000
Well / Lease Legal Well / Lease Insurance		00 0180-0284 00 0180-0285
Intangible Supplies		00 0180-0288 \$1,000
Damages		00 0180-0290 \$10,000
Pipeline Interconnect, ROW Easements	0180-0192	0180-0292 \$5,000
Company Supervision Overhead Fixed Rate		00 0180-0295 \$39,600 00 0180-0296 \$20,000
Contingencies 5% (TCP) 5% (CC)		00 0180-0299 \$233,300
TOTAL	\$2,805,6	\$4,899,600
TANGIBLE COSTS 0181		
Casing (19.1" – 30") 400' - 20" 94# J-55 BTC @ \$106.37/ft	0181-0793 \$45,4	
Casing (19.1" – 30") 400' - 20" 94# J-55 BTC @ \$106.37/ft Casing (10.1" – 19.0") 950' - 13 3/8" 54.5# J-55 ST&C @ \$47.92/ft	0181-0794 \$48,7	00
Casing (19.1" – 30") 400' - 20" 94# J-55 BTC @ \$106.37/ft Casing (10.1" – 19.0") 950' - 13 3/8" 54.5# J-55 ST&C @ \$47.92/ft Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft	0181-0794 \$48,7 0181-0795 \$82,0	00
Casing (19.1" – 30") 400' - 20" 94# J-55 BTC @ \$106.37/ft Casing (10.1" – 19.0") 950' - 13 3/8" 54.5# J-55 ST&C @ \$47.92/ft	0181-0794 \$48,7	00
Casing (19.1" – 30") 400' - 20" 94# J-55 BTC @ \$106.37/ft Casing (10.1" – 19.0") 950' - 13 3/8" 54.5# J-55 ST&C @ \$47.92/ft Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft	0181-0794 \$48,7' 0181-0795 \$82,0' 0181-0796 \$349,3'	00
Casing (19.1" – 30") 400' - 20" 94# J-55 BTC @ \$106.37/ft Casing (10.1" – 19.0") 950' - 13 3/8" 54.5# J-55 ST&C @ \$47.92/ft Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head	0181-0794 \$48,7 0181-0795 \$82,0	00
Casing (19.1" – 30") 400' - 20" 94# J-55 BTC @ \$106.37/ft Casing (10.1" – 19.0") 950' - 13 3/8" 54.5# J-55 ST&C @ \$47.92/ft Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft	0181-0794 \$48,7' 0181-0795 \$82,0' 0181-0796 \$349,3'	000
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Casing (19.1" – 30")	0181-0794 \$48,7' 0181-0795 \$82,0' 0181-0796 \$349,3'	000
Casing (19.1" – 30")	0181-0794 \$48,7' 0181-0795 \$82,0' 0181-0796 \$349,3'	000
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Casing (19.1" – 30")	0181-0794 \$48,7' 0181-0795 \$82,0' 0181-0796 \$349,3'	000
Casing (19.1" – 30")	0181-0794 \$48,7' 0181-0795 \$82,0' 0181-0796 \$349,3'	000 0181-0797 \$251,800 0181-0870 \$30,000 0181-0870 \$30,000 0181-0870 \$75,000 0181-0886 \$7,500 0181-0890 \$95,000 0181-0892 \$82,500 0181-0895 \$60,000 0181-0898 \$60,000 0181-0998 \$60,000 0181-0900 \$17,500 0181-0901 \$2,000 0181-0901 \$2,000 0181-0906 \$170,000 0181-0908 \$75,000 0181-0906 \$170,000 0181-0908 \$75,000 0181-0908 0181-0908 0181-0908 0181-0908 0181-0908 0181-0908 0181-0908 0181-0908 0181-090
Casing (19.1" – 30")	0181-0794 \$48,7' 0181-0795 \$82,0' 0181-0796 \$349,3'	000 0181-0797 \$251,800 0181-0798 \$153,400 0181-0798 \$153,400 0181-0880 \$25,000 0181-0890 \$95,000 0181-0892 \$82,500 0181-0895 \$60,000 0181-0898 \$60,000 0181-0898 \$60,000 0181-0990 \$17,500 0181-0900 \$17,500 0181-0900 \$170,000 0181-0901 \$2,000 0181-0901 \$2,000 0181-0906 \$170,000 0181-0906 \$170,000 0181-0907 \$75,000 0181-0908 0181-0908 0181-0909 \$95,000
Casing (19.1" – 30") 400' - 20" 94# J-55 BTC @ \$106.37/ft Casing (10.1" – 19.0") 950' - 13 3/8" 54.5# J-55 ST&C @ \$47.92/ft Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment (1/4) (2)TEST H SEP (1)V SEP /(2)VHT Automation Metering Equipment (1/4) (2)TEST H SEP (1)V SEP /(2)VHT On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Cathodic Protection Electrical Installation Equipment Installation	0181-0794 \$48,7' 0181-0795 \$82,0' 0181-0796 \$349,3'	000 0181-0990 0181-0900
Casing (19.1" – 30")	0181-0794 \$48,7' 0181-0795 \$82,0' 0181-0796 \$349,3'	000 0181-0797 \$251,800 0181-0798 \$153,400 0181-0798 \$153,400 0181-0880 \$25,000 0181-0890 \$95,000 0181-0892 \$82,500 0181-0895 \$60,000 0181-0898 \$60,000 0181-0898 \$60,000 0181-0990 \$17,500 0181-0900 \$17,500 0181-0900 \$170,000 0181-0901 \$2,000 0181-0901 \$2,000 0181-0906 \$170,000 0181-0906 \$170,000 0181-0907 \$75,000 0181-0908 0181-0908 0181-0909 \$95,000
Casing (19.1" – 30") 400' - 20" 94# J-55 BTC @ \$106.37/ft Casing (10.1" – 19.0") 950' - 13 3/8" 54.5# J-55 ST&C @ \$47.92/ft Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment (1/4) (2)TEST H SEP (1)V SEP /(2)VHT Automation Metering Equipment (1/4) (2)TEST H SEP (1)V SEP /(2)VHT On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Cathodic Protection Electrical Installation GulyGas Pipeline - Construction	0181-0794 \$48,7' 0181-0795 \$82,0' 0181-0796 \$349,3'	000 000
Casing (19.1" – 30")	0181-0794 \$48,7' 0181-0795 \$82,0' 0181-0796 \$349,3' 0181-0860 \$50,0' \$575,4	00 0181-0990 0181-0900 0
Casing (19.1" – 30")	0181-0794 \$48,7' 0181-0795 \$82,0' 0181-0796 \$349,3' 0181-0860 \$50,0' \$575,4 \$3,381,0'	000 000
Casing (19.1" – 30")	0181-0794 \$48,7' 0181-0795 \$82,0' 0181-0796 \$349,3' 0181-0860 \$50,0' \$575,4 \$3,381,0'	00 00 00 \$251,800 00 \$153,400 01 \$153,400 00 \$30,000 0181-0870 \$30,000 0181-0871 \$75,000 0181-0880 \$25,000 0181-0886 \$7,500 0181-0890 \$95,000 0181-0892 \$82,500 0181-0895 \$60,000 0181-0898 \$60,000 0181-0900 \$17,500 0181-0901 \$2,000 0181-0906 \$170,000 0181-0908 \$0181-0908 0181-0909 \$95,000 0181-0910 \$7,500 0181-0920 \$15,000 0181-0921 \$5,000
Casing (19.1" – 30")	0181-0794 \$48,7' 0181-0795 \$82,0' 0181-0796 \$349,3' 0181-0860 \$50,0' \$575,4 \$3,381,0' \$9	00 0181-0797 \$251,800 0181-0798 \$153,400 0181-0886 \$7,500 0181-0892 \$82,500 0181-0898 \$60,000 0181-0890 \$17,500 0181-0890 \$17,500 0181-0890 \$17,500 0181-0890 \$17,500 0181-0892 \$25,000 0181-0892 \$25,000 0181-0892 \$25,000 0181-0898 \$60,000 0181-0898 \$60,000 0181-0900 \$17,500 0181-0901 \$2,000 0181-0901 \$2,000 0181-0901 \$75,000 0181-0908 0181-0908 0181-0908 0181-0909 \$95,000 0181-0910 \$7,500 0181-0920 \$15,000 0181-0921 \$5,000 0181-0921 \$5,000 000 \$6,126,800 \$6,126,800 \$6,507,800 \$6,126,800 \$6
Casing (19.1" – 30") 400' - 20" 94# J-55 BTC @ \$106.37/ft Casing (10.1" – 19.0") 950' - 13 3/8" 54.5# J-55 ST&C @ \$47.92/ft Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$28.85/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing Head Tubing Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves & Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Electrical Installation Equipment Installation Electrical Installation Equipment Installation Electrical Installation Equipment Installation Equipment Installation Equipment Installation Equipment Installation Equipment Installation Extra Expense Insurance overing costs of well control, clean up and redri	0181-0794 \$48,7' 0181-0795 \$82,0' 0181-0796 \$349,3' 0181-0860 \$50,0' \$575,4 \$3,381,0' \$9	00 00 00 00 00 00 00 00
Casing (19.1" – 30")	0181-0794 \$48,7' 0181-0795 \$82,0' 0181-0796 \$349,3' 0181-0860 \$50,0' 0181-0860 \$550,0' \$575,4 \$3,381,0' \$9 tionate share of the premiling as estimated in Line Item (perator's well control insurance.	00 0181-0797 \$251,800 0181-0798 \$153,400 0181-0798 \$153,400 0181-0880 \$25,000 0181-0890 \$95,000 0181-0898 \$60,000 0181-0898 \$60,000 0181-0900 \$17,500 0181-0900 \$17,500 0181-0900 \$17,500 0181-0900 \$17,500 0181-0900 \$17,500 0181-0900 \$17,500 0181-0900 \$170,000 0181-0900 \$170,000 0181-0908 0181-0908 0181-0908 0181-0908 0181-0908 0181-0909 \$95,000 0181-0910 \$7,500 0181-0910 \$7,500 0181-0920 \$15,000 0181-0921 \$6,126,800 0181-0921 \$6,126,800 0181-0921 0181
Casing (19.1" – 30")	0181-0794 \$48,7' 0181-0795 \$82,0' 0181-0796 \$349,3' 0181-0860 \$50,0' 0181-0860 \$550,0' \$575,4 \$3,381,0' \$9 tionate share of the premiling as estimated in Line Item (perator's well control insurance.	00 0181-0797 \$251,800 0181-0798 \$153,400 0181-0798 \$153,400 0181-0880 \$25,000 0181-0890 \$95,000 0181-0898 \$60,000 0181-0898 \$60,000 0181-0900 \$17,500 0181-0900 \$17,500 0181-0900 \$17,500 0181-0900 \$17,500 0181-0900 \$17,500 0181-0900 \$17,500 0181-0900 \$170,000 0181-0900 \$170,000 0181-0908 0181-0908 0181-0908 0181-0908 0181-0908 0181-0909 \$95,000 0181-0910 \$7,500 0181-0910 \$7,500 0181-0920 \$15,000 0181-0921 \$6,126,800 0181-0921 \$6,126,800 0181-0921 0181
Casing (19.1" – 30")	0181-0794 \$48,7' 0181-0795 \$82,0' 0181-0796 \$349,3' 0181-0860 \$50,0' 0181-0860 \$50,0' \$575,4 \$3,381,0' \$9 **Sometionate share of the premiabling as estimated in Line Item (and the premiable of the premia	00 0181-0797 \$251,800 0181-0798 \$153,400 0181-0798 \$153,400 0181-0880 \$25,000 0181-0890 \$95,000 0181-0898 \$60,000 0181-0898 \$60,000 0181-0900 \$17,500 0181-0900 \$17,500 0181-0900 \$17,500 0181-0900 \$17,500 0181-0900 \$17,500 0181-0900 \$17,500 0181-0900 \$170,000 0181-0900 \$170,000 0181-0908 0181-0908 0181-0908 0181-0908 0181-0908 0181-0909 \$95,000 0181-0910 \$7,500 0181-0910 \$7,500 0181-0920 \$15,000 0181-0921 \$6,126,800 0181-0921 \$6,126,800 0181-0921 0181
Casing (19.1" − 30")	0181-0794 \$48,7' 0181-0795 \$82,0' 0181-0796 \$349,3' 0181-0860 \$50,0' 0181-0860 \$50,0' \$575,4 \$3,381,0' \$9 tionate share of the premi ling as estimated in Line Item (overator's well control insurance, reserves the right to adjust the	00 0181-0797 \$251,800 0181-0798 \$153,400 0181-0798 \$153,400 0181-0880 \$25,000 0181-0890 \$95,000 0181-0898 \$60,000 0181-0898 \$60,000 0181-0900 \$17,500 0181-0900 \$17,500 0181-0900 \$17,500 0181-0900 \$17,500 0181-0900 \$17,500 0181-0900 \$17,500 0181-0900 \$170,000 0181-0900 \$170,000 0181-0908 0181-0908 0181-0908 0181-0908 0181-0908 0181-0909 \$95,000 0181-0910 \$7,500 0181-0910 \$7,500 0181-0920 \$15,000 0181-0921 \$6,126,800 0181-0921 \$6,126,800 0181-0921 0181
Casing (19.1" – 30")	0181-0794 \$48,7' 0181-0795 \$82,0' 0181-0796 \$349,3' 0181-0860 \$50,0' 0181-0860 \$50,0' \$575,4 \$3,381,0' \$9 tionate share of the premi ling as estimated in Line Item (overator's well control insurance, reserves the right to adjust the	000 0181-0797 \$251,800 0181-0890 \$153,400 0181-0890 \$25,000 0181-0890 \$95,000 0181-0910 \$7,5000 0181-0920 \$15,0000 0181-0921 \$5,0000 0181-0921 018
Casing (19.1" - 30")	0181-0794 \$48,7' 0181-0795 \$82,0' 0181-0796 \$349,3' 0181-0860 \$50,0' 0181-0860 \$50,0' \$575,4 \$3,381,0' \$9 tionate share of the premi ling as estimated in Line Item (overator's well control insurance, reserves the right to adjust the	000 0181-0797 \$251,800 0181-0890 \$153,400 0181-0880 \$25,000 0181-0890 \$95,000 0181-0990 \$17,500 0181-0900 \$181-0900 \$1,227,200 0181-0920 \$1,227,200 0181-0920 \$1,227,200 0181-0920 \$1,227,200 0181-0920 \$1,227,200 0181-0920 \$1,227,200 0181-0920 \$1,227,200 0181-0920 \$1,227,200 0181-0920 \$15,000 0181-0920 \$15,000 0181-0920 \$15,000 0181-0921 \$5,000 0181-0921

AUTHORIZATION FOR EXPENDITURE

Well Name: CANAL 20/19 FED COM #716H Pros	pect: C	ANAL		
				ST: NM
Sec. 21 Blk: Survey: TWP: 21S	RNG:	27E Prop. TV	D: 8760	TMD: 19230
INTANGIBLE COSTS 0180	CODE	ТСР	CODE	СС
Regulatory Permits & Surveys	0180-010		0 0180-0200	¢25,000
Location / Road / Site / Preparation Location / Restoration	0180-010		0 0180-0205	\$35,000 \$80,000
Daywork / Turnkey / Footage Drilling 20 days drlg / 3 days comp @ \$28000/d	0180-01	0 \$598,100	0180-0210	\$89,700
Fuel 1700 gal/day @ \$3.9/gal Alternate Fuels	0180-01		0180-0214	\$295,000
Mud, Chemical & Additives	0180-012 0180-012		0180-0215	\$67,000
Mud - Specialized	0180-012		0180-0221	
Horizontal Drillout Services	1		0180-0222	\$200,000
Stimulation Toe Preparation Cementing	0180-012	\$150,000	0180-0223 0 0180-0225	\$25,000 \$55,000
Logging & Wireline Services	0180-013		0 0180-0230	\$362,000
Casing / Tubing / Snubbing Services	0180-013		0180-0234	\$16,000
Mud Logging Stimulation 61 Stg 25.3 MM gal / 25.3 MM lb	0180-013	\$15,000	0180-0241	\$2,744,000
Stimulation Rentals & Other			0180-0241	\$254,000
Water & Other	0180-014		0180-0245	\$160,000
Bits	0180-014		0 0180-0248	¢F 000
Inspection & Repair Services Misc. Air & Pumping Services	0180-018		0180-0250	\$5,000 \$10,000
Testing & Flowback Services	0180-018		0 0180-0258	\$20,000
Completion / Workover Rig		2150.000	0180-0260	\$10,500
Rig Mobilization Transportation	0180-016		0 0180-0265	\$46,000
Welding, Construction & Maint. Services	0180-016		0 0180-0265	\$16,500
Contract Services & Supervision	0180-017	70 \$131,100	0180-0270	\$70,000
Directional Services Includes Vertical Control	0180-017			\$20,000
Equipment Rental Well / Lease Legal	0180-018		0 0180-0280	\$30,000
Well / Lease Insurance	0180-018		0180-0285	
Intangible Supplies	0180-018	_	0180-0288	\$1,000
Damages Pipeline Interconnect, ROW Easements	0180-019		0180-0290	\$10,000 \$5,000
Company Supervision	0180-019	_	0180-0292	\$39,600
Overhead Fixed Rate	0180-019	96 \$10,000	0180-0296	\$20,000
Contingencies 5% (TCP) 5% (CC)	0180-019		0180-0299	\$233,300
TOTAL	1	\$2,805,600	<u> </u>	\$4,899,600
TANGIBLE COSTS 0181 Casing (19.1" – 30") 400' - 20" 94# J-55 BTC @ \$106.37/ft	0181-079	3 \$45,400		
	0181-079		_	
Casing (10.1" – 19.0") 950' - 13 3/8" 54.5# J-55 ST&C @ \$47.92/ft	10101-078			
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft	0181-079			
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft		+- /	D	\$251.800
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft	0181-079	+- /		
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head	0181-079	\$349,300	0181-0797 0181-0798	\$153,400
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section	0181-079 0181-079	\$349,300	0181-0797 0181-0798 0181-0870	\$153,400 \$30,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger	0181-079 0181-079	\$349,300	0181-0797 0181-0798 0181-0870 0181-0871	\$153,400 \$30,000 \$75,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section	0181-079 0181-079	\$349,300	0181-0797 0181-0798 0181-0870	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB	0181-079 0181-079	\$349,300	0 181-0798 0181-0798 0 0181-0870 0181-0871 0181-0880 0181-0886 0181-0890	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR	0181-079 0181-079	\$349,300	0 181-0797 0181-0798 0 0181-0870 0181-0871 0181-0880 0181-0890 0181-0892	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps Storage Tanks (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment (1/4) (2)TEST H SEP (1)V SEP /(2)VHT	0181-079 0181-079	\$349,300	0 181-0797 0181-0798 0 0181-0870 0181-0871 0181-0880 0181-0886 0181-0890 0181-0892 0181-0895	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR	0181-079 0181-079	\$349,300	0 181-0797 0181-0798 0 0181-0870 0181-0871 0181-0880 0181-0890 0181-0892	\$251,800 \$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$60,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment (1/4) (2)TEST H SEP (1)V SEP /(2)VHT Automation Metering Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves & Misc	0181-079 0181-079	\$349,300	0 181-0798 0 181-0798 0 181-0870 0 181-0871 0 181-0880 0 181-0886 0 181-0890 0 181-0895 0 181-0898 0 181-0900 0 181-0901	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$17,500 \$2,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps Storage Tanks (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment (1/4) (2)TEST H SEP (1)V SEP /(2)VHT Automation Metering Equipment (1/4) (2)TEST H SEP (1)V SEP /(2)VHT On-site Valves/Fittings/Lines&Misc	0181-079 0181-079	\$349,300	0 181-0798 0 181-0798 0 181-0870 0 181-0880 0 181-0880 0 181-0886 0 181-0892 0 181-0895 0 181-0990 0 181-0900 0 181-0901 0 181-0906	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$17,500 \$2,000 \$170,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment (1/4) (2)TEST H SEP (1)V SEP /(2)VHT Automation Metering Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves & Misc	0181-079 0181-079	\$349,300	0 181-0798 0 181-0798 0 181-0870 0 181-0871 0 181-0880 0 181-0886 0 181-0890 0 181-0895 0 181-0898 0 181-0900 0 181-0901	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$17,500 \$2,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves & Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction	0181-079 0181-079	\$349,300	0 0181-0798 0181-0798 0181-0870 0181-0880 0181-0880 0181-0890 0181-0892 0181-0895 0181-0990 0181-0900 0181-0900 0181-0900 0181-0900	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$17,500 \$2,000 \$170,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves & Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Cathodic Protection Electrical Installation	0181-079 0181-079	\$349,300	0 181-0798 0 181-0798 0 181-0870 0 181-0871 0 181-0880 0 181-0890 0 181-0895 0 181-0895 0 181-0900 0 181-0901 0 181-0906 0 181-0907 0 181-0908 0 181-0908 0 181-0909 0 181-0909 0 181-0910	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$17,500 \$170,000 \$75,000 \$95,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves & Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Cathodic Protection Electrical Installation Equipment Installation Oil/Gas Pipeline - Construction	0181-079 0181-079	\$349,300	0 181-0798 0 181-0798 0 181-0870 0 181-0871 0 181-0880 0 181-0890 0 181-0892 0 181-0895 0 181-0900 0 181-0901 0 181-0907 0 181-0908 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0910 0 181-0920	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$17,500 \$170,000 \$75,000 \$75,000 \$15,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment Automation Metering Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves & Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Cathodic Protection Equipment Installation Equipment Installation Oil/Gas Pipeline - Construction	0181-079 0181-079	\$349,300 \$50,000	0 181-0797 0181-0798 0181-0870 0181-0871 0181-0880 0181-0886 0181-0890 0181-0895 0181-0895 0181-0901 0181-0901 0181-0907 0181-0908 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0920 0181-0920	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$60,000 \$17,500 \$2,000 \$170,000 \$75,000 \$95,000 \$15,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment (1/4) (2)TEST H SEP (1)V SEP /(2)VHT Automation Metering Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves&Misc Wellhead Flowlines - Construction Electrical Installation Equipment Installation Oil/Gas Pipeline - Construction Water Pipeline - Construction Water Pipeline - Construction	0181-079 0181-079	\$575,40	0 181-0797 0181-0798 0181-0870 0181-0880 0181-0880 0181-0886 0181-0892 0181-0895 0181-0990 0181-0901 0181-0907 0181-0908 0181-0909 0181-0909 0181-0909 0181-0910 0181-0920 0181-0921	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$17,500 \$2,000 \$177,000 \$75,000 \$75,000 \$15,000 \$15,000 \$11,000 \$11,000 \$11,000 \$11,000 \$11,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment Separation / Treating Equipment Automation Metering Equipment Oil/Gas Pipeline-Pipe/Valves& Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Cathodic Protection Equipment Installation Equipment Installation Oil/Gas Pipeline - Construction Water Pipeline - Construction Water Pipeline - Construction TOTAL SUBTOTAL	0181-079 0181-079	\$575,400 \$3,381,000	0 0181-0797 0181-0880 0181-0890 0181-0901 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0920 01	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$60,000 \$17,500 \$2,000 \$170,000 \$75,000 \$95,000 \$15,000
Casing (8.1" – 10.0") Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment Automation Metering Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves & Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Equipment Installation Oil/Gas Pipeline - Construction Water Pipeline - Construction TOTAL SUBTOTAL TOTAL WELL COST	0181-079 0181-079	\$575,400 \$3,381,000	0 181-0797 0181-0798 0181-0870 0181-0880 0181-0880 0181-0886 0181-0892 0181-0895 0181-0990 0181-0901 0181-0907 0181-0908 0181-0909 0181-0909 0181-0909 0181-0910 0181-0920 0181-0921	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$17,500 \$2,000 \$177,000 \$75,000 \$75,000 \$15,000 \$15,000 \$11,000 \$11,000 \$11,000 \$11,000 \$11,000
Casing (8.1" – 10.0") Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment Automation Metering Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves & Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Equipment Installation Equipment Installation Oil/Gas Pipeline - Construction Water Pipeline - Construction Extra Expense Insurance	0181-079 0181-079	\$575,400 \$3,381,000	0 181-0798 0 181-0798 0 181-0870 0 181-0880 0 181-0880 0 181-0890 0 181-0895 0 181-0895 0 181-0900 0 181-0901 0 181-0907 0 181-0908 0 181-0909 0 181-0909 0 181-0910 0 181-0920 0 181-0921	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$17,500 \$2,000 \$177,000 \$75,000 \$75,000 \$15,000 \$15,000 \$11,000 \$11,000 \$11,000 \$11,000 \$11,000
Casing (8.1" – 10.0") Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment Automation Metering Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves & Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Equipment Installation Oil/Gas Pipeline - Construction Water Pipeline - Construction TOTAL SUBTOTAL TOTAL WELL COST	0181-079	\$575,400 \$3,381,000 \$9,4	0 0181-0797 0181-0870 0181-0870 0181-0880 0181-0886 0181-0890 0181-0895 0181-0895 0181-0900 0181-0901 0181-0907 0181-0908 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909	\$153,400 \$30,000 \$75,000 \$25,000 \$95,000 \$82,500 \$60,000 \$17,500 \$2,000 \$170,000 \$75,000 \$75,000 \$15,000 \$15,000 \$115,000 \$115,000 \$115,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment (1/4) (2)TEST H SEP (1)V SEP /(2)VHT Automation Metering Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves & Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Cathodic Protection Equipment Installation Oil/Gas Pipeline - Construction Water Pipeline - Construction TOTAL SUBTOTAL Extra Expense Insurance I elect to be covered by Operator's Extra Expense Insurance and pay my propor Operator has secured Extra Expense Insurance covering costs of well control, clean up and redri	0181-079 0181-079 0181-086	\$575,400 \$3,381,000 \$9,400 \$1,000 \$1,000 \$1,000 \$1,000 \$2,000 \$1,000 \$2,000 \$1,	0 0181-0797 0181-0870 0181-0870 0181-0880 0181-0886 0181-0890 0181-0895 0181-0895 0181-0900 0181-0901 0181-0907 0181-0908 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909	\$153,400 \$30,000 \$75,000 \$25,000 \$95,000 \$82,500 \$60,000 \$17,500 \$2,000 \$170,000 \$75,000 \$75,000 \$15,000 \$15,000 \$115,000 \$115,000 \$115,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves& Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Electrical Installation Equipment Installation Oil/Gas Pipeline - Construction Equipment Installation Oil/Gas Pipeline - Construction Extra Expense Insurance I elect to be covered by Operator's Extra Expense Insurance and pay my propor Operator has secured Extra Expense Insurance covering costs of well control, clean up and redril 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, if available, at the specified rate. Operator	0181-079 0181-079 0181-080 0181-080 itionate shilling as esti	\$575,400 \$3,381,000 \$9,000 \$1,	0 181-0798 0 181-0798 0 181-0870 0 181-0871 0 181-0880 0 181-0890 0 181-0895 0 181-0898 0 181-0900 0 181-0901 0 181-0907 0 181-0908 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0920 0 181-0921	\$153,400 \$30,000 \$75,000 \$25,000 \$95,000 \$82,500 \$60,000 \$17,500 \$170,000 \$75,000 \$75,000 \$15,000 \$15,000 \$11,227,200
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment (1/4) (2)TEST H SEP (1)V SEP /(2)VHT Automation Metering Equipment Oil/Gas Pipeline-Pipe/Valves& Misc On-site Valves/Fittings/Lines&Misc Water Pipeline-Pipe/Valves& Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Cathodic Protection Electrical Installation Oil/Gas Pipeline - Construction Water Pipeline - Construction TOTAL SUBTOTAL TOTAL WELL COST Extra Expense Insurance I elect to be covered by Operator's Extra Expense Insurance and pay my propor Operator has secured Extra Expense Insurance covering costs of well control, clean up and redril 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 agrees that item 0180-0245 will be provided by operator, if available, at the specified rate. Operator conditions.	0181-079 0181-079 0181-086 0181-086 0181-086 0181-086 0181-086 0181-086 0181-086	\$575,400 \$3,381,000 \$9,000 \$1,000 \$1,000 \$1,000 \$2,000 \$1,	0 181-0798 0 181-0798 0 181-0870 0 181-0871 0 181-0880 0 181-0890 0 181-0895 0 181-0898 0 181-0900 0 181-0901 0 181-0907 0 181-0908 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0920 0 181-0921	\$153,400 \$30,000 \$75,000 \$25,000 \$95,000 \$82,500 \$60,000 \$17,500 \$170,000 \$75,000 \$75,000 \$15,000 \$15,000 \$11,227,200
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves& Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Electrical Installation Equipment Installation Oil/Gas Pipeline - Construction Equipment Installation Oil/Gas Pipeline - Construction TOTAL SUBTOTAL TOTAL WELL COST Extra Expense Insurance and pay my propor Operator has secured Extra Expense Insurance covering costs of well control, clean up and redril elect to but covered by Operator, if available, at the specified rate. Operator	0181-079 0181-079 0181-086 0181-086 0181-086 0181-086 0181-086 0181-086 0181-086	\$575,400 \$3,381,000 \$9,000 \$1,000 \$1,000 \$1,000 \$2,000 \$1,	0 181-0798 0 181-0798 0 181-0870 0 181-0871 0 181-0880 0 181-0890 0 181-0895 0 181-0898 0 181-0900 0 181-0901 0 181-0907 0 181-0908 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0920 0 181-0921	\$153,400 \$30,000 \$75,000 \$25,000 \$95,000 \$82,500 \$60,000 \$17,500 \$170,000 \$75,000 \$75,000 \$15,000 \$15,000 \$1,227,200
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment (1/4) (2)TEST H SEP (1)V SEP /(2)VHT Automation Metering Equipment Oil/Gas Pipeline-Pipe/Valves& Misc Water Pipeline-Pipe/Valves& Misc Water Pipeline-Pipe/Valves& Misc Water Pipeline-Pipe/Valves& Misc Wellhead Flowlines - Construction Cathodic Protection Electrical Installation Oil/Gas Pipeline - Construction Water Pipeline - Construction TOTAL SUBTOTAL TOTAL WELL COST Extra Expense Insurance I elect to be covered by Operator's Extra Expense Insurance and pay my propor Operator has secured Extra Expense Insurance covering costs of well control, clean up and redri	0181-079 0181-079 0181-080 018	\$575,400 \$3,381,000 \$9,000 \$1,000 \$1,000 \$1,000 \$2,000 \$1,	0 181-0798 0 181-0798 0 181-0870 0 181-0871 0 181-0880 0 181-0890 0 181-0895 0 181-0898 0 181-0900 0 181-0901 0 181-0907 0 181-0908 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0920 0 181-0921	\$153,400 \$30,000 \$75,000 \$25,000 \$95,000 \$82,500 \$60,000 \$17,500 \$170,000 \$75,000 \$75,000 \$15,000 \$15,000 \$11,227,200
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MEWBOURNE OIL COMPANY

AUTHORIZATION FOR EXPENDITURE

Well Name: CANAL 20/19 FED COM #718H Pros	pect: C	ANAL		
Location: SL: 640 FSL & 205 FWL (21); BHL: 490 FSL & 330 FWL (19) County: Eddy ST: NM			ST: NM	
Sec. 21 Blk: Survey: TWP: 21S	RNG:	27E Prop. TV	D: 8760	TMD: 19230
INTANGIBLE COSTS 0180	CODE	ТСР	CODE	СС
Regulatory Permits & Surveys	0180-010	\$20,000	0180-0200	
Location / Road / Site / Preparation Location / Restoration	0180-010		0 0180-0205	\$35,000 \$80,000
Daywork / Turnkey / Footage Drilling 20 days drlg / 3 days comp @ \$28000/d	0180-01		0 0180-0206	\$89,700
Fuel 1700 gal/day @ \$3.9/gal	0180-01	4 \$141,600	0180-0214	\$295,000
Alternate Fuels	0180-01		0180-0215	\$67,000
Mud, Chemical & Additives Mud - Specialized	0180-012		0 0180-0220	
Horizontal Drillout Services			0180-0222	\$200,000
Stimulation Toe Preparation	- : 30 04	\$450.00¢	0180-0223	\$25,000
Cementing Logging & Wireline Services	0180-013		0 0180-0225	\$55,000 \$362,000
Casing / Tubing / Snubbing Services	0180-013		0180-0234	\$16,000
Mud Logging	0180-013	\$15,000	-	÷==:4.000
Stimulation 61 Stg 25.3 MM gal / 25.3 MM lb Stimulation Rentals & Other	-		0180-0241 0180-0242	\$2,744,000 \$254,000
Water & Other	0180-014	\$35,000	0180-0242	\$254,000
Bits	0180-014	\$96,100	0180-0248	
Inspection & Repair Services	0180-01		0180-0250	\$5,000
Misc. Air & Pumping Services Testing & Flowback Services	0180-01		0180-0254 0 0180-0258	\$10,000 \$20,000
Completion / Workover Rig	0100 0	Ψ1=,00	0180-0258	\$10,500
Rig Mobilization	0180-010		D	. ,
Transportation Wolding Construction & Maint, Services	0180-010		0180-0265	\$46,000
Welding, Construction & Maint. Services Contract Services & Supervision	0180-01		0 0180-0268	\$16,500 \$70,000
Directional Services Includes Vertical Control	0180-01	75 \$323,000)	Ψ. υ,υ
Equipment Rental	0180-018	\$141,600	0180-0280	\$30,000
Well / Lease Legal Well / Lease Insurance	0180-018		0 0180-0284	1
Intangible Supplies	0180-018		0 0180-0285	\$1,000
Damages	0180-019	90 \$10,000	0180-0290	\$10,000
Pipeline Interconnect, ROW Easements	0180-019	_	0180-0292	\$5,000
Company Supervision Overhead Fixed Rate	0180-019		0 0180-0295	\$39,600 \$20,000
Contingencies 5% (TCP) 5% (CC)	0180-019	_	0 0180-0296	\$20,000
TOTAL		\$2,805,600	1	\$4,899,600
TANGIBLE COSTS 0181				
Casing (19.1" – 30") 400' - 20" 94# J-55 BTC @ \$106.37/ft	0181-079		_	
Casing (10.1" – 19.0") 950' - 13 3/8" 54.5# J-55 ST&C @ \$47.92/ft	0181-079	+ -, -		
	0494 076		111	
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft	0181-079	+- ,		
	0181-079 0181-079	+- ,		\$251,800
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft	0181-079	\$349,300	0181-0797 0181-0798	
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head		\$349,300	0181-0797 0181-0798	\$153,400
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft	0181-079	\$349,300	0181-0797 0181-0798	\$153,400 \$30,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section	0181-079	\$349,300	0181-0797 0181-0798 0181-0870	\$153,400 \$30,000 \$75,000 \$25,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump	0181-079	\$349,300	0 181-0797 0181-0798 0 0181-0870 0181-0871 0181-0880 0181-0886	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB	0181-079	\$349,300	0 181-0797 0181-0798 0 0181-0870 0181-0871 0181-0880 0181-0886 0181-0890	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps Storage Tanks (1/4)	0181-079	\$349,300	0 181-0797 0181-0798 0 0181-0870 0181-0871 0181-0880 0181-0886	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB	0181-079	\$349,300	0 181-0797 0181-0798 0 0181-0870 0181-0871 0181-0880 0181-0890 0181-0892	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps Storage Tanks (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment (1/4) (2)TEST H SEP (1)V SEP /(2)VHT Automation Metering Equipment Oil/Gas Pipeline-Pipe/Valves&Misc	0181-079	\$349,300	0 181-0797 0181-0798 0 181-0870 0181-0871 0181-0880 0181-0886 0181-0890 0181-0895 0181-0898 0181-0900	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$60,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment (1/4) (2)TEST H SEP (1)V SEP /(2)VHT Automation Metering Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves & Misc	0181-079	\$349,300	0 181-0798 0 181-0798 0 181-0870 0 181-0871 0 181-0880 0 181-0886 0 181-0890 0 181-0895 0 181-0898 0 181-0900 0 181-0901	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$17,500 \$2,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves & Misc On-site Valves/Fittings/Lines&Misc	0181-079	\$349,300	0 181-0798 0 181-0798 0 181-0870 0 181-0880 0 181-0880 0 181-0886 0 181-0892 0 181-0895 0 181-0990 0 181-0900 0 181-0901 0 181-0906	\$251,800 \$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$60,000 \$60,000 \$17,500 \$2,000 \$170,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment (1/4) (2)TEST H SEP (1)V SEP /(2)VHT Automation Metering Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves & Misc	0181-079	\$349,300	0 181-0798 0181-0798 0181-0870 0181-0871 0181-0880 0181-0886 0181-0890 0181-0895 0181-0898 0181-0900 0181-0901	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$17,500 \$2,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves & Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Cathodic Protection Electrical Installation	0181-079	\$349,300	0 0181-0798 0181-0798 0181-0870 0181-0880 0181-0880 0181-0890 0181-0892 0181-0895 0181-0990 0181-0900 0181-0900 0181-0900 0181-0900	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$17,500 \$2,000 \$170,000 \$75,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves & Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Cathodic Protection Electrical Installation Equipment Installation	0181-079	\$349,300	0 181-0798 0 181-0798 0 181-0870 0 181-0871 0 181-0880 0 181-0890 0 181-0892 0 181-0895 0 181-0900 0 181-0901 0 181-0906 0 181-0907 0 181-0908 0 181-0908 0 181-0909 0 181-0909 0 181-0910	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$17,500 \$170,000 \$75,000 \$95,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves & Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Cathodic Protection Electrical Installation Equipment Installation Oil/Gas Pipeline - Construction	0181-079	\$349,300	0 181-0798 0 181-0798 0 181-0870 0 181-0871 0 181-0880 0 181-0890 0 181-0892 0 181-0895 0 181-0900 0 181-0901 0 181-0907 0 181-0908 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0910 0 181-0920	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$17,500 \$170,000 \$75,000 \$95,000 \$15,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment Automation Metering Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves & Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Equipment Installation Equipment Installation Equipment Installation Oil/Gas Pipeline - Construction	0181-079	\$349,300 \$50,000	0 181-0797 0181-0798 0181-0870 0181-0871 0181-0880 0181-0886 0181-0890 0181-0895 0181-0895 0181-0901 0181-0901 0181-0907 0181-0908 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0920 0181-0921	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$60,000 \$17,500 \$2,000 \$170,000 \$75,000 \$95,000 \$15,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment (1/4) (2)TEST H SEP (1)V SEP /(2)VHT Automation Metering Equipment Oil/Gas Pipeline-Pipe/Valves& Misc Water Pipeline-Pipe/Valves & Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Electrical Installation Equipment Installation Oil/Gas Pipeline - Construction Water Pipeline - Construction Water Pipeline - Construction Water Pipeline - Construction	0181-079	\$575,40	0 181-0797 0181-0798 0181-0870 0181-0880 0181-0880 0181-0886 0181-0892 0181-0895 0181-0990 0181-0901 0181-0907 0181-0908 0181-0909 0181-0909 0181-0909 0181-0910 0181-0920 0181-0921	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$17,500 \$2,000 \$177,000 \$75,000 \$75,000 \$15,000 \$15,000 \$11,000 \$11,000 \$11,000 \$11,000 \$11,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment Separation / Treating Equipment Automation Metering Equipment Oil/Gas Pipeline-Pipe/Valves& Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Cathodic Protection Equipment Installation Equipment Installation Oil/Gas Pipeline - Construction Water Pipeline - Construction Water Pipeline - Construction TOTAL SUBTOTAL	0181-079	\$575,40 \$3,381,00	0 0181-0797 0181-0880 0181-0890 0181-0901 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0920 01	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$17,500 \$170,000 \$75,000 \$95,000
Casing (8.1" – 10.0") Casing (6.1" – 8.0") B400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing B250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment Automation Metering Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves&Misc Wellhead Flowlines - Construction Electrical Installation Oil/Gas Pipeline - Construction Water Pipeline - Construction TOTAL SUBSTOTAL TOTAL WELL COST	0181-079	\$575,40 \$3,381,00	0 181-0797 0181-0798 0181-0870 0181-0880 0181-0880 0181-0886 0181-0892 0181-0895 0181-0990 0181-0901 0181-0907 0181-0908 0181-0909 0181-0909 0181-0909 0181-0910 0181-0920 0181-0921	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$17,500 \$2,000 \$170,000 \$75,000 \$75,000 \$15,000 \$15,000 \$11,227,200
Casing (8.1" – 10.0") Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment Automation Metering Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves & Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Equipment Installation Equipment Installation Oil/Gas Pipeline - Construction Water Pipeline - Construction Extra Expense Insurance	0181-079	\$575,40 \$3,381,00	0 0181-0798 0 181-0798 0 181-0870 0 181-0880 0 181-0880 0 181-0890 0 181-0895 0 181-0895 0 181-0900 0 181-0901 0 181-0907 0 181-0908 0 181-0909 0 181-0909 0 181-0910 0 181-0920 0 181-0921	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$17,500 \$2,000 \$177,000 \$75,000 \$75,000 \$15,000 \$15,000 \$11,000 \$11,000 \$11,000 \$11,000 \$11,000
Casing (8.1" – 10.0") Casing (6.1" – 8.0") B400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing B250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment Automation Metering Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves&Misc Wellhead Flowlines - Construction Electrical Installation Oil/Gas Pipeline - Construction Water Pipeline - Construction TOTAL SUBSTOTAL TOTAL WELL COST	0181-079	\$349,300 \$50,000 \$575,40 \$3,381,00 \$9,	0 0181-0797 0181-0870 0181-0870 0181-0880 0181-0886 0181-0890 0181-0895 0181-0895 0181-0900 0181-0901 0181-0907 0181-0908 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909	\$153,400 \$30,000 \$75,000 \$25,000 \$7,500 \$95,000 \$82,500 \$60,000 \$17,500 \$2,000 \$177,000 \$75,000 \$75,000 \$15,000 \$15,000 \$11,000 \$11,000 \$11,000 \$11,000 \$11,000
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Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves& Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Electrical Installation Equipment Installation Oil/Gas Pipeline - Construction Equipment Installation Equipment Installation Oil/Gas Pipeline - Construction TOTAL SUBTOTAL TOTAL WELL COST Extra Expense Insurance and pay my propor Operator has secured Extra Expense Insurance covering costs of well control, clean up and edit I elect to but covered by Operator, if available, at the specified rate. Operato	0181-079	\$575,40 \$3,381,00 \$9,i	0 181-0798 0 181-0798 0 181-0870 0 181-0871 0 181-0880 0 181-0890 0 181-0895 0 181-0898 0 181-0900 0 181-0901 0 181-0907 0 181-0908 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0920 0 181-0921	\$153,400 \$30,000 \$75,000 \$25,000 \$95,000 \$82,500 \$60,000 \$17,500 \$170,000 \$75,000 \$75,000 \$15,000 \$15,000 \$11,227,200
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment (1/4) (2)TEST H SEP (1)V SEP /(2)VHT Automation Metering Equipment Oil/Gas Pipeline-Pipe/Valves & Misc On-site Valves/Fittings/Lines&Misc Water Pipeline-Pipe/Valves & Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Cathodic Protection Electrical Installation Oil/Gas Pipeline - Construction Water Pipeline - Construction TOTAL SUBTOTAL TOTAL WELL COST Extra Expense Insurance I elect to be covered by Operator's Extra Expense Insurance and pay my propor Operator has secured Extra Expense Insurance policy. If neither box is checked above, non-operating working interest owner elects to be covered by O Joint owner agrees that item 0180-0245 will be provided by operator, if available, at the specified rate. Operato conditions.	0181-079	\$575,40 \$3,381,00 \$9, are of the premiu nated in Line Item 01 Il control insurance. e right to adjust the r	0 181-0798 0 181-0798 0 181-0870 0 181-0871 0 181-0880 0 181-0890 0 181-0895 0 181-0898 0 181-0900 0 181-0901 0 181-0907 0 181-0908 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0920 0 181-0921	\$153,400 \$30,000 \$75,000 \$25,000 \$95,000 \$82,500 \$60,000 \$17,500 \$170,000 \$75,000 \$75,000 \$15,000 \$15,000 \$11,227,200
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves& Misc On-site Valves/Fittings/Lines&Misc Wellhead Flowlines - Construction Cathodic Protection Electrical Installation Oil/Gas Pipeline - Construction TOTAL SUBTOTAL TOTAL WELL COST Extra Expense Insurance I elect to be covered by Operator's Extra Expense Insurance and pay my propor Operator has secured Extra Expense Insurance covering costs of well control, clean up and edit 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 OJoint owner agrees that item 0180-0245 will be provided by operator, if available, at the specified rate. Operato	0181-079	\$575,40 \$3,381,00 \$9, are of the premiu nated in Line Item 01 Il control insurance. e right to adjust the r	0 181-0798 0 181-0798 0 181-0870 0 181-0871 0 181-0880 0 181-0890 0 181-0895 0 181-0898 0 181-0900 0 181-0901 0 181-0907 0 181-0908 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0920 0 181-0921	\$153,400 \$30,000 \$75,000 \$25,000 \$95,000 \$82,500 \$60,000 \$17,500 \$170,000 \$75,000 \$75,000 \$15,000 \$15,000 \$1,227,200
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves&Misc Wellhead Flowlines - Construction Cathodic Protection Electrical Installation Oil/Gas Pipeline - Construction Water Pipeline - Construction TOTAL SUBTOTAL TOTAL WELL COST Extra Expense Insurance I elect to be covered by Operator's Extra Expense Insurance and pay my propor Operator has secured Extra Expense Insurance covering costs of well control, clean up and redril 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 O Joint owner agrees that item 0180-0245 will be provided by operator, if available, at the specified rate. Operato conditions.	0181-079	\$575,40 \$3,381,00 \$9, are of the premiu nated in Line Item 01 Il control insurance. e right to adjust the r	0 181-0798 0 181-0798 0 181-0870 0 181-0871 0 181-0880 0 181-0890 0 181-0895 0 181-0898 0 181-0900 0 181-0901 0 181-0907 0 181-0908 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0920 0 181-0921	\$153,400 \$30,000 \$75,000 \$25,000 \$95,000 \$82,500 \$60,000 \$17,500 \$170,000 \$75,000 \$75,000 \$170,000 \$75,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000
Casing (8.1" – 10.0") 2660' - 9 5/8" 36# J-55 LT&C @ \$28.85/ft Casing (6.1" – 8.0") 8400' - 7" 29# HPP110 BT&C @ \$38.93/ft Casing (4.1" – 6.0") 10890' - 4 1/2" 13.5# HCP-110 CDC-HTQ @ \$21.65/ft Tubing 8250' - 3 1/2" 9.2# L-80 IPC Tbg @ \$17.4/ft Drilling Head Tubing Head & Upper Section Horizontal Completion Tools Completion Liner Hanger Subsurface Equip. & Artificial Lift Service Pumps (1/4) TP/CP/Circ pump Storage Tanks (1/4) (4)OT/(3)WT/(1)GB Emissions Control Equipment (1/4) (2)VRT/(1)VRU/(1)FLARE/(3)KO/(1)AIR Separation / Treating Equipment (1/4) (2)TEST H SEP (1)V SEP /(2)VHT Automation Metering Equipment Oil/Gas Pipeline-Pipe/Valves&Misc Water Pipeline-Pipe/Valves&Misc Wellhead Flowlines - Construction Cathodic Protection Electrical Installation Equipment Installation Oil/Gas Pipeline - Construction Water Pipeline - Construction TOTAL TOTAL WELL COST Extra Expense Insurance I elect to be covered by Operator's Extra Expense Insurance and pay my propor Operator has secured Extra Expense Insurance covering costs of well control, clean up and redril 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 O Joint owner agrees that item 0180-0245 will be provided by operator; if available, at the specified rate. Operato conditions. Prepared by: T. Cude Date	0181-079	\$575,40 \$3,381,00 \$9, are of the premiu nated in Line Item 01 Il control insurance. e right to adjust the r	0 181-0798 0 181-0798 0 181-0870 0 181-0871 0 181-0880 0 181-0890 0 181-0895 0 181-0898 0 181-0900 0 181-0901 0 181-0907 0 181-0908 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0909 0 181-0920 0 181-0921	\$153,400 \$30,000 \$75,000 \$25,000 \$95,000 \$82,500 \$60,000 \$17,500 \$170,000 \$75,000 \$75,000 \$15,000 \$15,000 \$1,227,200

Summary of Communications

CANAL 20/19 FED COM #712H CANAL 20/19 FED COM #714H CANAL 20/19 FED COM #716H CANAL 20/19 FED COM #718H

Devon Energy Production Company LP

- 1) 11/29/2023: Well proposal letter with AFEs are sent via certified mail.
- 2) 12/1/2023: Well proposal letter with AFEs delivered to owner.
- 3) 10/23/2024: Email correspondence with owner regarding their interest. Answered owners questions.
- 4) 12/13/2024: Owner still has not signed the AFEs or JOA and is still evaluating all options.

Marathon Oil Permian LLC

- 1) 11/29/2023: Well proposal letter with AFEs are sent via certified mail.
- 2) 12/5/2023: Well proposal letter with AFEs delivered to owner.
- 3) 12/13/2024: Owner still has not signed the AFEs or JOA and is still evaluating all options.

Redfern Enterprises, Inc.

- 1) 11/29/2023: Well proposal letter with AFEs are sent via certified mail.
- 2) 12/1/2023: Well proposal letter with AFEs delivered to owner.
- 3) 3/14/2024: Email & phone correspondence with owner regarding their interest. Answered owners' questions. Attempted to work something out with owner. Owner is not sure what they want to do whether or not to participate.
- 4) 5/6/2024: Email & phone correspondence with owner regarding their interest. Answered owners' questions. Attempted to work something out with owner. Owner is not sure what they want to do whether or not to participate.
- 5) 6/24/2024: Email correspondence with owner regarding their interest. Answered owners' questions. Attempted to work something out with owner. Owner is not sure what they want to do whether or not to participate.
- 6) 9/11/2024: Email correspondence with owner regarding their interest. Answered owners' questions. Attempted to work something out with owner. Owner is not sure what they want to do whether or not to participate.
- 7) 12/13/2024: Owner still has not signed the AFEs or JOA and is still evaluating all options.

Mewbourne Oil Company Case No. 24993 Exhibit A-6

Wynn-Crosby Partners III, Ltd.

- 1) 3/14/2024: Well proposal letter with AFEs are sent via certified mail.
- 2) 3/15/2024: Well proposal letter with AFEs delivered to owner.
- 3) 3/15/2024: Email & phone correspondence with owner regarding their interest. Answered owners' questions.
- 4) 4/5/2024: Email & phone correspondence with owner regarding their interest. Answered owners' questions.
- 5) 9/11/2024: Email correspondence with owner regarding their interest. Answered owners' questions.
- 6) 10/1/2024: Email correspondence with owner regarding their interest. Answered owners' questions.
- 7) 12/13/2024: Owner still has not signed the AFEs or JOA and is still evaluating all options.

Cheryl Beck

- 1) 11/11/2024: Well proposal letter with AFEs are sent via certified mail.
- 2) 11/12/2024: Bad address/Return AFEs to sender.
- 3) 12/5/2024: Detailed search on internet for a better address of owner.
- 4) 12/13/2024: Reproposed wells to a new address found after internet search.

Bill Britton

- 1) 11/11/2024: Well proposal letter with AFEs are sent via certified mail.
- 2) 11/18/2024: Well proposal letter with AFEs delivered to owner.
- 3) 12/12/2024: Phone correspondence with owner regarding their interest. Answered owners' questions.
- 4) 12/13/2024: Owner still has not signed the AFEs or JOA and is still evaluating all options.

Harvey R. Hicks, Jr.

- 1) 11/11/2024: Well proposal letter with AFEs are sent via certified mail.
- 2) 11/18/2024: Well proposal letter with AFEs delivered to owner.
- 3) 12/13/2024: No good email or phone contact for owner found. No correspondence with owner and owner still has not signed the AFEs or JOA. All my contact information was provided to owner in the well proposal letter.

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

Case No. 24993

SELF-AFFIRMED STATEMENT OF CHARLES CROSBY

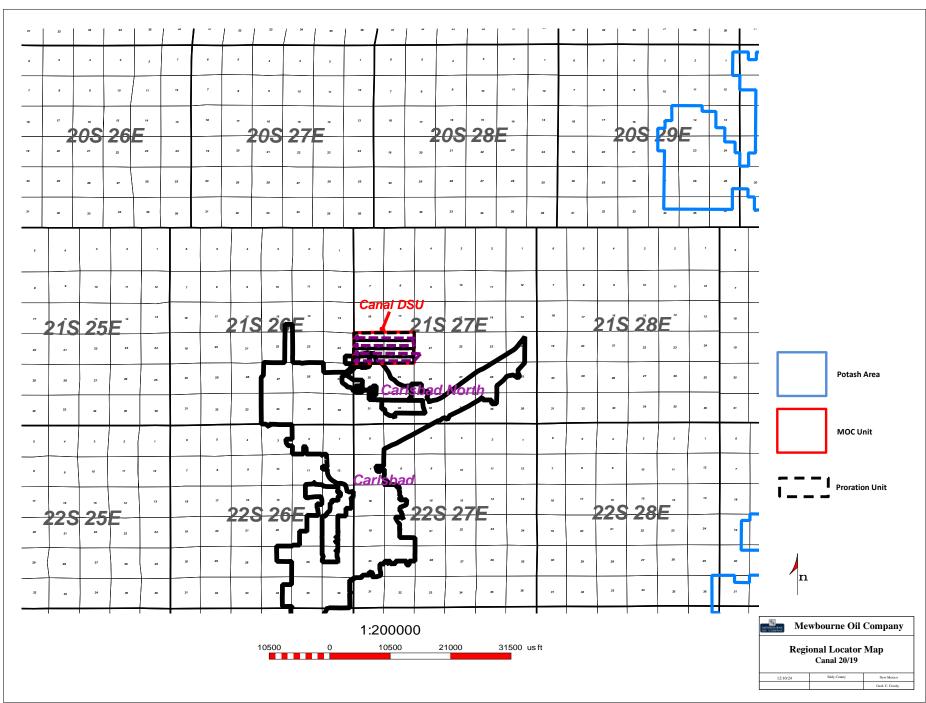
- 1. I am employed by Mewbourne Oil Company ("Mewbourne") as a geologist. I am over 18 years of age, have personal knowledge of the matters addressed herein, and am competent to provide this Self-Affirmed Statement. I have previously testified before the New Mexico Oil Conservation Division ("Division"), and my credentials as an expert in petroleum geology matters were accepted and made a matter of record.
 - 2. I am familiar with the geological matters that pertain to the above-referenced cases.
- 3. **Exhibit B-1** is a general location map that depicts the Canal 20/19 Fed Com spacing unit ("Unit").
- 4. **Exhibit B-2** is a subsea structure map for the top of the Wolfcamp formation that is representative of the targeted intervals. The contour intervals are 50 feet. The approximate wellbore paths for the Canal 20/19 Fed Com #712H, Canal 20/19 Fed Com #714H, Canal 20/19 Fed Com #716H, and Canal Fed Com #718 wells ("Wells") are depicted by dashed purple arrows. Existing producing wells in the targeted interval are represented by solid purple arrows. The map demonstrates the formation is gently dipping to the east in this area. I do not observe any faulting, pinch-outs, or geologic impediments to developing the targeted intervals with horizontal wells.

Mewbourne Oil Company Case No. 24993 Exhibit B

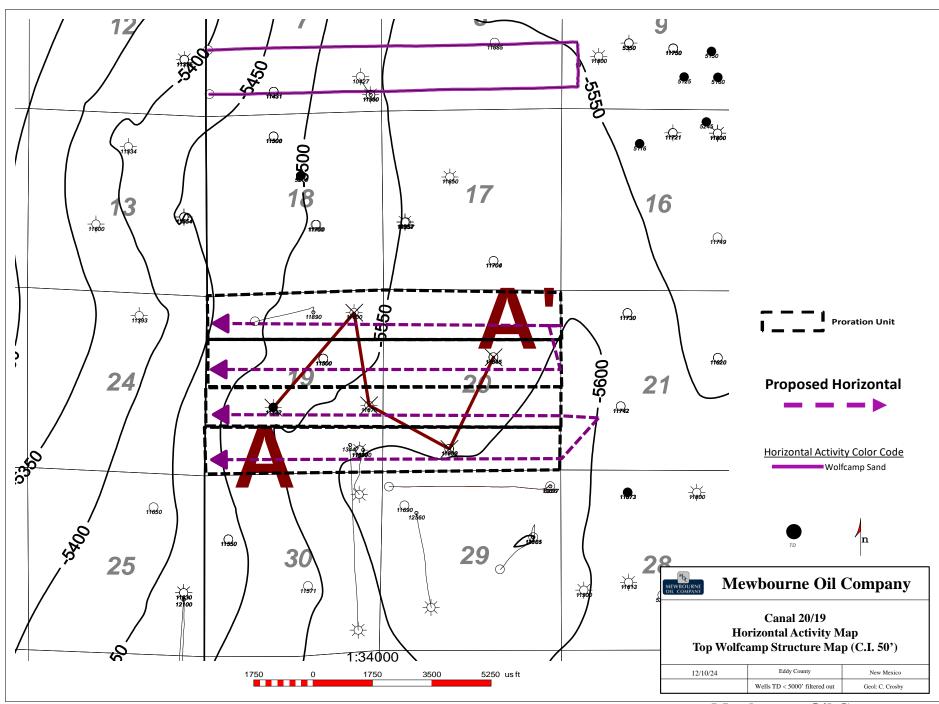
- 5. **Exhibit B-2** also identifies five wells penetrating the targeted intervals that I used to prepare a structural cross-section from A to A'. I used these well logs because they penetrate the targeted intervals, are of good quality, and are representative of the geology in the area.
- 6. **Exhibit B-3** is a stratigraphic cross-section that I prepared using the logs from the representative wells shown on Exhibit B-2. Each well log on the cross-section contains gamma ray, resistivity and porosity. The proposed landing zones for the wells are labeled on the exhibit. This cross-section demonstrates that the target interval is continuous across the Unit.
- 7. In my opinion, a lay down orientation for the proposed wells is appropriate to properly develop the subject acreage because of an established directional pattern and the known fracture orientation in this portion of the trend.
- 8. Based on my geologic study of the area, the targeted interval underlying the Unit is suitable for development by horizontal wells and the tracts comprising the Unit will contribute more or less equally to the production of the Wells.
- 9. In my opinion, the granting of Mewbourne's application will serve the interests of conservation, the protection of correlative rights, and the prevention of waste.
- 10. The attached exhibits were either prepared by me or under my supervision or were compiled from company business records.
- 11. I understand this Self-Affirmed Statement will be used as written testimony in this case. I affirm my testimony above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date identified next to my signature below.

CHARLES CROSBY

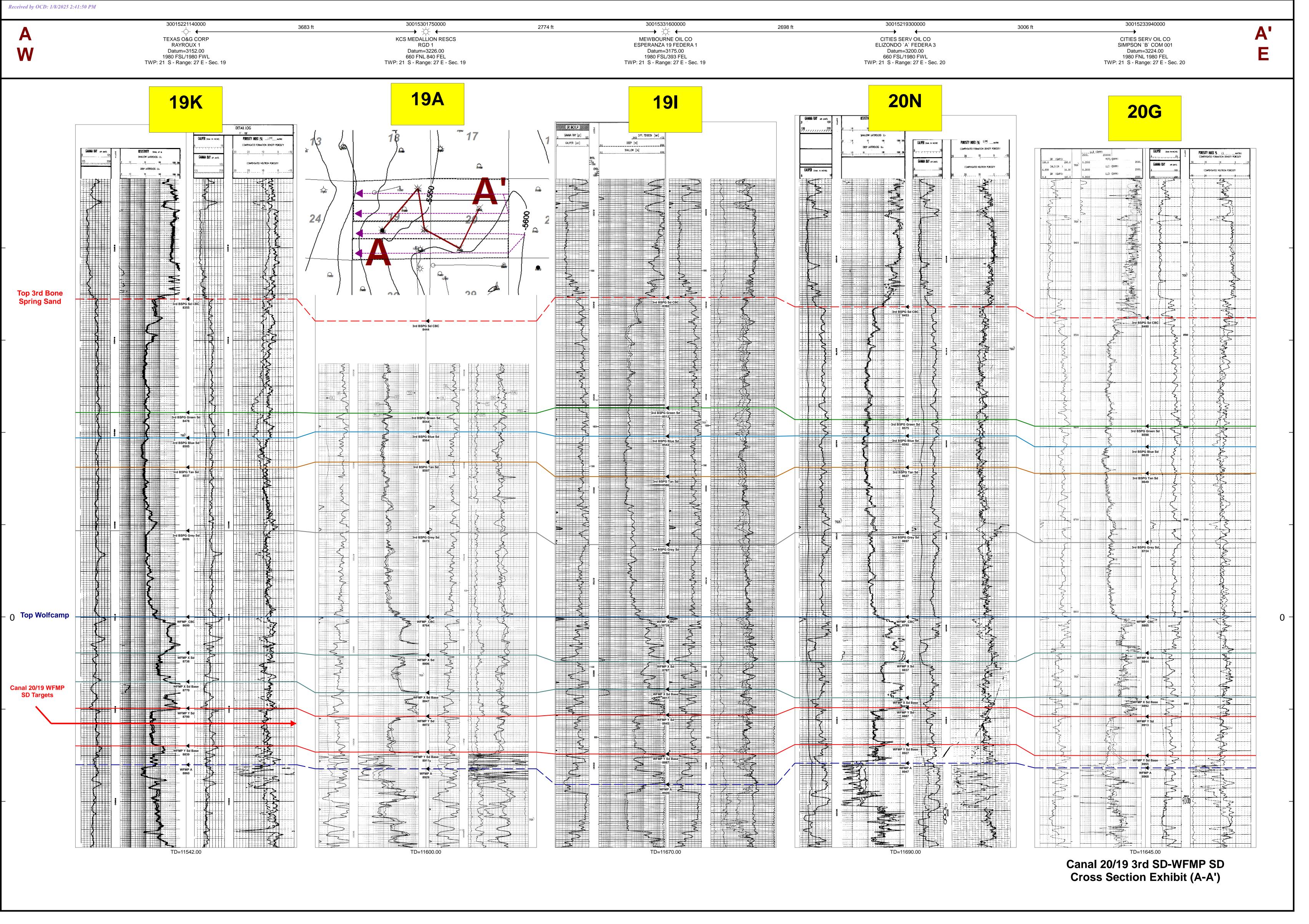
12/10/24 Date



Mewbourne Oil Company Case No. 24993 Exhibit B-1



Mewbourne Oil Company Case No. 24993 Exhibit B-2



Mewbourne Oil Company Case No. 24993 Exhibit B-3 Page 44 of 89

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

CASE NO. 24993

SELF-AFFIRMED STATEMENT OF DANA S. HARDY

- 1. I am attorney in fact and authorized representative of Mewbourne Oil Company, the Applicant herein.
- 2. I am familiar with the Notice Letters attached as **Exhibit C-1**, and caused the Notice Letters, along with the Application in this case, to be sent to the parties set out in the chart attached as **Exhibit C-2**.
- 3. **Exhibit C-2** also provides the date each Notice Letter was sent and the date each return was received.
- 4. Copies of the certified mail green cards and white slips are attached as **Exhibit C-3** as supporting documentation for proof of mailing and the information provided on **Exhibit C-2**.
- 5. On December 12, 2024, I caused a notice to be published in the Carlsbad Current Argus. An Affidavit of Publication from the Legal Clerk of the Carlsbad Current Argus along with a copy of the notice publication, is attached as **Exhibit C-4.**
- 6. I understand this Self-Affirmed Statement will be used as written testimony in the subject case. I affirm that my testimony above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

/s/ Dana S. Hardy
Dana S. Hardy

December 26, 2024 Date

> Mewbourne Oil Company Case No. 24993 Exhibit C



HINKLE SHANOR LLP

ATTORNEYS AT LAW
P.O. BOX 2068
SANTA FE, NEW MEXICO 87504

505-982-4554 (FAX) 505-982-8623

WRITER: Dana S. Hardy, Partner dhardy@hinklelawfirm.com

December 6, 2024

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

TO ALL PARTIES ENTITLED TO NOTICE

Re: Case No. 24993 – Application of Mewbourne Oil Company for Compulsory Pooling and Approval of Non-Standard Spacing Unit, Eddy County, New Mexico.

To whom it may concern:

This letter is to advise you that the enclosed application was filed with the New Mexico Oil Conservation Division. The hearing will be conducted on **January 9, 2025**, beginning at 9:00 a.m.

The hearing will be conducted in a hybrid fashion, both virtually and in-person at the Energy, Minerals, Natural Resources Department, Wendell Chino Building, Pecos Hall, 1220 South St. Francis Drive, 1st Floor, Santa Fe, NM 87505. To participate virtually, see the instructions posted on the OCD Hearings website: https://www.emnrd.nm.gov/ocd/hearing-info/. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

Pursuant to Division Rule 19.15.4.13.B, a party who intends to present evidence at the hearing shall file a pre-hearing statement and serve copies on other parties, or the attorneys of parties who are represented by counsel, at least four business days in advance of a scheduled hearing, but in no event later than 5:00 p.m. Mountain Time, on the Thursday preceding the scheduled hearing date. The statement must be submitted through the OCD E-Permitting system (https://www.apps.emnrd.nm.gov/ocd/ocdpermitting/) or via e-mail to ocd.hearings@emnrd.nm.gov and should include: the names of the parties and their attorneys, a concise statement of the case, the names of all witnesses the party will call to testify at the hearing, the approximate time the party will need to present its case, and identification of any procedural matters that are to be resolved prior to the hearing.

If you have any questions about this application, please contact Brad Dunn, Landman at Mewbourne Oil Company, via e-mail at bdunn@mewbourne.com, or by phone at (432) 682-3715.

Sincerely,

/s/ Dana S. Hardy

Dana S. Hardy

Mewbourne Oil Company Case No. 24993 Exhibit C-1

Enclosure

PO BOX 10 ROSWELL, NEW MEXICO 88202 (575) 622-6510 FAX (575) 623-9332 7601 JEFFERSON ST NE · SUITE 180 ALBUQUERQUE, NEW MEXICO 87109 505-858-8320 (FAX) 505-858-8321 PO BOX 2068 SANTA FE, NEW MEXICO 87504 (505) 982-4554 FAX (505) 982-8623



HINKLE SHANOR LLP

ATTORNEYS AT LAW
P.O. BOX 2068
SANTA FE, NEW MEXICO 87504
505-982-4554 (FAX) 505-982-8623

WRITER: Dana S. Hardy, Partner dhardy@hinklelawfirm.com

December 6, 2024

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

TO OFFSET PARTIES ENTITLED TO NOTICE

Re: Case No. 24993 – Application of Mewbourne Oil Company for Compulsory Pooling and Approval of Non-Standard Spacing Unit, Eddy County, New Mexico.

To whom it may concern:

This letter is to advise you that the enclosed applications were filed with the New Mexico Oil Conservation Division. The hearing will be conducted on **January 9**, **2025**, beginning at 9:00 a.m. You are receiving this letter because you have been identified as the owner of an interest in the acreage that offsets the proposed non-standard spacing unit.

The hearing will be conducted in a hybrid fashion, both in-person at the Energy, Minerals, Natural Resources Department, Wendell Chino Building, Pecos Hall, 1220 South St. Francis Drive, 1st Floor, Santa Fe, NM 87505. To participate virtually, see the instructions posted on the OCD Hearings website: https://www.emnrd.nm.gov/ocd/hearing-info/. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

Pursuant to Division Rule 19.15.4.13.B, a party who intends to present evidence at the hearing shall file a pre-hearing statement and serve copies on other parties, or the attorneys of parties who are represented by counsel, at least four business days in advance of a scheduled hearing, but in no event later than 5:00 p.m. Mountain Time, on the Thursday preceding the scheduled hearing date. The statement must be submitted through the OCD E-Permitting system (https://www.apps.emnrd.nm.gov/ocd/ocdpermitting/) or via e-mail to ocd.hearings@emnrd.nm.gov and should include: the names of the parties and their attorneys, a concise statement of the case, the names of all witnesses the party will call to testify at the hearing, the approximate time the party will need to present its case, and identification of any procedural matters that are to be resolved prior to the hearing.

Offset Notice Letter December 6, 2024 Page 2

If you have any questions about this application, please contact Brad Dunn, Landman at Mewbourne Oil Company, via e-mail at bdunn@mewbourne.com, or by phone at (432) 682-3715.

Sincerely,

/s/ Dana S. Hardy
Dana S. Hardy

Enclosure

HINKLE SHANOR LLP

APPLICATION OF MEWBOURNE OIL COMPANY FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT EDDY COUNTY, NEW MEXICO

CASE NO. 24993

NOTICE LETTER CHART

PARTY	NOTICE LETTER SENT	RETURN RECEIVED
Bill Britton	12-06-2024	USPS Tracking 12-26-
6104 S. Macon Way	9589071052701502520741	2024: Item delivered
Englewood, CO 80111		12-09-2024.
Charmar LLC	12-06-2024	12-17-2024
4815 Vista Del Oso Court NE	9589071052701502520758	
Albuquerque, NM 87109		
Cheryl Beck	12-06-2024	USPS Tracking 12-26-
1229 Sasebo NE	9589071052701502520765	2024: Item Return to
Albuquerque, NM 87112		Sender 12-17-2024.
Devon Energy Production Company LP	12-06-2024	USPS Tracking 12-26-
333 W. Sheridan Ave.	9589071052701502520772	2024: Item delivered
Oklahoma City, OK 73102		12-10-2024
Harvey R. Hicks, Jr.	12-06-2024	12-17-2024
3216 W. Belmont Ave.	9589071052701502520789	
Phoenix, AZ 85051		
Marathon Oil Permian LLC	12-06-2024	12-17-2024
900 Town and Country Blvd.	9589071052701502520796	
Houston, TX 77024		
Redfern Enterprises, Inc.	12-06-2024	12-17-2024
303 West Wall Street, Ste. 1900	9589071052701502520802	
Midland, TX 79702-2127		
Wynn-Crosby Partners III, Ltd.	12-06-2024	USPS Tracking 12-26-
15660 North Dallas Parkway,	9589071052701502520819	2024: Item in transit.
Ste. 1175		
Dallas, TX 75248		

Mewbourne Oil Company Case No. 24993 Exhibit C-2

APPLICATION OF MEWBOURNE OIL COMPANY FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT EDDY COUNTY, NEW MEXICO

CASE NO. 24993

OFFSET PARTIES NOTICE LETTER CHART

PARTY	NOTICE LETTER	RETURN RECEIVED
	SENT	
Bill Britton	12-06-2024	USPS Tracking 12-26-
6104 S. Macon Way	9589071052701502520826	2024: Item delivered
Englewood, CO 80111		12-09-2024.
Bristol Resource Corporation	12-06-2024	12-17-2024
6655 South Lewis, Ste. 200	9589071052701502520833	Return to Sender.
Tulsa, OK 74136		
Bureau of Land Management	12-06-2024	12-17-2024
301 Dinosaur Trail	9589071052701502520840	
Santa Fe, NM 87508		
Charmar LLC	12-06-2024	12-17-2024
4815 Vista Del Oso Court NE	9589071052701502520857	
Albuquerque, NM 87109		
Cheryl Beck	12-06-2024	12-17-2024
1229 Sasebo NE	9589071052701502520864	Return to Sender.
Albuquerque, NM 87112		
Claremont Corporation	12-06-2024	USPS Tracking 12-26-
PO Box 3226	9589071052701502520871	2024:
Tulsa, OK 74101		Item delivered 12-09-
,		2024.
Devon Energy Production Company LP	12-06-2024	USPS Tracking 12-26-
333 W. Sheridan Ave.	9589071052701502520888	2024: Item delivered
Oklahoma City, OK 73102		12-10-2024.
EOG Resources Inc.	12-06-2024	USPS Tracking 12-26-
5509 Champions Dr.	9589071052701502520895	2024: Item delivered
Midland, TX 79706		12-10-2024.
Harvard Petroleum Company, LLC	12-06-2024	12-17-2024
PO Box 936	9589071052701502520901	
Roswell, NM 88202		
Harvey R. Hicks, Jr.	12-06-2024	12-17-2024
3216 Belmont Avenue	9589071052701502520918	
Phoenix, AZ 85051		
Marathon Oil Permian LLC	12-06-2024	12-17-2024
990 Town and Country Blvd.	9589071052701502520925	
Houston, TX 77024		

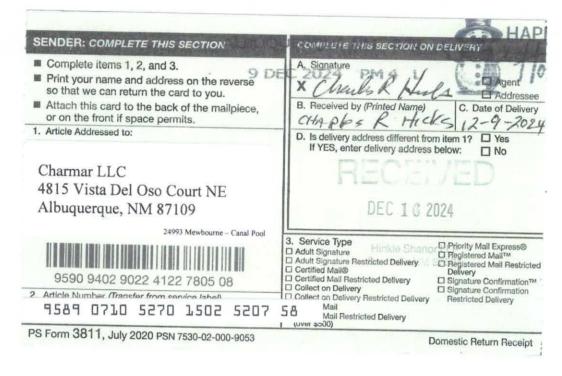
APPLICATION OF MEWBOURNE OIL COMPANY FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT EDDY COUNTY, NEW MEXICO

CASE NO. 24993

OFFSET PARTIES NOTICE LETTER CHART

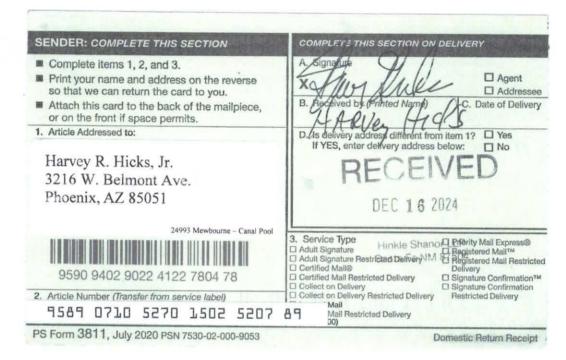
Matadan Duadwatian Commany	12-19-2024	LICDS Treading 12 26
Matador Production Company		USPS Tracking 12-26-
One Lincoln Centre	9589071052701502391372	2024: Item in transit.
5400 LBJ Freeway, Ste. 1500		
Dallas, TX 75240		
New Mexico State Land Office	12-06-2024	12-17-2024
PO Box 1148	9589071052701502520932	
Santa Fe, NM 87504		
Northern Oil & Gas, Inc.	12-06-2024	12-17-2024
4350 Baker Rd. Ste. 400	9589071052701502520949	
Minnetonka, Minnesota, 55343		
Permian Resources Operating, LLC	12-06-2024	12-17-2024
300 N. Marienfeld St. Ste 1000	9589071052701502520956	
Midland, TX 79701		
Ray Westall Operating, Inc.	12-06-2024	12-17-2024
PO Box 4	9589071052701502520963	
Loco Hills, New Mexico 88255		
Redfern Enterprises, Inc.	12-06-2024	12-17-2024
303 West Wall St. Ste. 1900	9589071052701502520970	
Midland, TX 79702-2127		
Snow Oil & Gas Inc.	12-06-2024	12-17-2024
PO Box 1277	9589071052701502520987	
Andrews, TX 79714		
Wynn-Crosby Partners III, Ltd.	12-06-2024	12-17-2024
1700 Pacific Ave. Ste. 1200	9589071052701502520994	
Dallas, TX 75201		

58	U.S. Postal Service [™] CERTIFIED MAIL® REC	EIPT
5207	For delivery information, visit our website	at www.usps.cm
1.502	Certified Mail Fee \$ Extra Services & Fees (check box, add fee as appropriate) Return Receipt (hardcopy) \$	9
5270	Return Receipt (electronic) \$ Certified Mail Restricted Delivery \$ Adult Signature Required \$ Adult Signature Restricted Delivery \$	DEC Posima 024
0770	S Total Postage and Fees Sent To	1:500
9589	Charmar LLC 4815 Vista Del Oso Court NE Albuquerque, NM 87109 24993 Mewbourne - Canal Poo	
	PS Form 3800, January 2023 PSN 7530-02-000-9047	See Reverse for Instructions



Mewbourne Oil Company Case No. 24993 Exhibit C-3

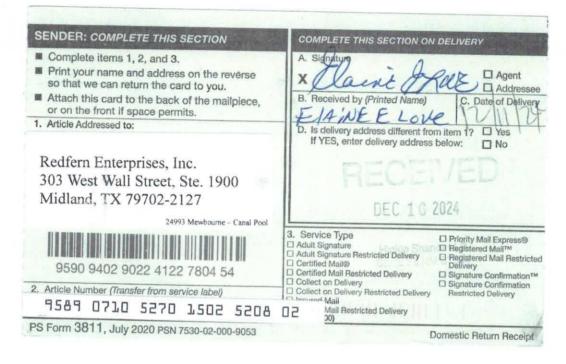
8-3	U.S. Postal Service [™] CERTIFIED MAIL [®] RECEIPT Domestic Mail Only
5207	For delivery information, visit our website at www.usps.com
1,502	Certified Mail Fee \$ Extra Services & Fees (check box, add fee as appropriate) Return Receipt (hardcopy) \$ PEC 0 6 2024
5270	Return Receipt (electronic) \$ Cortified Mail Restricted Delivery \$ Adult Signature Required \$ Adult Signature Restricted Delivery \$ Postage
0770	\$ Total Postage and Fees \$ Sent To
9589	Street a: Harvey R. Hicks, Jr. 3216 W. Belmont Ave. Phoenix, AZ 85051 24993 Mewbourne - Canal Poo
	PS Form 3800, January 2023 PSN 7530-00-9047 See Reverse for instructions













USPS Tracking®

FAQs >

Tracking Number:

Remove X

9589071052701502520741

Copy Add to Informed Delivery (https://informeddelivery.usps.com/)

Latest Update

Your item was delivered to an individual at the address at 4:21 pm on December 9, 2024 in ENGLEWOOD, CO 80111.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Delivered, Left with Individual

ENGLEWOOD, CO 80111 December 9, 2024, 4:21 pm

Departed USPS Regional Facility

DENVER CO DISTRIBUTION CENTER December 9, 2024, 7:51 am

Arrived at USPS Regional Facility

DENVER CO DISTRIBUTION CENTER December 8, 2024, 1:01 am

In Transit to Next Facility

December 7, 2024

Departed USPS Facility

ALBUQUERQUE, NM 87101 December 6, 2024, 10:07 pm -eedbacl



USPS Tracking®

FAQs >

Tracking Number:

Remove X

9589071052701502520765

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Latest Update

Your item has been delivered to the original sender at 9:01 am on December 17, 2024 in SANTA FE, NM 87501.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Delivered, To Original Sender

SANTA FE, NM 87501 December 17, 2024, 9:01 am

Redelivery Scheduled

ALBUQUERQUE, NM 87112 December 16, 2024

Available for Pickup

SANTA FE 120 S FEDERAL PL STE 101 SANTA FE NM 87501-9902 M-F 0800-1730; SAT 0900-1530 December 16, 2024, 9:46 am

Out for Delivery

SANTA FE, NM 87501 December 16, 2024, 9:32 am

Arrived at Post Office

Released to Imaging: 1/9/2025 8:26:55 AM

Feedback



USPS Tracking®

FAQs >

Tracking Number:

Remove X

9589071052701502520772

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Latest Update

Your item has been delivered and is available at a PO Box at 7:30 am on December 10, 2024 in OKLAHOMA CITY, OK 73102.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Delivered, PO Box

OKLAHOMA CITY, OK 73102 December 10, 2024, 7:30 am

Out for Delivery

OKLAHOMA CITY, OK 73102 December 10, 2024, 6:40 am

Arrived at Post Office

OKLAHOMA CITY, OK 73102 December 10, 2024, 6:29 am

Arrived at USPS Regional Facility

OKLAHOMA CITY OK DISTRIBUTION CENTER December 8, 2024, 10:44 am

In Transit to Next Facility

December 7, 2024

-eedbacl



USPS Tracking®

FAQs >

Tracking Number:

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9589071052701502520819

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Latest Update

Your package is moving within the USPS network and is on track to be delivered to its final destination. It is currently in transit to the next facility.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Moving Through Network

In Transit to Next Facility

December 24, 2024

Arrived at USPS Facility

ALBUQUERQUE, NM 87101 December 20, 2024, 12:58 pm

Arrived at USPS Regional Facility

COPPELL TX DISTRIBUTION CENTER December 14, 2024, 4:20 pm

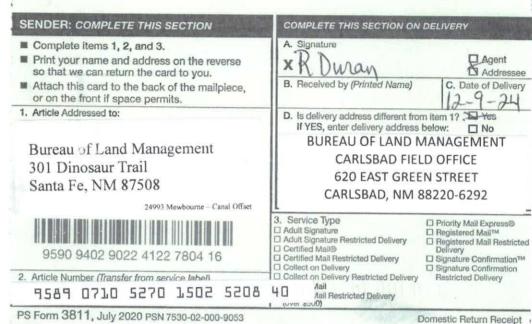
Addressee Unknown

DALLAS, TX 75248 December 9, 2024, 12:59 pm

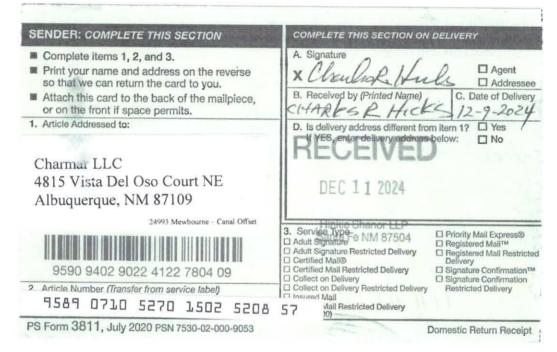
Arrived at USPS Regional Facility

DALLAS TX DISTRIBUTION CENTER December 8, 2024, 10:08 am -eedbacl





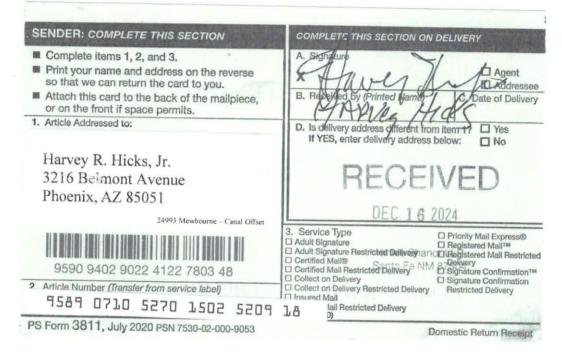












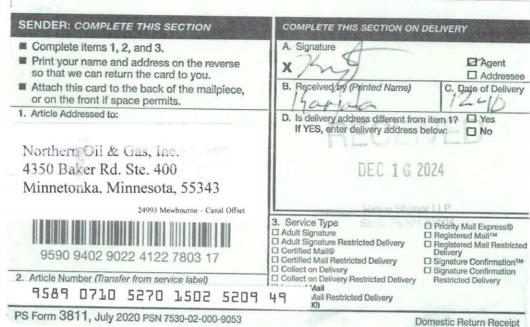
































HINKLE SHANOR LLP ATTORNEYS AT LAW

POST OFFICE BOX 2068 SANTA FE. NEW MEXICO 87504

RECEIVED

DEC 17 2024

Hinkle Shanor LLP



9589 0710 5270 1502 5208 33

Bristol Resource Corporation 6655 South Lewis, Ste. 200 Tulsa, OK 74136

24993 Mewbourne - Canal Offset

731 NFE 1 AZ319012/10/24
RETURN TO SENDER
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MOVED LEFT NO ADDRESS
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HINKLE SHANOR LLP

ATTORNEYS AT LAW

POST OFFICE BOX 2068 SANTA FE. NEW MEXICO 87504



9589 0710 5270 1502 5207 65

POSTAGE MIPITNEY BOWES

Cheryl Beck 1229 Sasebo NE Albuquerque, NM 87112

U.S. Postal Service"

Domestic Mail Only

Pertified Mail Fee

Return Receipt (hardcopy) Return Receipt (electronic)

Adult Signature Required

Total Postage and Fees

Certified Mail Restricted Delivery

Cheryl Beck

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Postage

Sent To

Street and A

City, State, 2

CERTIFIED MAIL® RECEIPT

24993 Mewbourne - Canal Pool

DEC 17

Hinkle blianor au-MITXIE RESURB OU SERVICE UNABLE TO FURWARD 87504206868 - 1755-06996-12-29 87504>2068 8711286327

Page 77 of 89



USPS Tracking®

FAQs >

Tracking Number:

Remove X

9589071052701502520826

Copy Add to Informed Delivery (https://informeddelivery.usps.com/)

Latest Update

Your item was delivered to an individual at the address at 4:21 pm on December 9, 2024 in ENGLEWOOD, CO 80111.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Delivered, Left with Individual

ENGLEWOOD, CO 80111 December 9, 2024, 4:21 pm

Departed USPS Regional Facility

DENVER CO DISTRIBUTION CENTER December 9, 2024, 7:51 am

Arrived at USPS Regional Facility

DENVER CO DISTRIBUTION CENTER December 8, 2024, 1:01 am

In Transit to Next Facility

December 7, 2024

Departed USPS Facility

ALBUQUERQUE, NM 87101 December 6, 2024, 10:07 pm -eedbacl



USPS Tracking®

FAQs >

Tracking Number:

Remove X

9589071052701502520888

Copy Add to Informed Delivery (https://informeddelivery.usps.com/)

Latest Update

Your item has been delivered and is available at a PO Box at 7:30 am on December 10, 2024 in OKLAHOMA CITY, OK 73102.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Delivered, PO Box

OKLAHOMA CITY, OK 73102 December 10, 2024, 7:30 am

Out for Delivery

OKLAHOMA CITY, OK 73102 December 10, 2024, 6:40 am

Arrived at Post Office

OKLAHOMA CITY, OK 73102 December 10, 2024, 6:29 am

Arrived at USPS Regional Facility

OKLAHOMA CITY OK DISTRIBUTION CENTER December 8, 2024, 10:44 am

In Transit to Next Facility

December 7, 2024

Feedbac



USPS Tracking®

FAQs >

Tracking Number:

Remove X

9589071052701502520871

Copy Add to Informed Delivery (https://informeddelivery.usps.com/)

Latest Update

Your item was picked up at the post office at 12:02 pm on December 9, 2024 in TULSA, OK 74103.

Get More Out of USPS Tracking:

USPS Tracking Plus®

eedbacl

Delivered

Delivered, Individual Picked Up at Post Office

TULSA, OK 74103 December 9, 2024, 12:02 pm

See All Tracking History

What Do USPS Tracking Statuses Mean? (https://faq.usps.com/s/article/Where-is-my-package)

Text & Email Updates	~
USPS Tracking Plus®	~
Product Information	~

See Less ∧

Track Another Package



USPS Tracking®

FAQs >

Tracking Number:

Remove X

9589071052701502520895

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Latest Update

Your item was picked up at a postal facility at 9:01 am on December 10, 2024 in MIDLAND, TX 79701.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Delivered, Individual Picked Up at Postal Facility

MIDLAND, TX 79701 December 10, 2024, 9:01 am

Delivered to Agent, Picked up at USPS

MIDLAND, TX 79706 December 10, 2024, 7:33 am

In Transit to Next Facility

December 9, 2024

Arrived at USPS Regional Facility

MIDLAND TX DISTRIBUTION CENTER December 8, 2024, 5:43 pm

Departed USPS Facility

ALBUQUERQUE, NM 87101 December 6, 2024, 10:07 pm

Arrived at USPS Facility

Released to Imaging: 1/9/2025 8:26:55 AM

-eedback



USPS Tracking®

FAQs >

Tracking Number:

Remove X

9589071052701502391372

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Latest Update

Your package is moving within the USPS network and is on track to be delivered to its final destination. It is currently in transit to the next facility.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Out for Delivery

Preparing for Delivery

Moving Through Network

In Transit to Next Facility

December 25, 2024

Departed USPS Regional Facility

DALLAS TX DISTRIBUTION CENTER December 24, 2024, 2:30 am

See All Tracking History

What Do USPS Tracking Statuses Mean? (https://faq.usps.com/s/article/Where-is-my-package)

Text & Email Updates



AFFIDAVIT OF PUBLICATION

CARLSBAD CURRENT-ARGUS PO BOX 507 HUTCHINSON, KS 67504-0507

STATE OF NEW MEXICO COUNTY OF EDDY

SS

Account Number: 94 Ad Number:

25600

Description:

Mewbourne-Canal 24993

Ad Cost:

\$138.22

Sherry Groves, being first duly sworn, says:

That she is the Agent of the the Carlsbad Current-Argus, a Weekly newspaper of general circulation, printed and published in Carlsbad, Eddy County, New Mexico; that the publication, a copy of which is attached hereto, was published in said newspaper on the following dates:

December 12, 2024

That said newspaper was regularly issued and circulated on those dates. SIGNED:

Sherry Drives

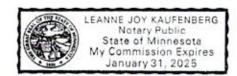
Agent

Subscribed to and sworn to me this 12th day of December 2024.

Leanne Kaufenberg, Notary Public, Redwood County

Minnesota

CARA DOUGLAS HINKLE SHANOR, LLP PO BOX 2068 Santa Fe, NM 87504 cdouglas@hinklelawfirm.com **Mewbourne Oil Company** Case No. 24993 Exhibit C-4



PUBLIC NOTICE

This is to notify all interested parties, including: Bill Britton; Bristol Resource Corporation; Bureau of Land Management; Charmar LLC; Cheryl Beck; Claremont Corporation; Devon Energy Production Company; EOG Resources Inc.; Harvard Petroleum Company, LLC; Harvey R. Hicks, Jr.; Marathon Oil Permian LLC; New Mexico State Land Office; Northern Oil & Gas. Inc.; Permian Resources Operating, LLC; Ray Westall Operating, Inc.; Redfern Enterprises, Inc.; Snow Oil & Gas Inc.; Wynn-Crosby Partners III, Ltd.; and their successors and assigns, that the New Mexico Oil Conservation Division will conduct a hearing on an application submitted by Mewbourne Oil Company (Case Number 24993). The hearing will be conducted on January 9, 2025, in a hybrid fashion, both virtually and in-person at the Energy, Minerals, Natural Resources Department, Wendell Chino Building, Pecos Hall, 1220 South St. Francis Drive, 1st Floor, Santa Fe, NM 87505. To participate virtually, see the instructions posted on the OCD Hearings website: https://www. emnrd.nm.gov/ocd/hearinginfo/. Mewbourne Oil Com-pany ("Applicant") applies for an order pooling all uncommitted interests in the Wolfcamp formation underlying a 1,269.92 acre, more or less, non-standard horizonal spacing non-standard horizonal spacing unit comprised of Sections 19 and 20, Township 21 South, Range 27 East, Eddy County, New Mexico ("Unit"). The Unit will be dedicated to the following wells ("Wells"): The Canal 20/19 Fed Com #712H well, which will be drilled well, which will be drilled from a surface hole location in trom a surface hole location in the NE/4 NE/4 (Unit A) of Section 20 to a bottom hole location in the NW/4 NW/4 (Unit D) of Section 19; the Canal 20/19 Fed Com #714H well, which will be drilled from a surface hole location in from a surface hole location in the NE/4 NE/4 (Unit A) of the NE/4 NE/4 (Unit A) or Section 20 to a bottom hole location in the SW/4 NW/4 (Unit E) of Section 19; the Canal 20/19 Fed Com #716H well, which will be drilled from a surface hole location in the SW/4 SW/4 (Unit M) of Section 21 to a bottom hole location in the NW/4 SW/4 (Unit L) of Section 19; and the Canal 20/19 Fed Com #718H well, which will be drilled from a surface hole location in the SW/4 SW/4 (Unit M) of Section 21 to a bottom hole location in the SW/4 SW/4 (Unit M) of Section 19. The completed intervals of the Wells will be orthodox. Also to be considered will be the cost of drilling and completing the Wells and the allocation of the costs, the designation of Applicant as the operator of the Wells, and a 200% charge

for the risk involved in drilling and completing the Wells. The Wells are located approximately 3 miles north of Carlsbad, New Mexico.

Published in the Carlsbad Current-Argus December 12, 2024. #25600