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

APPLICATION OF LONGELLOW ENERGY, LP FOR COMPULSORY POOLING AND FOR APPROVAL OF A NON-STANDARD LOCATION, EDDY COUNTY, NEW MEXICO

CASE NO. 21792



*Santana State Com 20CD* 001H, 002H, 003H, 004H, 005H, 006H

April 8, 2021

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Tab 1

## COMPUSOR POOL NGPAPPLICATION CHECKLIST

#### ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case: 21792	APPLICANT'S RESPONSE
Date	April 8, 2021
Applicant	Longfellow Energy, LP
Designated Operator & OGRID (affiliation if applicable)	372210
Applicant's Counsel: Case Title:	Montgomery & Andrews, P.A. (Sharon Shaheen & John McIntyre) Application of Longfellow Energy, LP for Compulsory Pooling and Approval of Non-Standard Location, Eddy County, New Mexico
Entries of Appearance/Intervenors:	None
Well Family	Santana State Com 20 CD
Formation/Pool	
Formation Name(s) or Vertical Extent:	Yeso Formation
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	Yeso Formation
Pool Name and Pool Code:	Artesia; Glorieta-Yeso [96830]
Well Location Setback Rules:	Statewide Rules
Spacing Unit Size:	320 acres, more or less
Spacing Unit	
Type (Horizontal/Vertical)	Horizotal
Size (Acres)	320 acres, more or less
Building Blocks:	Quarter-quart section (40 ac)
Orientation:	East-West
Description: TRS/County	S/2 of Section 20-17S-28E
Standard Horizontal Well Spacing Unit (Y/N), If No, describe	Yes
Other Situations	
Depth Severance: Y/N. If yes, description	None
Proximity Tracts: If yes, description	No
Proximity Defining Well: if yes, description	N/A
Applicant's Ownership in Each Tract	Tract 1 = 50%, Tract 2 = 0%, Tract 3 = 0%
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	
Well #1	Santana State Com 20CD 001H, API 30-015 SHL: 1,295' FSL and 200' FWL of Section 21-17S-28E, BHL: 2,301' FSL and 100' FWL of Section 20-17S-28E Completion Target: Yeso at approximately 3,600' Well Orientation: East to West Completion located expected to be standard
Horizontal Well First and Last Take Points	FTP (~2,313' FSL and 100' FEL of Section 20-175-28E); LTP (~2,301' FSL and 100' FWL of Section 20-17S-28E)
Completion Target (Formation, TVD and MD)	Yeso Formation - TVD (~3,600'), MD (~9,015')
Well #2	Santana State Com 20CD 002H, API 30-015 SHL: 1,270' FSL and 200' FWL of Section 21-17S-28E, BHL: 1,851' FSL and 100' FWL of Section 20-17S-28E Completion Target: Yeso at approximately 4,000' Well Orientation: East to West Completion located expected to be standard

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Horizertal 20 94 FOCD 498 2027 P8: 45:05 PM	FTP (~1,863' FSL and 100' FEL of Section 20-17S-28E); LTP (~1,851' FSL and 100' FWL of Section 20-17S-28E)	Page 5 of 10
Completion Target (Formation, TVD and MD)	Yeso Formation - TVD (~4,000'), MD (~9,415')	
Well #3	Santana State Com 20CD 003H, API 30-015 SHL: 1,245' FSL and 200' FWL of Section 21-17S-28E, BHL: 1,401' FSL and 100' FWL of Section 20-17S-28E Completion Target: Yeso at approximately 3,600' Well Orientation: East to West Completion located expected to be standard	
Horizontal Well First and Last Take Points	FTP (~1,413' FSL and 100' FEL of Section 20-17S-28E); LTP (~1,401' FSL and 100' FWL of Section 20-17S-28E)	
Completion Target (Formation, TVD and MD)	Yeso Formation - TVD (~3,600'), MD (~9,015')	
Well #4	Santana State Com 20CD 004H, API 30-015 SHL: 1,200' FSL and 200' FWL of Section 21-17S-28E, BHL: 1,005' FSL and 100' FWL of Section 20-17S-28E Completion Target: Yeso at approximately 4,000' Well Orientation: East to West Completion located expected to be standard	
Horizontal Well First and Last Take Points	FTP (~1,017' FSL and 100' FEL of Section 20-17S-28E); LTP (~1,005' FSL and 100' FWL of Section 20-17S-28E)	
Completion Target (Formation, TVD and MD)	Yeso Formation - TVD (~4,000'), MD (~9,415')	
Well #5	Santana State Com 20CD 005H, API 30-015 SHL: 1,195' FSL and 200' FWL of Section 21-17S-28E, BHL: 610' FSL and 100' FWL of Section 20-17S-28E Completion Target: Yeso at approximately 3,600' Well Orientation: East to West Completion located expected to be standard	
Horizontal Well First and Last Take Points	FTP (~622' FSL and 100' FEL of Section 20-17S-28E); LTP (~610' FSL and 100' FWL of Section 20-17S-28E)	
Completion Target (Formation, TVD and MD)	Yeso Formation - TVD (~3,600'), MD (~9,015')	
Well #6	Santana State Com 20CD 006H, API 30-015 SHL: 1,170' FSL and 200' FWL of Section 21-17S-28E, BHL: 214' FSL and 100' FWL of Section 20-17S-28E Completion Target: Yeso at approximately 4,000' Well Orientation: East to West Completion location expected to be non-standard as	
Horizontal Well First and Last Take Points	approved by AO NSL-8156; see Exhibit A, Paragraph 7 FTP (~226' FSL and 100' FEL of Section 20-17S-28E); LTP (~214' FSL and 100' FWL of Section 20-17S-28E)	
Completion Target (Formation, TVD and MD)	Yeso Formation - TVD (~4,000'), MD (~9,415')	
AFE Capex and Operating Costs		
Drilling Supervision/Month \$	\$8,000; see Exhibit A, Paragraph 18	
Production Supervision/Month \$	\$800; see Exhibit A, Paragraph 18	

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Jus River and Lys QC Disid Hold 2021 6:45:05 PM	Please see AFE at Exhibit A-7
Requested Risk Charge	200%; see Exhibit A, Paragraph 19
Notice of Hearing	
Proposed Notice of Hearing	Submitted with online filing of Application
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit C; see Exhibit A-8
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit C
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	See Exhibits A-2, A-3 & A-4
Tract List (including lease numbers and owners)	Exhibits A-2, A-3 & A-4
Pooled Parties (including ownership type)	Exhibit A-4
Unlocatable Parties to be Pooled	None
Ownership Depth Severance (including percentage above & below)	None
Joinder	
Sample Copy of Proposal Letter	Exhibit A-7
List of Interest Owners (ie Exhibit A of JOA)	Exhibit A-4
Chronology of Contact with Non-Joined Working Interests	Exhibit A-5
Overhead Rates In Proposal Letter	See Exhibit A-7
Cost Estimate to Drill and Complete	See AFE at Exhibit A-7
Cost Estimate to Equip Well	See AFE at Exhibit A-7
Cost Estimate for Production Facilities	See AFE at Exhibit A-7
Geology	
Summary (including special considerations)	Exhibit B-1
Spacing Unit Schematic	Exhibit B-3
Gunbarrel/Lateral Trajectory Schematic	Exhibit B-7
Well Orientation (with rationale)	Exhibit B-1
Target Formation	Exhibits B-4, B-5 & B-6
HSU Cross Section	Exhibit B-6
Depth Severance Discussion	n/a
Forms, Figures and Tables	
C-102	Exhibit A-6
Tracts	Exhibit A-2
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit A-2, A-3 & A-4
General Location Map (including basin)	Exhibit A-1
Well Bore Location Map	Exhibit B-3
Structure Contour Map - Subsea Depth	Exhibit B-2
Cross Section Location Map (including wells)	Exhibit B-5
Cross Section (including Landing Zone)	Exhibit B-6
Additional Information	
Special Provisions/Stipulations	
CERTIFICATION: I hereby certify that the information provi	ided in this checklist is complete and accurate.
Printed Name (Attorney or Party Representative):	Ryan_Culpepper
Signed Name (Attorney or Party Representative):	Na him
Date:	4/6/2021

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Tab 2

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

## APPLICATION OF LONGFELLOW ENERGY, LP FOR COMPULSORY POOLING AND FOR APPROVAL OF A NON-STANDARD LOCATION, EDDY COUNTY, NEW MEXICO

Case No. 21792

#### APPLICATION

Longfellow Energy, LP ("Longfellow"), through its undersigned counsel Montgomery & Andrews, P.A. (Sharon T. Shaheen and John F. McIntyre), hereby files this application with the Oil Conservation Division pursuant to the provisions of NMSA 1978, § 70-2-17, for an order pooling all mineral interests in the Yeso formation (Artesia; Glorieta-Yeso [96830]) in a standard 320-acre, more or less, horizontal spacing and proration unit ("HSU") comprised of the S/2 of Section 20, Township 17 South, Range 28 East, NMPM, in Eddy County, New Mexico. In support of its application, Longfellow states as follows:

1. Longfellow is a working interest owner in the proposed HSU and has the right to drill thereon.

- 2. Longfellow proposes to drill the following 1-mile wells in the proposed HSU:
  - Santana State Com 20CD 001H well, to be horizontally drilled from an approximate surface hole location 1295' FSL and 200' FWL of Section 21, T17S-R28E, to an approximate bottom hole location 2301' FSL and 100' FWL of Section 20, T17S-R28E.
  - Santana State Com 20CD 002H well, to be horizontally drilled from an approximate surface hole location 1270' FSL and 200' FWL of Section 21, T17S-

R28E, to an approximate bottom hole location 1851' FSL and 100' FWL of Section 20, T17S-R28E.

- Santana State Com 20CD 003H well, to be horizontally drilled from an approximate surface hole location 1245' FSL and 200' FWL of Section 21, T17S-R28E, to an approximate bottom hole location 1401' FSL and 100' FWL of Section 20, T17S-R28E.
- Santana State Com 20CD 004H well, to be horizontally drilled from an approximate surface hole location 1220' FSL and 200' FWL of Section 21, T17S-R28E, to an approximate bottom hole location 1005' FSL and 100' FWL of Section 20, T17S-R28E.
- Santana State Com 20CD 005H well, to be horizontally drilled from an approximate surface hole location 1195' FSL and 200' FWL of Section 21, T17S-R28E, to an approximate bottom hole location 610' FSL and 100' FWL of Section 20, T17S-R28E.
- Santana State Com 20CD 006H well, to be horizontally drilled from an approximate surface hole location 1170' FSL and 200' FWL of Section 21, T17S-R28E, to an approximate bottom hole location 214' FSL and 100' FWL of Section 20, T17S-R28E.

3. The completed intervals and first and last take points for all wells except the Santana State Com 20CD 006H will meet the setback requirements set forth in the statewide rules for horizontal oil wells. Applicant requests approval of an unorthodox location for the Santana State Com 20CD 006H because the completed interval is closer than 330' from the outer boundary of the HSU.

4. Longfellow has in good faith sought and been unable to obtain voluntary agreement for the development of these lands from all of the mineral interest owners in the HSU.

5. Approval of the HSU and the pooling of all mineral interest owners in the Yeso formation underlying the HSU will avoid the drilling of unnecessary wells, prevent waste, and protect correlative rights.

6. In order to permit Longfellow to obtain its just and fair share of the oil and gas underlying the subject lands, all uncommitted interests in this HSU should be pooled and Longfellow should be designated the operator of the HSU.

WHEREFORE, Longfellow requests that this application be set for hearing before an Examiner of the Oil Conservation Division on April 8, 2021, and that, after notice and hearing as required by law, the Division enter an order:

A. Creating a standard 320-acre, more or less, HSU comprised of the S/2 of Section
20, Township 17 South, Range 28 East, NMPM, in Eddy County, New Mexico;

B. Pooling all mineral interests in the Yeso formation underlying the HSU;

C. Allowing the drilling of the following 1-mile wells in the HSU: (1) Santana State Com 20CD 001H, (2) Santana State Com 20CD 002H, (3) Santana State Com 20CD 003H, (4) Santana State Com 20CD 004H, (5) Santana State Com 20CD 005H, and (6) Santana State Com 20CD 006H.

D. Approving the non-standard location of the completed interval for the Santana State Com 20CD 006H.

E. Designating Longfellow as operator of the HSU and the wells to be drilled thereon;

F. Authorizing Longfellow to recover its costs of drilling, equipping and completing the wells;

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G. Approving the operating charges and costs of supervision while drilling of \$8,000/month and, after completion, \$800/month, together with a provision adjusting the rates pursuant to the COPAS accounting procedures; and

H. Imposing a 200% penalty for the risk assumed by Longfellow in drilling and completing the wells against any interest owner who does not voluntarily participate in the drilling of the wells.

Respectfully submitted,

MONTGOMERY & ANDREWS, P.A.

<u>/s/ Sharon T. Shaheen</u> Sharon T. Shaheen John F. McIntyre Post Office Box 2307 Santa Fe, NM 87504-2307 (505) 986-2678 <u>sshaheen@montand.com</u> <u>jmcintyre@montand.com</u>

Attorneys for Longfellow Energy, LP

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Tab 3

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

APPLICATION OF LONGELLOW ENERGY, LP FOR COMPULSORY POOLING AND FOR APPROVAL OF A NON-STANDARD LOCATION, EDDY COUNTY, NEW MEXICO

CASE NO. 21792

### AFFIDAVIT OF RYAN CULPEPPER

I, being duly sworn on oath, state the following:

1. I am over the age of 18 and have the capacity to execute this Affidavit, which is based on my personal knowledge.

2. I am employed as a Land Manager with Longfellow Energy, LP ("Longfellow"),

and I am familiar with the subject applications and the lands involved.

3. This affidavit is submitted in connection with the filings by Longfellow of the

above referenced compulsory pooling applications pursuant to 19.15.4.12.A(1) NMAC.

4. I have previously testified before the New Mexico Oil Conversation Division as an expert witness in petroleum land matters. My credentials as a petroleum landman have been accepted by the Division and made a matter of record.

5. The purpose of these applications is to force pool working interest owners and uncommitted mineral interest owners into the horizontal spacing and proration unit ("HSU") described below, and in the wells to be drilled in that unit.

6. No opposition is expected. The interest owners being pooled have been contacted regarding the proposed wells, but have failed or refused to voluntarily commit their interests in the wells.

Exhibit A Longfellow Energy, LP NMOCD Case No. 21792 April 8, 2021 7. In Case No. 21792, Longfellow seeks an order pooling all uncommitted interests in the Yeso formation (Artesia; Glorieta-Yeso [96830]) in a standard 320 acre, more or less, HSU comprised of the S/2 of Section 20-17S-28E in Eddy County, New Mexico. Longfellow proposes to drill the following wells in the HSU:

- Santana State Com 20CD 001H well, to be horizontally drilled from an approximate surface hole location 1295' FSL and 200' FWL of Section 21, T17S-R28E, to an approximate bottom hole location 2301' FSL and 100' FWL of Section 20, T17S-R28E. The proposed true vertical depth is approximately 3600' and the total measured depth is approximately 9015'. The first take point will be located approximately 2313' FSL and 100' FEL of Section 20-17S-28E and the last take point will be located approximately 2301' FSL and 100' FWL of Section 20-17S-28E.
- Santana State Com 20CD 002H well, to be horizontally drilled from an approximate surface hole location 1270' FSL and 200' FWL of Section 21, T17S-R28E, to an approximate bottom hole location 1851' FSL and 100' FWL of Section 20, T17S-R28E. The proposed true vertical depth is approximately 4000' and the total measured depth is approximately 9415'. The first take point will be located approximately 1863' FSL and 100' FEL of Section 20-17S-28E and the last take point will be located approximately 1851' FSL and 100' FWL of Section 20-17S-28E.
- Santana State Com 20CD 003H well, to be horizontally drilled from an approximate surface hole location 1245' FSL and 200' FWL of Section 21, T17S-R28E, to an approximate bottom hole location 1401' FSL and 100' FWL of

Section 20, T17S-R28E. The proposed true vertical depth is approximately 3600' and the total measured depth is approximately 9015'. The first take point will be located approximately 1413' FSL and 100' FEL of Section 20-17S-28E and the last take point will be located approximately 1401' FSL and 100' FWL of Section 20-17S-28E.

- Santana State Com 20CD 004H well, to be horizontally drilled from an approximate surface hole location 1200' FSL and 200' FWL of Section 21, T17S-R28E, to an approximate bottom hole location 1005' FSL and 100' FWL of Section 20, T17S-R28E. The proposed true vertical depth is approximately 4000' and the total measured depth is approximately 9415'. The first take point will be located approximately 1017' FSL and 100' FEL of Section 20-17S-28E and the last take point will be located approximately 1005' FSL and 100' FWL of Section 20-17S-28E.
- Santana State Com 20CD 005H well, to be horizontally drilled from an approximate surface hole location 1195' FSL and 200' FWL of Section 21, T17S-R28E, to an approximate bottom hole location 610' FSL and 100' FWL of Section 20, T17S-R28E. The proposed true vertical depth is approximately 3,600' and the total measured depth is approximately 9,015'. The first take point will be located approximately 622' FSL and 100' FEL of Section 20-17S-28E and the last take point will be located approximately 610' FSL and 100' FWL of Section 20-17S-28E.
- Santana State Com 20CD 006H well, to be horizontally drilled from an approximate surface hole location 1170' FSL and 200' FWL of Section 21, T17S-

R28E, to an approximate bottom hole location 214' FSL and 100' FWL of Section 20, T17S-R28E. The proposed true vertical depth is approximately 4,000' and the total measured depth is approximately 9,415'. The first take point will be located approximately 226' FSL and 100' FEL of Section 20-17S-28E and the last take point will be located approximately 214' FSL and 100' FWL of Section 20-17S-28E.

Statewide rules apply to the completed intervals and first and last take points for all proposed wells. The completed intervals and first and last take points for the 001H, 002H, 003H, 004H, and 005H wells satisfy the statewide requirements. The first and last take points of the 006H well satisfy the statewide requirements. However, the completed interval of the 006H does not satisfy the requirement of 19.15.16.15(C)(1)(a) NMAC.

The completed interval for the 006H well is proposed to be as close as 214 – 226 feet to the southern edge of the horizontal spacing unit. On or about March 12, 2021, Longfellow filed an application for administrative approval of this non-standard location ("NSL"). Longfellow properly notified all NSL-affected persons pursuant to Division Rule 19.15.4.12(A)(2) NMAC.

No protests were filed and, on April 2, 2021, the Division approved the NSL location in Administrative Order NSL-8156. Longfellow will therefore request dismissal of the request for approval of the NSL requested in the instant application.

8. A general location map is included as Exhibit A-1.

9. A map illustrating the tracts in the proposed HSU and the ownership of each individual tract can be found in the exhibit package as Exhibit A-2.

A map illustrating the unit ownership can be found in the exhibit package as Exhibit
 A-3.

11. The ownership breakdown of interests and list of parties to be can be found at Exhibit A-4. There are no depth severances within the Yeso formation.

12. A chronology of contacts with the non-joined working interest owners is attached as Exhibit A-5.

13. The locations of the proposed wells within the respective HSUs are depicted in the draft C-102 forms attached as Exhibit A-6.

14. I have conducted a diligent search of the public records in Eddy County, NM, where the wells wills be located, and conducted phone directory and computer searches to obtain contact information for parties entitled to notification. I mailed all parties well proposals, included an Authorization for Expenditure ("AFE") for each well.

15. Exhibit A-7 includes sample copies of the well proposal letters and AFEs for the proposed wells. The estimated costs for the wells set for in the AFEs are fair, reasonable and comparable to the costs of other wells of similar depths and lengths drilled in this area of New Mexico.

16. Longfellow has made a good faith effort to obtain voluntary joinder of the working interest owners in the proposed wells.

17. Exhibit A-8 includes copies of the notice letters that were sent with the applications to all of the uncommitted interest owners in the proposed HSUs.

18. Longfellow requests the Division to approve operating charges and costs of supervision while drilling of \$8,000/month and after completion, \$800/month, together with a provision adjusting the rates pursuant to the COPAS accounting procedures.

19. Longfellow requests the maximum cost, plus 200% risk charge, be assessed against non-consenting working interest owners.

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20. Longfellow requests that it be designated operator of the wells.

21. The Exhibits to this Affidavit were prepared by me, or compiled from Longfellow's

business records.

22. The granting of these Applications is in the interest of conservation, the prevention of waste and the protection of correlative rights.

23. The foregoing is correct and complete to the best of my knowledge and belief.

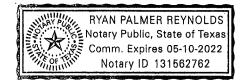
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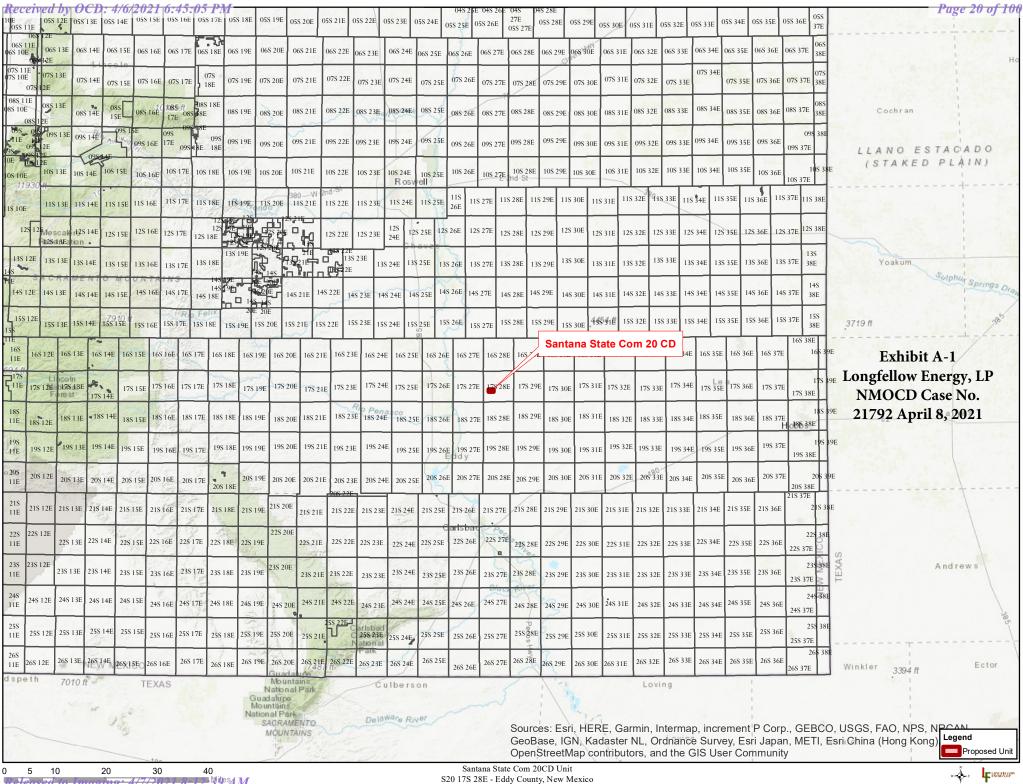
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STATE OF TEXAS COUNTY OF DALLAS

Subscribed to and sworn before me this  $\underbrace{\mathcal{C}}_{\text{Notary Public}}^{\text{Work of April, 2021.}}$ 

My commission expires <u>5-10-2022</u>





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SENE	SWNW	SENW	SWNE	SENE	SWNW
NESE	Tract 1 NWSW Carolynn Loveless Schlicher ConocoPhillips Company Eugene E. Nearburg Longfellow LH, LLC Lucinda Loveless, Individually, successors in trust as trustee of	NESW 2.08% 25.00% 8.34% 50.00% as Trustee, and her	Tract 2 NWSE ConocoPhillips Company OXY USA WTP, LP Occidental Permian Limite 28E	NESE 25.00% 46.80% ed Partnership 28.20% 100%	NWSW
SESE	Revocable Trust dated Decemb and restated SEP Permian LLC SWSW		Tract 3 Cerro de Pasco SWSE	100% SESE	SWSW
NENE	NWNW	Longfellow NMOCD Ca	oit A-2 <sup>NWNE</sup> Energy, LP use No. 21792 8, 2021	NENE Tracts	NWNW

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Santana State Com 20CD Unit S20 17S 28E - Eddy County, New Mexico

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SENE	SWNW	SENW	SWNE	SENE	SWNW
NESE	NWSW Longfellow LH, LLC SEP Permian, LLC Carolynn Loveless Schlicher Cerro de Pasco Corp. ConocoPhillips Company Occidental Permian Limited Pa	Unit Interest NESW 25.0000% 4.16666% 1.04166% 25.000% 18.7500% artnership 7.05000% 175	NWSE	NESE 25.00% 46.80% 28.20% 100%	NWSW
SESE	OXY USA WTP, LP Eugene E. Nearburg Lucinda Loveless, Individually, successors in trust as trustee of Revocable Trust dated Decemb and restated SWSW	4.16667% as Trustee, and her the Lucinda Loveless	SWSE	SESE	SWSW
NENE	NWNW	NENW Longfello NMOCD (	ibit A-3 w Energy, LP NWNE Case No. 21792 il 8, 2021	NENE Unit	NWNW

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Santana State Com 20CD Unit S20 17S 28E - Eddy County, New Mexico

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## CONTRACT AREA:

S/2 of Section 20-17S-28E, Eddy County New Mexico, 320 acres, more or less

## UNIT INTEREST OF THE PARTIES

Interest Owners	Ownership %
Longfellow LH, LLC	25.0000%
SEP Permian, LLC	4.16666%
Carolynn Loveless Schlicher	1.04166%
Cerro de Pasco Corp.	25.0000%
ConocoPhillips Company	18.7500%
Occidental Permian Limited Partnership	7.05000%
OXY USA WTP, LP	11.7000%
Eugene E. Nearburg	4.16667%
Lucinda Loveless, Individually, as Trustee, and her	
successors in trust as trustee of the Lucinda Loveless	
Revocable Trust dated December 21, 2006, as amended	
and restated	<u>3.87500%</u>
	100%

## TRACT INTEREST OF THE PARTIES

Tract 1 (SW/4 of Section 20-17S-28E, 160 acres, more or less)

Interest Owners	Ownership %
Carolynn Loveless Schlicher	2.08%
ConocoPhillips Company	25.00%
Eugene E. Nearburg	8.34%
Longfellow LH, LLC	50.00%
Lucinda Loveless, Individually, as Trustee, and her	
successors in trust as trustee of the Lucinda Loveless	
Revocable Trust dated December 21, 2006, as amended	
and restated	6.25%
SEP Permian LLC	<u>8.33%</u>
	100%

Tract 2 (N/2 SE/4 of Section 20-17S-28E, 80 acres, more or less)

Interest Owners	Ownership %
ConocoPhillips Company	25.00%
OXY USA WTP, LP	46.80%
Occidental Permian Limited Partnership	28.20%
-	100%

Exhibit A-4 Longfellow Energy, LP NMOCD Case No. 21792 April 8, 2021 Tract 3 (S/2 SE/4 of Section 20-17S-28E, 80 acres, more or less)

Interest Owners	Ownership %
Cerro de Pasco Corp.	100.00%
	100%

## OIL AND GAS LEASES SUBJECT TO THIS AGREEMENT

Lessor:	State of New Mexico
Lessee:	Van Thompson
Serial No.:	B-2178
Date:	October 10, 1933
Description:	The SW/4 of Section 20-17S-28E, Eddy County, New Mexico

Lessor:	State of New Mexico
Lessee:	F.M. Hartley
Serial No.:	B-3149
Date:	August 16, 1934
Description:	The N/2 of the SE/4 of Section 20-17S-28E, Eddy County, New Mexico
Lessor:	State of New Mexico
Lessor: Lessee:	State of New Mexico The Petroleum Producers Co.
Lessee:	The Petroleum Producers Co.

Owner	Contact Type	Notes
SEP Permian, LLC	Letter, Emails and Phone Calls	Not interested in assigning, most likely will sign JOA and participate
Christine S. Johnson, c/o Carolynn Loveless Schlicher	Letter, Emails and Phone Calls	Agreed to terms to acquire interest, assignment is forthcoming
James Coe Schlicher, c/o Carolynn Loveless Schlicher	Letter, Emails and Phone Calls	Agreed to terms to acquire interest, assignment is forthcoming
Marmon Holdings, Inc., c/o Cerro de Pasco Corp.	Letter, Emails and Phone Calls	Agreed to terms to acquire interest, assignment is forthcoming
ConocoPhillips Company	Letter, Emails and Phone Calls	Made multiple offers, currently comparing offer amounts, haven't received an answer yet
Occidental Permian Limited Partnership	Letter, Emails and Phone Calls	Made multiple offers, currently comparing offer amounts, haven't received an answer yet
OXY USA WTP, LP	Letter, Emails and Phone Calls	Made multiple offers, currently comparing offer amounts, haven't received an answer yet
Gretchen Beidler Nearburg, c/o Eugene E. Nearburg	Letter, Emails and Phone Calls	Made multiple offers, currently comparing offer amounts, haven't received an answer yet
Lucinda Loveless, Individually, as Trustee, and her		
successors in trust as trustee of the Lucinda Loveless		
Revocable Trust dated December 21, 2006, as amended and		
restated	Letter, Emails and Phone Calls	Agreed to terms to acquire interest, assignment is forthcoming

Exhibit A-5 Longfellow Energy, LP NMOCD Case No. 21792 April 8, 2021

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

AMENDED REPORT

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		W	<u>ELL L(</u>	JCATIO	N AND ACK	REAGE DEDIC	CATION PLA	T		
1	API Number	r		<sup>2</sup> Pool Code	e		<sup>3</sup> Pool Na	me		
<sup>4</sup> Property	Code				<sup>5</sup> Property	Name			6	Well Number
				SAI	NTANA STAT	E COM 20CD				001H
<sup>7</sup> OGRID	No.				<sup>8</sup> Operator	Name				<sup>9</sup> Elevation
37221	0			LO	NGFELLOW	ENERGY, LP				3610.0
					<sup>™</sup> Surfac	e Location				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/W	est line	County
Μ	21	17 S	28 E		1295	SOUTH	200	WE	ST	EDDY
			пI	Bottom H	Iole Location	If Different Fr	om Surface			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/W	est line	County
L	20	17 S	28 E		2301	SOUTH	100	WE	ST	EDDY
<sup>12</sup> Dedicated Acre	es <sup>13</sup> Joint	or Infill <sup>14</sup>	Consolidatio	n Code			<sup>15</sup> Order No.			

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

NW CORNER SEC. 20       N/4 CORNER SEC. 21       NE CORNER SEC. 21         IAT. = 32.8269449N       IAT. = 32.8269302N       IAT. = 32.8270311N       IAT. = 32.8270211N       IAT. = 32.8172120N       NMSP EAST (FT)       IAT. = 32.8194661N	<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.          Signature       Date         Printed Name       Issurvey CERTIFICATION         I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.         FEBRUARY 22, 2021       Date
LONG. = 104.2062852'W LONG. = 104.1977681'W LONG. = 104.1892526'W LONG. = 104.1802012'W NMSP EAST (FT) NMSP EAS	Signature and Scal of Protectional Surveyor: Certificate Number: OCRAINS LAP LOULD LS 12797
Exhibit A-6 Longfellow Energy, LP	

Exhibit A-6 Longfellow Energy, LP NMOCD Case No. 21792 April 8, 2021

Intent As Drilled	tent	A	s Drilled
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API #			
Operator Name:		Property Name:	Well Number
LONGFELLOW ENE	ERGY, LP	SANTANA STATE COM 20CD	001H

#### Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitu	de				Longitude				NAD

### First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
I	20	17S	28E		2313	SOUTH	100	EAST	EDDY
Latitu 32.8	<sup>de</sup> 318714	1			Longitude 104.1895	5598			NAD 83

## Last Take Point (LTP)

UL L	Section 20	Township 17S	Range 28E	Lot	Feet 2301	From N/S SOUTH	Feet 100	From E/W WEST	County EDDY
Latitu					Longitud				NAD
32.8	818731	4			104.2	059878			83

Is this well the defining well for the Horizontal Spacing Unit?

Is this well an infill well?

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

Operator Name:	Property Name:	Well Number

KZ 06/29/2018

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

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

AMENDED REPORT

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		W	ELL LO	DCATIO	N AND AC	REAGE DEDIC	CATION PLA	۸T		
1	API Number	r		<sup>2</sup> Pool Cod	e		<sup>3</sup> Pool Na	me		
4 D ( (					5.0	, NT			6	XX7 H X1 I
<sup>4</sup> Property (	Jode			C A I	<sup>5</sup> Proper	-			0	Well Number
<sup>7</sup> OGRID	No			SAI		TE COM 20CD				° Elevation
					<sup>8</sup> Operat					
37221	0			LO	NGFELLOV	V ENERGY, LP				3610.0
					10 Surfa	ce Location				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/W	est line	County
Μ	21	17 S	28 E		1270	SOUTH	200	WE	ST	EDDY
			n F	Bottom H	Iole Locatio	n If Different Fr	om Surface			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/W	est line	County
L	20	17 S	28 E		1851	SOUTH	100	WE	ST	EDDY
<sup>12</sup> Dedicated Acre	s <sup>13</sup> Joint	or Infill <sup>14</sup> C	Consolidatio	n Code	•	•	<sup>15</sup> Order No.	•		

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

	<sup>17</sup> OPERATOR CERTIFICATION
	I hereby certify that the information contained herein is true and complete
	to the best of my knowledge and belief, and that this organization either
	owns a working interest or unleased mineral interest in the land including
NW CORNER SEC. 20 N/4 CORNER SEC. 20 SECTION CORNER N/4 CORNER SEC. 21 NE CORNER SEC. 21 LAT. = 32.8269449'N LAT. = 32.8269302'N LAT. = 32.8269180'N LAT. = 32.8270231'N LAT. = 32.8271200'N	the proposed bottom hole location or has a right to drill this well at this
LONG. = 104.2063469'W LONG. = 104.1977818'W LONG. = 104.1892195'W LONG. = 104.1806697'W LONG. = 104.1721225'W	location pursuant to a contract with an owner of such a mineral or working
NMSP EASI (F1) NMSP EASI (F1) NMSP EASI (F1) (MSP EASI (F1) (F1) (F1) (F1) (F1) (F1) (F1) (F1)	interest, or to a voluntary pooling agreement or a compulsory pooling order
E = 360344.41 $E = 362343.37$ $E = 363003.32$ $E = 36326.072$	heretofore entered by the division.
369 37 H8 E 2000.90 FT - 369 30 FF E 2030.19 FT - 105 00 50 E 2020.00 FT	
	Signature Date
645.64 FT 500.00'10"W 2647.24 FT 2610.39 FT	Signature Date
2645. 2641. 2641.	
K w/4 CORNER SEC. 20     OUARTER CORNER     E/4 (CORNER SEC. 21)     E/4 (CORNER SEC. 21)     CORNER SEC. 21)     CORNER SEC. 21)	Printed Name
W/4         CURNER         LAT.         =         32.8196730'N         LAT.         =         32.8196417'N         LONG.         =         104.1722373'W           ½         LONG.         =         104.2083174'W         LONG.         =         104.1722373'W         LONG.         =         104.1892316'W         LONG.         =         104.1722373'W         LONG.         =         104.1892316'W         LONG.         =         104.	
NMSP EAST (FT) NMSP EAST (FT) NMSP EAST (FT)	E-mail Address
E = 580356.63 $SEC = 20$ $E = 585605.39$ $SEC = 21$ $E = 590825.85$	
	<b>ISURVEYOR CERTIFICATION</b>
[Lat = 32.8174772'N = FTP - 220 = 54NTANA STATE = 200	
	I hereby certify that the well location shown on this plat
$ V ^{*}$ $E EV  = 3610.0''$	was plotted from field notes of actual surveys made by
The second se	me or under my supervision, and that the same is true
Image: Second	and correct to the best of my belief.
NMSP EAST (FT)         I         LOCATION N = 660574.47         8           N = 661160.76         0         E = 585803.93         8	FEBRUARY 22, 2021
E = 580460.55 N89'52'38"W 2616.69 FT N89'51'16"W 2616.20 FT 688'14'28"W 2597.58 FT S88'13'39"W 2597.34 FT	
SW CORNER SEC 20 S/4 CORNER SEC 20 SECTION CORNER S/4 CORNER SEC. 21 SE CORNER SEC. 21	Date of Survey
LAT. = 32.8124076'N LAT. = 32.8123832'N LAT. = 32.8123554'N LAI. = 32.8125046 N LONG. = 104.1723506'W	
NMSP EAST (FT) NMSP E	AND CHRISTAN A
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
	Signature and Seal of Professional Surveyor:
	Certificate Number: ECTATION 5 LAR 4-MULLO, JLS 12797
	POFESRVE NO. 8615

As Drilled

Intent	Intont
--------	--------

Property Name:	Well Number
SANTANA STATE COM 20CD	002H

#### Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitu	de				Longitude				NAD

### First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
I	20	17S	28E		1863	SOUTH	100	EAST	EDDY
	Latitude 32.8174772				Longitude <b>104.1895</b>	5634			NAD 83

## Last Take Point (LTP)

UL L	Section 20	Township 17S	Range 28E	Lot	Feet 1851	From N/S SOUTH	Feet 100	From E/W WEST	County EDDY
Latitude 32.8174945					Longitud	<sup>le</sup> 059823		NAD 83	
32.8174945				104.2	059625		03		

Is this well the defining well for the Horizontal Spacing Unit?

Is this well an infill well?

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number
	•	

KZ 06/29/2018

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

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

AMENDED REPORT

		W	ELL LO	DCATIO	N AND AC	REAGE DEDIC	CATION PLA	ΔT			
1	API Number	•		<sup>2</sup> Pool Cod	le		<sup>3</sup> Pool Na	me			
4.5									6		
<sup>4</sup> Property C	Code				<sup>5</sup> Propert				0	Well Number	
				SA	NTANA STA'	TE COM 20CD				003H	
<sup>7</sup> OGRID N	No.				<sup>8</sup> Operato	r Name				<sup>9</sup> Elevation	
37221	0			LO	NGFELLOW	ENERGY, LP				3610.0	
	<sup>10</sup> Surface Location										
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/W	est line	County	
Μ	21	17 S	28 E		1245	SOUTH	200	WE	ST	EDDY	
			пE	Bottom H	Hole Locatio	n If Different Fr	om Surface				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/W	est line	County	
L	20	17 S	28 E		1401	SOUTH	100	WE	ST	EDDY	
<sup>12</sup> Dedicated Acre	s <sup>13</sup> Joint	or Infill <sup>14</sup>	Consolidation	n Code	<sup>15</sup> Order No.						

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

NW CORNER SEC. 20     N/4 CORNER SEC. 20     SECTION CORNER     N/4 CORNER SEC. 21     NE CORNER SEC. 21       LAT. = 32.8269449 N     LAT. = 32.8269302 N     LAT. = 32.8270231 N     LAT. = 32.8270231 N     LAT. = 32.8270231 N       LONG. = 104.96369 W     LONG. = 104.1892195 W     LONG. = 104.1802697 W     LONG. = 104.1822195 W     LONG. = 104.1802697 W     LONG. = 104.1822195 W       NMSP EAST (FT)       N = 664596.82     N = 664596.76     N = 664595.79     N = 664637.73     N = 664637.3     N = 66457.15       E = 550344.41     E = 552975.37     E = 55805.52     E = 558231.72     E = 590857.15       S89'57'18"E 2630.96     FT     S89'58'44"E 2630.15     FT     N89'05'06"E 2626.54     FT     N89'08'46"E 2625.71	<sup>17</sup> <b>OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.
$\begin{array}{c} \text{SBy 57 18 E 2530.36 FT} \\ SBy 57 18 E 2530.36 F$	Signature       Date         Printed Name

Intent	As Drilled

API #		
Operator Name:	Property Name:	Well Number
LONGFELLOW ENERGY, LP	SANTANA STATE COM 20CD	003H

#### Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitu	de				Longitude				NAD

### First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
I	20	17S	28E		1413	SOUTH	100	EAST	EDDY
Latitu 32.8	<sup>de</sup> 16240	3			Longitude 104.1895	5669			NAD 83

## Last Take Point (LTP)

Latitude         Longitude         NAD           32.8162576         104.2059768         83	ul L	Section 20	Township 17S	Range 28E	Lot	Feet 1401	From N/S SOUTH	Feet 100	From E/W WEST	County EDDY
	Latitude 32.8162576				0			NAD 83		

Is this well the defining well for the Horizontal Spacing Unit?

Is this well an infill well?

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

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

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

AMENDED REPORT

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	WELL LOCATION AND ACREAGE DEDICATION PLAT									
<sup>1</sup> API Number <sup>2</sup> Pool					le		<sup>3</sup> Pool Na	me		
4p ( 6										XX7 H X7 H
<sup>4</sup> Property C	ode			54	-	ty Name TE COM 20CD				Well Number
<sup>7</sup> OGRID N	T-			SA						° Elevation
					-	or Name				
372210	)			LC	ONGFELLOV	V ENERGY, LP				3610.0
Surface Location										
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/W	est line	County
Μ	21	17 S	28 E		1220	SOUTH	200	WE	CST	EDDY
		"Bottom Hole Location If Different From Surface								
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/W	est line	County
Μ	20	17 S	28 E		1005	SOUTH	100	WE	CST	EDDY
<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint	or Infill <sup>14</sup>	Consolidation	n Code		•	<sup>15</sup> Order No.	•		

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

	<sup>17</sup> OPERATOR CERTIFICATION
	I hereby certify that the information contained herein is true and complete
	to the best of my knowledge and belief, and that this organization either
	owns a working interest or unleased mineral interest in the land including
NW CORNER SEC. 20 N/4 CORNER SEC. 20 SECTION CORNER N/4 CORNER SEC. 21 NE CORNER SEC. 21 IAT - 32 8269440(N) IAT - 32 826930(N) IAT - 32 8269190(N) IAT - 32.8270231(N) IAT - 32.8271200(N)	the proposed bottom hole location or has a right to drill this well at this
LONG. = 104.2063469'W LONG. = 104.1977818'W LONG. = 104.1802195'W LONG. = 104.1806697'W LONG. = 104.1721225'W	location pursuant to a contract with an owner of such a mineral or working
NMSP EASI (FI) NMSP EASI (FI) NMSP EASI (FI) NMSP EASI (FI) NMSB EASI (FI) N = 664597.73 N = 664598.82 N = 664596.79 N = 664595.79 N = 664597.73 C	interest, or to a voluntary pooling agreement or a compulsory pooling order
E = 580344.41 $E = 5829/5.57$ $E = 585605.52$ $E = 56526177$ $E = 5672717$	heretofore entered by the division.
	Signature Date
2645.64 FT 50000010"W 2647.24 FT 2610.39 FT	Signature Date
26.41	
≥         W/4 CORNER SEC. 20         QUARTER CORNER         E/4 [CORNER SEC. 21]           CULARTER CORNER         LAT. = 32.8199456 N         H	Printed Name
Lo[LAT. = 32.8196730'N LAT. = 32.8196730'N LONG.  = 104.1722373'W ↓ DUDIC = 104.096315'W LONG.  = 104.1722373'W ↓	
8 NMSP EAST (FT) NMSP EAST (FT) NMSP EAST (FT) N = 662066.66 (0) N	E-mail Address
$E = 580356.63 \\ E = 580356.63 \\ E = 580356.63 \\ E = 58055.89 \\ E = 58055.39 \\ E$	
<i>FIRST TAKE POINT</i> ≱⊑ 1017' FSL, 100' FEL 的 <sub>w</sub>	<b><sup>18</sup>SURVEYOR CERTIFICATION</b>
$ LAT. = 32.8151519$ $C^{\circ}_{O}$ SANTANA STATE	<i>I hereby certify that the well location shown on this plat</i>
E         LTP & LONG. = 104.1895700'W         Signature         COM 20CD 004H         Signature         Signatur	5 55 1
$\rightarrow$	was plotted from field notes of actual surveys made by
LONG. = 104.1885918'W	me or under my supervision, and that the same is true
Star         Construction	and correct to the best of my belief.
8 - F = 58046473	FEBRUARY 22, 2021
N89'52'38"W 2616.69 FT N89'51'16"W 2616.20 FT \$88'14'28"W 2597.58 FT \$88'13'39'W 2597.34 FT	Date of Survey
SW CORNER SEC. 20 S/4 CORNER SEC. 20 SECTION CORNER S/4 CORNER SEC. 21 LAT. = 32.8125646 N LAT. = 32.8125646 N LAT. = 32.8125646 N LAT. = 33.8125646 N LAT. = 33.812666 N LAT. = 33.8126666 N LAT. = 33.812666666666666666666666666666666666666	Date of Survey
LONG. = 104.2062852*W LONG. = 104.1977681*W LONG. = 104.1892526*W LONG. = 104.1808012*W LONG. = 104.1907681*W LONG. = 104.1892526*W LONG. = 104.1808012*W LONG. = 104.1892526*W LONG. = 104.18925*W LONG. = 104.1892*W LONG. = 104.1	
N = $659309.35$ N = $659304.34$ N = $659297.68$ N = $659377.42$ N = $6593795.03$	NEW LIZE OF AN AND
E = 580369.70 E = 582986.39 E = 585602.54 E = 588198.94	
	Ságnature ánd Seal of Protessional Surveyor:
	Certificate Number: (PCTATON S LAR AMILLO, LS 12797
	PROFESSIVE NO. 8617
	<u></u>

Intent As Drilled	tent	A	s Drilled
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API #			
Operator Name:		Property Name:	Well Number
LONGFELLOW ENE	RGY, LP	SANTANA STATE COM 20CD	004H

#### Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitu	de				Longitude				NAD

### First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
P	20	17S	28E		1017	SOUTH	100	EAST	EDDY
Latitu 32.8	<sup>de</sup> 15151	9			Longitude 104.1895	5700			NAD 83

## Last Take Point (LTP)

ul M	Section 20	Township 17S	Range 28E	Lot	Feet 1005	From N/S SOUTH	Feet 100	From E/W WEST	County EDDY
Latitude					U	Longitude			NAD
32.8151691					104.2	059720		83	

Is this well the defining well for the Horizontal Spacing Unit?

Is this well an infill well?

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

Operator Name: Property Name: Well Number	API #		
	Operator Name:	Property Name:	Well Number

KZ 06/29/2018

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

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

AMENDED REPORT

	WELL LOCATION AND ACREAGE DEDICATION PLAT									
<sup>1</sup> API Number <sup>2</sup> Pool					le		<sup>3</sup> Pool Na	me		
<sup>4</sup> Property (	Code				<sup>5</sup> Property	Name			6	Well Number
			SANTANA STATE COM 20CD 005H							005H
<sup>7</sup> OGRID	No.				<sup>8</sup> Operator	Name				<sup>9</sup> Elevation
37221	0			LO	LONGFELLOW ENERGY, LP 3610.0					3610.0
Surface Location										
UL or lot no.	Section	Township	Range	Lot Idn	Idn Feet from the North/South line Feet from the East/West line Coun					County
Μ	21	17 S	28 E		1195	SOUTH	200	WE	ST	EDDY
			пF	Bottom H	Iole Location	If Different Fr	om Surface			-
UL or lot no.	Section	Township	Range	Lot Idn	ot Idn Feet from the North/South line Feet from the East/West line Co					County
Μ	20	17 S	28 E		610 SOUTH 100 WEST EDDY					EDDY
<sup>12</sup> Dedicated Acre	s <sup>13</sup> Joint	or Infill <sup>14</sup>	Consolidatio	n Code	•		<sup>15</sup> Order No.	•		

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

	<sup>17</sup> OPERATOR CERTIFICATION
	I hereby certify that the information contained herein is true and complete
	to the best of my knowledge and belief, and that this organization either
	owns a working interest or unleased mineral interest in the land including
NW CORNER SEC. 20 N/4 CORNER SEC. 20 SECTION CORNER N/4 CORNER SEC. 21 NE CORNER SEC. 21 LAT = 32 8260400N LAT = 32 8260300N LAT = 32 82601800N LAT = 32.8270231N LAT = 32.8271200N	the proposed bottom hole location or has a right to drill this well at this
LAI. = 32.82694494 N LAI. = 32.82699180 N LAI. = 32.8269180 N LONG. = 104.1806697W LONG. = 104.17212257W LONG. = 104.17212257W	location pursuant to a contract with an owner of such a mineral or working
NMSP EAST (FT) N = 664596.82 N = 664596.76 N = 664595.79 N = 664637.73 N = 664576.86	interest, or to a voluntary pooling agreement or a compulsory pooling order
N = 00435.02 N = 00435.75 N = 00435.79 E = 588231.72 E = 590857.15 E = 5805474.41 E = 582975.37 E = 586505.52 E = 588231.72 E = 590857.15 SR0:5718"F 2630.96 FT SR0:58'44"F 2630.15 FT NR0:05'06"F 2626.54 FT N89'08'46"E 2625.71 FT	heretofore entered by the division.
00°10"W 7.24 FT 0.39 FT	Signature Date
645.64 50000011 2647.24 2610.39	Signature Date
2645 264	
≥         W/4 CORNER SEC. 20         E/4 (CORNER SEC. 21)           0UARTER CORNER         LAT. = 32.8199456 N	Printed Name
GLIAL = 32.8196730N LAIL = 32.8196730N LONG = 104.1722373W ↔	
NMSP EAST (FT) NMSP EAST (FT) NMSP EAST (FT) N = 652066.66 (0)	E-mail Address
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
FIRST TAKE POINT ≥	<sup>18</sup> SURVEYOR CERTIFICATION
622'         FSL, 100'         FEL         %           LAT.         = 32.8140662'N         COM         SANTANA STATE         %           LONG.         = 104.1895731'W         COM         20CD         005H         %	<i>I hereby certify that the well location shown on this plat</i>
	5 55 1
► LIP & BOTTOM OF HOLE BOTTOM & LAST TAKE POINT ALAST TAKE POINT LAT. = 32.8140834 N SURFACE 104.1885921 W	was plotted from field notes of actual surveys made by
BOTTOM & CASJ 1AAC POINT 200 - LONG. = 104.1885921'W OF HOLE LONG. = 104.2059671'W   FTP - SURFACE NMSP EAST (FT) - SURFA	me or under my supervision, and that the same is true
	and correct to the best of my belief.
E = 580466.69	FEBRUARY 22, 2021
N89'52'38"W 2616.69 FT N89'51'16"W 2616.20 FT 588'14'28"W 2597.58 FT S88'13'39"W 2597.34 FT	Date of Survey
SW CORNER SEC. 20 S/4 CORNER SEC. 20 SECTION CORNER S/4 CURINER SEC. 21 LAT. = 32.81277481N LAT. = 32.81247056N LAT. = 32.81256461N LAT. = 32.812564	Dane of Ball toy
LONG. = 104.1808012 W LONG. = 104.1977681'W LONG. = 104.1892526'W LONG. = 104.1808012 W NMSP EAST (FT)	Sensi ABOX ATH
N = 659309.95 N = 659304.34 N = 659297.68 r = 659377.42 N = 599457.73	North 1 Frank North
E = 580369.70 $E = 582986.39$ $E = 585602.54$ $E = 500190.34$	
	Signature and Seal of Protessional Surveyor:
	Certificate Number: DAMONS LARAMILLO, LS 12797
	2705558 VAL NO. 8618

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Intent As Drilled	tent	A	s Drilled
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API #			
Operator Name:		Property Name:	Well Number
LONGFELLOW ENE	ERGY, LP	SANTANA STATE COM 20CD	005H

#### Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude				Longitude			NAD		

### First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
P	20	17S	28E		622	SOUTH	100	EAST	EDDY
Latitude				Longitude	95731	NAD			
32.8140662				1104.189		83			

## Last Take Point (LTP)

ul M	Section 20	Township 17S	Range 28E	Lot	Feet 610	From N/S SOUTH	Feet 100	From E/W WEST	County EDDY
Latitude 32.8140834					Longitud			NAD 83	
52.0140034				104.2	104.2059671			03	

Is this well the defining well for the Horizontal Spacing Unit?

Is this well an infill well?

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #			
Operator Name:	I	Property Name:	Well Number

KZ 06/29/2018

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

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

AMENDED REPORT

	WELL LOCATION AND ACREAGE DEDICATION PLAT									
<sup>1</sup> API Number <sup>2</sup> Pool C					le	<sup>3</sup> Pool Name				
<sup>4</sup> Property (	<sup>T</sup> ada				5 Duonou	ty Nama			6	Well Number
roperty	Joue	<sup>5</sup> Property Name <sup>6</sup> V SANTANA STATE COM 20CD							006H	
<sup>7</sup> OGRID	No.		<sup>8</sup> Operator Name <sup>9</sup> Elevation							<sup>9</sup> Elevation
37221	0	LONGFELLOW ENERGY, LP 3610.0							3610.0	
	<sup>10</sup> Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/W	est line	County
Μ	21	17 S	28 E		1170	SOUTH	200	WE	ST	EDDY
			11 H	Bottom H	Iole Locatio	n If Different Fr	om Surface			-
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/W	est line	County
Μ	20	17 S	28 E		214 SOUTH 100 WEST EDI				EDDY	
<sup>12</sup> Dedicated Acre	s <sup>13</sup> Joint	or Infill <sup>14</sup>	Consolidatio	n Code	<sup>15</sup> Order No.					

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

	<sup>17</sup> OPERATOR CERTIFICATION
	I hereby certify that the information contained herein is true and complete
	to the best of my knowledge and belief, and that this organization either
	owns a working interest or unleased mineral interest in the land including
NW CORNER SEC 20 N/4 CORNER SEC 20 SECTION CORNER N/4 CORNER SEC. 21 NE CORNER SEC. 21	0
NW CORNER SEC. 20 N/4 CORNER SEC. 20 SECTION CORNER 1 45 32.8270231 N LAT. = 32.8271200'N LAT. = 32.8269449'N LAT. = 32.8269449'N LAT. = 32.8269360'N LAT. = 32.8269180'N LAT. = 32.8271200'N	the proposed bottom hole location or has a right to drill this well at this
LUNG, = 104,2003403 W LUNG, = 104,137/810 W LUNG, = 104,139/193 W LUNG FAST (FT) NMSP EAST (FT) NMSP EAST (FT) NMSP EAST (FT)	location pursuant to a contract with an owner of such a mineral or working
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	interest, or to a voluntary pooling agreement or a compulsory pooling order
S89'57'18"E 2630.96 FT S89'58'44"E 2630.15 FT N89'05'06"E 2626.54 FT N89'08'46"E 2625.71 FT	heretofore entered by the division.
	Signature Date
9645.64 FT 50000010"W 2647.24 FT 2610.39 FT	, , , , , , , , , , , , , , , , , , ,
W/4 CORNER SEC, 20     OUARTER CORNER     LAT. = 32.8199456 N → 2	Printed Name
DLAI. = 32.8196/30N LAI. = 32.81961/1 N LONG. = 104.1722373'W	
21 LUNG.         = 104.20537/4 W         LUNG.         = 104.1932316 W         NMSP EAST (FT)         NMSP EAST (FT)         NMSP EAST (FT)         N         = 662066.66 JW         N         = 661948.54         F         = 500878.85         S         F         = 500878.85         S<	E-mail Address
E = 580356.63 $SEC 20$ $E = 585605.39$ $SEC 21$ $E = 590825.85$	
E 226'FSL, 100'FEL E	<sup>18</sup> SURVEYOR CERTIFICATION
226' FSL, 100' FEL LAT. = 32.8129777N LONG. = 104.1895762W SEC COM 20CD 006H	
226'         FSL         100'         FEL         100'         SANTANA STATE         90'         SANTANA STATE         90'         50'         SANTANA STATE         90'	I hereby certify that the well location shown on this plat
$ = \_$	was plotted from field notes of actual surveys made by
$N_{\rm H}$ 170 No. 147 70 01000 4000 $N_{\rm H}$ 100 $N_{\rm H}$ 100 $N_{\rm H}$ 100 $N_{\rm H}$ 100 $N_{\rm H}$	me or under my supervision, and that the same is true
Image: Constraint of the second sec	and correct to the best of my belief.
N = 035323.74	FEBRUARY 22, 2021
► = 580468.65 N89'52'38"W 2616.69 FT N89'51'16"W 2616.20 FT 588'14'28"W 2597.58 FT S88'13'39"W 2597.34 FT	
W CORNER SEC. 20 S/4 CORNER SEC. 20 SECTION CORNER S/4 CORNER SEC. 21 SE CORNER SEC. 21 LAT = 32.8127748N	Date of Survey
LAT. = 32.8124076'N LAT. = 32.8123832'N LAT. = 32.8123854'N LAT. = 32.8123054'N LONG. = 104.1723506'N LONG. = 104.1723506'W	
NMSP EAST (FT) NMSP E	ANNO CONTRACTOR
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	
	Signature and Seal of Professional Surveyor:
	Certificate Number: Driving LAP ANILLO LS 12797
	POFSSEVE TWO 8619
	-/ LUR VI / NO. 8019

Intent As Drilled	tent	A	s Drilled
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API #		
Operator Name:	Property Name:	Well Number
LONGFELLOW ENE	SANTANA STATE COM 20CD	006H
		00011

### Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitu	de				Longitude				NAD

### First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
P	20	17S	28E		226	SOUTH	100	EAST	EDDY
Latitu 32.8	<sup>de</sup> 12977	7			Longitude 104.1895	5762			NAD 83

### Last Take Point (LTP)

ULSectionTownshipRangeM2017S28E	Lot	Feet 214	From N/S SOUTH	Feet 100	From E/W WEST	County EDDY
Latitude 32.8129949		Longitud	<sup>de</sup> 059623			NAD 83

Is this well the defining well for the Horizontal Spacing Unit?

Is this well an infill well?

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018



January 15, 2021

Occidental Permian Limited Partnership 5 Greenway Plaza, Suite 110 Houston, TX 77046 Exhibit A-7 Longfellow Energy, LP NMOCD Case No. 21792 April 8, 2021

Re: Well Proposals – Santana State Com 20CD 001H, 002H, 003H, 004H, 005H, 006H S/2 of Section 20-17S-28E, Eddy County, New Mexico

To whom it may concern:

Longfellow Energy, LP ("Longfellow") hereby proposes to drill and complete the following wells "back to back":

- Santana State Com 20CD 001H, with an approximate true vertical depth of 3,600', as a horizontal well in the Yeso formation (with an approximate measured depth of 9,015') and an estimated cost of \$3,355,109 for a completed producing well, as set forth in detail on the enclosed AFE Well Cost Estimate dated 1/15/2021
- Santana State Com 20CD 002H, with an approximate true vertical depth of 4,000', as a horizontal well in the Yeso formation (with an approximate measured depth of 9,415') and an estimated cost of \$3,355,109 for a completed producing well, as set forth in detail on the enclosed AFE Well Cost Estimate dated 1/15/2021
- Santana State Com 20CD 003H, with an approximate true vertical depth of 3,600', as a horizontal well in the Yeso formation (with an approximate measured depth of 9,015') and an estimated cost of \$3,355,109 for a completed producing well, as set forth in detail on the enclosed AFE Well Cost Estimate dated 1/15/2021
- Santana State Com 20CD 004H, with an approximate true vertical depth of 4,000', as a horizontal well in the Yeso formation (with an approximate measured depth of 9,415') and an estimated cost of \$3,355,109 for a completed producing well, as set forth in detail on the enclosed AFE Well Cost Estimate dated 1/15/2021
- Santana State Com 20CD 005H, with an approximate true vertical depth of 3,600', as a horizontal well in the Yeso formation (with an approximate measured depth of 9,015') and an estimated cost of \$3,355,109 for a completed producing well, as set forth in detail on the enclosed AFE Well Cost Estimate dated 1/15/2021
- Santana State Com 20CD 006H, with an approximate true vertical depth of 4,000', as a horizontal well in the Yeso formation (with an approximate measured depth of 9,415') and an estimated cost of \$3,355,109 for a completed producing well, as set forth in detail on the enclosed AFE Well Cost Estimate dated 1/15/2021

To facilitate these wells and for efficient development, Longfellow proposes to form a Working Interest Unit (the "WIU") covering the S/2 of Section 20-17S-28E, containing approximately 320 acres. For development of horizontal Yeso wells within the WIU, Longfellow proposes a new horizontal joint operating agreement dated January 15, 2021, a modified 2015 Horizontal AAPL Form 610 Operating Agreement, (hereinafter referred to as the "HJOA") to govern horizontal Yeso development within the WIU, to supersede existing JOAs (if any), containing the following provisions:

- Contract Area being the S/2 of Section 20-17S-28E, limited to the Yeso formation
- Applies to horizontal well development only
- 100%/300%/300% non-consent penalties
- \$8,000/\$800 drilling and producing monthly overhead rates

According to our title examination, Occidental Permian Limited Partnership owns a working interest as to the proposed WIU. We respectfully request that you select one of the following three options with regard to your interest in the proposed well:

Option 1 - Participate with your working interest in the proposed wells, pursuant to the terms of the HJOA

January 15, 2021 Santana State Com 20CD 001H, 002H, 003H, 004H, 005H, 006H Well Proposals

Option 2 – Elect to not participate in the proposed wells, pursuant to the terms of the HJOA (an election of "Non-Consent")

Option 3 - Assign all of your leasehold rights, and the existing wells (if any) associated with those rights, in the WIU area to Longfellow for \$1,500/net acre (delivering your existing Net Revenue Interest)

Please indicate your election as to the aforesaid three options in the space provided below, and execute and return a copy of this letter to the undersigned within 30 days of receipt of this proposal. Your election of Option 1 and 2, should be returned to Longfellow by U.S. mail to the letterhead address below or email to Ryan.Culpepper@longfellowenergy.com. Upon receipt of your election, I will send the HJOA for your review and execution. Your election of Option 3, along with your completed Form W-9, should be returned to Longfellow by U.S. mail to the letterhead address below or email to Ryan.Culpepper@longfellowenergy.com. Upon receipt of this election, I will send an Assignment for your review and execution. If you prefer to review the HJOA prior to making an election, please request a copy by email and I will furnish for your review.

Longfellow looks forward to working with you on this proposal and I encourage you to contact me with any questions pertaining to the proposed wells. Please be advised, to facilitate timely development, Longfellow may file with the New Mexico Oil Conservation Division for compulsory pooling of any uncommitted working interest owners. Should you have any questions concerning this matter, please contact the undersigned by phone at 972-590-9933 or by e-mail to Ryan.Culpepper@longfellowenergy.com.

Sincerely,

LONGFELLOW ENERGY, LP

Ryan Culpepper Land Manager

\_\_\_\_\_ Option 1. The undersigned elects to participate in the drilling and completion of the proposed wells. Enclosed please find the executed AFEs please forward me the HJOA for my execution.

\_\_\_\_\_ Option 2. The undersigned elects to not participate in the drilling and completion of the proposed wells, pursuant to the non-consent provisions of the HJOA. Please forward me the HJOA for my execution.

Option 3. The undersigned elects to assign all of its leasehold rights, and the wells associated with those rights (if any), in the S/2 of Section 20-17S-28E to Longfellow for \$1,500/ net acre, delivering our existing Net Revenue Interest.

AGREED to and ACCEPTED this \_\_\_\_\_ day of \_\_\_\_\_, 2020.

Occidental Permian Limited Partnership

By:	
Print Name:	
Title:	



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OPERATOR: LEASE:	Longfellow Energy, LP Santana State Com 20CD	WELL NO.	001H	FIELD:	Loco Hills	AFE #: 800	DATE:	1/15/2021
LEASE: LOCATION:	Santana State Com 20CDSHL1,270'FSL200'FWLof	Section	21	17S-28E	PROPOSED TD:	9,015'	ft (MD)	1/13/2021
200.1110.11	BHL 2,303' FSL 20' FWL of	Section	20	17S-28E	VERTICAL	>,015	RE-ENTRY	
<b>OBJECTIVE:</b>	Yeso Formation Estimated	@	3,600'	ft TVD	HORIZONTAL	Х	WORKOVE	R
<b>REMARKS:</b>	Loco Hills Project - Eddy County, NM					REVIEWED	BY:	DM
	NITH NORMED DITLENC COSTS		DBH LDVC	1	COMPLETION	_	CUDDI D	
	INTANGIBLE DRILLING COSTS		DRILLING		COMPLETION		SUPPLE	MENTAL
1-00	** IDC - DRILLING **		000 500					
1-02 1-03	Rig Diesel Rig Rentals		\$27,200 \$22,500			_		
1-03	Location / Construction		\$22,500					
1-05	Drilling Insurance		\$5,000					
1-06	Permits		\$12,000					
1-07	Title Opinion / Regulatory Fees		\$15,000					
1-08	Survey		\$7,500					
1-10	Right-of-Way		\$10,000			_		
1-12 1-14	Pit Lining / Fences Trucking		\$0 \$17,730			_		
1-14	Air / Gas Services		\$0					
1-18	Supervision		\$36,000					
1-19	Drilling Overhead		\$25,000	1				
1-20	Rig Mobilization / Demobilization		\$17,708			_		
1-22	Bits / Underreamers, Etc.		\$35,000			_	L	
1-23	Directional Tools & Supervision		\$93,000					
1-24 1-25	Hammer Rental / Supervision Cement Plug / Squeeze		\$0 \$0			-		
1-26	Drilling Mud & Transportation		\$25,000					
1-27	Mud Diesel		\$0					
1-28	Mud Logging & Geo-steering		\$15,000					
1-29	Mud Remediation		\$45,000					
1-30	Drill String & BHA Rental		\$7,500			_		
1-31 1-32	Coring Drill Stem Tests		\$0 \$0					
1.52	Contract Daywork Drilling		\$0					
1-34	13.0 days @ \$13,333 / day		\$176,580					
1-36	Casing Crews, PU & LD		\$15,000					
1-38	Fishing Tool Rentals		\$0					
1-40 1-42	Rathole / Mousehole / Conductor Water - Fresh / Brine		\$18,500 \$50,000					
1-42	Water - Mud Disposal		\$5,000			_		
1-44	Well Control Equipment		\$0					
1-46	Trash Trailer		\$2,000					
1-48	Surface Pipe Cementing		\$15,000					
1-50	Intermediate Pipe Cementing		\$0					
1-51 1-52	Contractor Ser. (Roustabout, Testor, etc.) Production Casing Cementing		\$24,063 \$35,000					
1-52	Open-Hole Logging OH Logs & Core processing		\$35,000			_		
1-58	Drilling Contingencies		\$97,560					
1-60	Surface Damages		\$3,750	1				
1-62	Rotating Head & Expendables		\$2,500			4		
1-64	Miscellaneous Drilling		\$10,000			_	L	
1-66 1-68	Welding During Drilling Miscellaneous Equipment Rentals		\$3,500 \$37,500			-		
1-08	Centralizers & Float Equipment		\$26,000					
	OTAL INTANGIBLE DRILLING COSTS:		\$959,341	1 	\$0	7	<u> </u>	
	And Antoiblas balland COSTS.		\$757,341	1			L	
	TANGIBLE DRILLING COSTS:		DRILLING		COMPLETION		SUPPLE	MENTAL
2-00	** IDC - DRILLING **			Ī		7		
TUBULAR GO	OODS (Surf., Inter., Prod., Tbg)			Ī		7		
	Size Grade Weight Thread Length							
2-02	9-5/8" J-55 36.00 LT&C 1250		\$22,295			_		
2-04			\$99,760			_	L	
2-06	7" L-80 32.00 BT&C 4100 5-1/2" L-80 20.00 BT&C 6100		\$80,000 \$0			-		
DRILLING - S	5-1/2 L-80 20.00 B1&C 0100 URFACE EQUIPMENT		\$0			-		
2-10	Casinghead(s)		\$10,000	1		7		
2-12	Liner Hanger & Packer		\$0	1				
2-14	Open Hole Packers and Sleeves		\$0			4		
2-16	Miscellaneous		\$0			_	L	
2-18	Flowline & Valves		\$0	1		4	L	
			6919.055					

\$0 **\$212,055** 

1

**\$0** 

TOTAL TANGIBLE DRILLING COSTS:



LIACATION:     NUL:     LiZO PSL     200     PWL of NUL:     Section     21     153 248     PROFOND The 300     PADDS 10.00       HURLING:     Non-Info Transit Lizo Control     Produced     0     1001     DESDE     VICTURELLA     SECTION TO THE TRANSIT Lizo Control       State of the Description Transit Lizo Control     Produced     0     1001     DESCRIPTION TO THE TRANSIT Lizo Control     PROFEMANTIC Lizo Control       300     Cartering and the Description Transit Lizo Control     PROFEMANTIC Lizo Control     PROFEMANTIC Lizo Control     PROFEMANTIC Lizo Control       301     Control transit     PROFEMANTIC Lizo Control     PROFEMANTIC Lizo Control     PROFEMANTIC Lizo Control     PROFEMANTIC Lizo Control       302     Maching     PROFEMANTIC Lizo Control     PROFEMANTIC Lizo Control     PROFEMANTIC Lizo Control     PROFEMANTIC Lizo Control       303     Constraining and training     PROFEMANTIC Lizo Control     PROFEMANTIC Lizo Control     PROFEMANTIC Lizo Control     PROFEMANTIC Lizo Control       304     Constraining and training     PROFEMANTIC Lizo Control       305     Control training and training     PROFEMANTIC Lizo Control     PROFEMANTIC Lizo Control     PROFEMANTIC Lizo Control     PROFEMANTIC Lizo Control<	DATE: 1/15/2 fr (MD) RE-ENTRY WORKOVER DBY: DM SUPPLEMENTAL	9,015' X	PROPOSED TD: VERTICAL	17S-28E		n	Section	of					CIII		
BHL         2.00         PSL         20         PSLS         VERTCAL         Coll         Coll <thc< th=""><th>RE-ENTRY     WORKOVER     <b>BY:</b></th><th>X</th><th>VERTICAL</th><th></th><th></th><th></th><th></th><th></th><th></th><th>200</th><th></th><th></th><th></th><th></th></thc<>	RE-ENTRY     WORKOVER <b>BY:</b>	X	VERTICAL							200					
CORRECTE         Yes organize         Distance         Normation         <	WORKOVER DBY: DM													LUCATION:	
DEMARK:         Los file Torget. Fully Course.         DBULLING         COMPLETION (************************************	DBY: DM		HORIZONTAL			<u>n</u>				20				OB IECTIVE.	
DYAMORET CONFERENCE OF 100 **         CONFLICTION **         State           3.00         Actions         000 <td></td> <td></td> <td>nonizonniz</td> <td>IL IVD</td> <td>5,000</td> <td></td> <td>e</td> <td>stimateu</td> <td></td> <td>Eddy County</td> <td></td> <td></td> <td></td> <td></td>			nonizonniz	IL IVD	5,000		e	stimateu		Eddy County					
3-00         **IDC: CONFLETION **           3-01         Assimp           3-02         Assimp           3-03         Assimp           3-04         Physical           3-05         Physical           3-06         Preforing           3-08         Preforing           3-09         Preforing           3-01         Preforing           3-02         Assimp           3-03         Read           3-04         Preforing           3-05         Read-Prescham           3-11         Read-Prescham           3-13         Read-Prescham           3-14         Preforing           3-15         Read-Prescham           3-16         Preforing           3-17         Read-Prescham           3-18         Preforing           3-19         Preforing           3-10         Preforing           3-10         Preforing           3-11         Preforing           3-12         Preforing           3-13         Preforing           3-14         Preforing           3-15         Preforing           3-16         Preforing	SUPPLEMENTAL								,						
104         Avalance         90           104         Percendeg         55000           104         Equation for a broken         55000           104         Equation for a broken         55000           104         Equation for a broken         55000           105         Bench Perios, Lipto, Toh Tohen         55000           105         Bench Perios, Lipto, Toh Tohen         55000           105         Bench Perios, Lipto, Toh Tohen         55000           105         Bench Perios, Lipto, Tohen         55000           106         Bench Perios, Lipto, Noh         55000           107         Bench Perios, Lipto, Noh         55000           108         Bench Perios, Lipto, Noh         55000           107         Bench Perios Noh			COMPLETION		DRILLING					COSTS:	<b>LETION</b>	BLE COMP	INTANGL		
1040         Financing         530,000           1060         Local fool Largeng         530,000           1070         Local fool Largeng         530,000           1080         Local fool Largeng         530,000		1		1		Γ				ON **	MPLETI	* IDC - CO		3-00	
1040         Financing         530,000           1060         Local fool Largeng         530,000           1070         Local fool Largeng         530,000           1080         Local fool Largeng         530,000		1	\$0	1		Ē							Acidizing	3-02	
3-80         Carl Robot Legging         33.0001           5101         CO21 Bootsen         33.0001           5111         Construin Teentral Service         33.0001           5111         Examination T		1				-									
310         CO2/ Rosters         \$3,000           3112         Excit/cut Electrical Socies         \$3,000           3144         Engineers         \$3,000           3145         Engineers         \$3,000           3146         Engineers         \$3,000           3147         Engineers         \$3,000           3148         Engineers         \$3,000           3149         Engineers         \$3,000           3141         Engineers         \$3,000           3141         Engineers         \$3,000           3141         Engineers         \$3,000           324         Sepersion         \$3,000           325         Wood Plage-Radge Plage         \$3,000           326         Wood Plage-Radge Plage         \$3,000           327         Wood Plage-Radge Plage         \$3,000           328         Wood Plage-Radge Plage         \$3,000           329         Kernellande-Plage         \$3,000           320         Stackineevice         \$3,000           321         Electrical Labor         \$3,000           322         Wood Plage-Radge Plage         \$3,000           323         Boered Plage Plage         \$3,000															
3-12         Electronal Flexibility Services         \$3.001           3-14         Engener Rental         \$3.001           3-15         Rentals, Pottos, Lights, Thinh Trillers         \$3.001           3-16         Engener Rental         \$3.001           3-18         Engener Rental         \$3.001           3-19         Engener Rental         \$3.001           3-20         Rentals, Pottos, Lights, Thinh Trillers         \$3.001           3-21         Rentals, Pottos, Lights, Thinh Trillers         \$3.001           3-22         Rentals, Pottos, Thinh Trillers         \$3.000           3-23         Rentals, Pottos, Thinh Trillers         \$3.000           3-24         Structure, Provide         \$3.000           3-25         Water Hallers, Prob. Thinh Trillers         \$3.000           3-26         Water Hallers, Prob. Thinh Trillers         \$3.000           3-27         Water Hallers, Prob. Thinh Trillers         \$3.000           3-28         Water Hallers, Prob. Thinh Trillers         \$3.000           3-30         Rentals, Prob. Thinh Trillers         \$3.000           3-31         Techneid Adver         \$3.000           3-32         Mater Structure, Prob. Structure, Prob. Structure, Prob. Structure, Prob. Structure, Prob. Structure, Prob. Structure, Prob			\$5,000									le Logging	Cased Ho	3-08	
3-14     Engineer Renation     53,00       3-15     Boards Traits Renation     53,00       3-16     Inst. Traits Renation     53,00       3-17     Renation     53,00       3-18     Renation     53,00       3-19     Renation     53,00       3-10     Renation     53,00       3-20     Renation     53,00       3-21     Construction     53,00       3-22     Renation     53,00       3-23     Construction     53,000       3-24     Supervision     53,000       3-25     Completion Overhead     53,000       3-26     Tracking     53,000       3-27     Strange Transfer     53,000       3-28     Renation Network     51,000       3-29     Strange Transfer     53,000       3-30     Stacking Kui Track     53,000       3-31     Tracking Kui Track     53,000       3-32     Renation Network     53,000       3-33     Delta Nucleice     53,000       3-34     Delta Nucleice     53,000       3-35     Delta Nucleice     50,000       3-36     Delta Nucleice     50,000       3-37     Delta Nucleice     50,000       3-38     Delta			\$16,000									osters	CO2 / Bo	3-10	
3-16     Emails-Tottes, Lights, Trailers     57.500       3-16     Proc Tesk Rentals     \$11.000       3-18     Restore Location     \$4.53.31       3-20     Reptore Location     \$5.500       3-21     Rentalibant Coren     \$5.500       3-22     Stranditum Coren     \$5.500       3-23     Stranditum Coren     \$5.500       3-24     Stranditum Coren     \$5.500       3-25     Completion Overhead     \$5.500       3-26     Transfer Coren     \$5.500       3-27     Water Transfer, Col, Poly, Fill Pill     \$3.500       3-28     Water Transfer, Col, Poly, Fill Pill     \$3.500       3-29     Stranditum Coren     \$3.500       3-20     Stranditum Coren     \$3.500       3-21     Reverse Unit (Prover Streich     \$3.500       3-22     Reverse Unit (Prover Streich     \$3.500       3-23     Rocking Kill Trock     \$3.500       3-24     Adaption Stranditum Corent     \$3.500       3-34     Tracking Engine Kill Rold, Fill Rold     \$3.500       3-34     Tracking Engine Kill Rold, Fill											Services				
3-16         File: Tark Remain         \$11.000           3-18         Rester Oc-Way         \$5.331           3-20         Registrow Creas         \$5.331           3-21         Registrow Creas         \$5.331           3-22         Registrow Creas         \$5.331           3-23         Sprinking         \$5.331           3-24         Canada Plage Registrow Creas         \$5.335           3-25         Tracking         \$5.330           3-26         Tracking         \$5.330           3-27         Wate Halage Plag.         \$3.330           3-28         Sprinking Fab Dipocal, Phile         \$3.5200           3-39         Striking Fab Dipocal, Phile         \$3.5200           3-30         Striking Fab Dipocal, Phile         \$3.5000           3-31         Technical Labor         \$3.000           3-32         Sprinking Fab Dipocal, Phile         \$3.000           3-34         4.0         \$4.000         \$3.000           3-34         4.0         \$3.000         \$3.000           3-34         2.000         (day         \$3.000           3-34         2.000         \$3.000         \$3.000           3-34         2.0000         \$3.000															
3.18         Restance Location         \$\$3.33           3.08         Rept. Or. Way         \$\$5.331           3.20         Rept. Or. Way         \$\$5.301           3.21         Center Phys. Phile Phys. Phile Phys.         \$\$15.001           3.24         Control Phys. Phile Phys.         \$\$15.001           3.24         Control Phys. Phile Phys.         \$\$15.001           3.25         Wint Phys. Phile Phys.         \$\$15.001           3.26         Control Phys. Phile Phys.         \$\$15.001           3.28         Water Phys. Phile Phys.         \$\$15.001           3.28         Water Phys. Phile Phys.         \$\$15.001           3.29         Water Phys. Phile Phys.         \$\$15.001           3.20         Stockies Wetz         \$\$15.001           3.21         Technical Lator         \$\$15.001           3.22         Recent Chir Phys. Phys.         \$\$15.001           3.23         Technical Kater         \$\$15.001           3.24         Control Thys.         \$\$15.001           3.25         Math. Unler control Phys.         \$\$15.001           3.24         Control Thys.         \$\$15.001           3.24         Control Thys.         \$\$15.001           3.25         Control Thys. </td <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>ailers</td> <td>s, Trash T</td> <td></td> <td></td> <td></td>		_								ailers	s, Trash T				
3-20         Bight - Of - Np         54.11           3-21         Regulard Crews         53.500           3-23         Crewel Phys. Findler Phys.         53.500           3-24         Completion Phys.         51.000           3-25         Completion Phys.         51.000           3-26         Completion Phys.         51.000           3-27         Water Hauling, Public Phys.         51.000           3-28         Water Hauling, Public Phys.         51.000           3-29         Water Hauling, Public Phys.         51.000           3-20         Strange Phys.         51.000           3-21         Recret Lint. Press Stored         51.000           3-31         Tacketing, Kill Trak.         51.000           3-32         Recret Lint. Press Stored         51.000           3-34         Achieve         51.000           3-34         Conde Completion Fulls.         51.000           3-34         Conde Completion Fulls.         51.000           3-34         Dift Not. Uncerawers. Ite.         51.000           3-34         Dift Tools Completion Fulls.         51.000           3-34         Dift Tools Completion Fulls.         51.000           3-34         Dift Tools Completion		4		_		_									
3-22     Exambatic Cross     \$355,05       3-33     Completion Contracts     \$90,00       3-44     Sepervision     \$90,00       3-55     Completion Contracts     \$90,00       3-66     Fracking     \$10,00       3-76     Completion Contracts     \$10,00       3-76     Completion Contracts     \$10,00       3-78     Visit Trading     \$10,00       3-78     Completion Contracts     \$10,00       3-78     Completion Contracts     \$10,00       3-78     Completion Contracts     \$10,00       3-78     Completion Contracts     \$10,00       3-78     Technical Labor     \$15,000       3-78     Completion Rg/ Dayowsk     \$10       3-74     Dayomsk     \$10       3-7		-		-		-									
3-3.3       Commer Programming Programs       \$21,000         3-25       Completion Conclusion       \$10,000         3-26       Tracking       \$10,000         3-27       Water Tradier - 10°, holy, Full Pl       \$55,000         3-28       Water Tradier - 10°, holy, Full Pl       \$55,000         3-28       Water Tradier - 10°, holy, Full Pl       \$55,000         3-28       Water Tradier - 10°, holy, Full Pl       \$55,000         3-30       Tracking - 10°, holy, Full Pl       \$55,000         3-31       Tracking - 10°, holy, Full Pl       \$50,000         3-32       Reverse Unit / Pover Swell       \$50,000         3-33       Tracking - 10°, holy, Full Pl       \$50,000         3-34       4.01       4.01       \$50,000         3-34       4.01       \$50,000       \$50,000         3-34       A. days @ \$57,000       \$50,000       \$50,000         3-44       Data Color Trade Regiments       \$50,000       \$50,000         3-44       Data Regime Plants       \$50,000       \$50,000         3-44       Data Regime Plants       \$50,000       \$50,000         3-44       Data Regiment       \$50,000       \$50,000         3-44       Materal Regiment		1				-									
3.24         Supervision         \$9,000           3.25         Completion Overhead         \$30,000           3.26         Tracking         \$30,000           3.27         Water Transfer. 107, Poly, Fill PA         \$30,000           3.28         Witer Hauling, Fail Disposal, Poly         \$15,000           3.29         SW Exposal: Hauling, Fail Disposal, Poly         \$15,000           3.31         Technikal Labor         \$15,000           3.32         Automation Strength Strengt Strength Strength Strength Strength Strength Strength Strength S		1		-		-					Dhace				
3-25         Completion Overhead         \$10,500           3-26         Tukking         \$30,000           3-27         Water Transfer 107, Poly, Fill PL         \$35,000           3-28         Water Transfer 107, Poly, Fill PL         \$35,000           3-28         Water Transfer 107, Poly, Fill PL         \$35,000           3-28         Water Transfer 107, Poly, Fill PL         \$35,000           3-30         Stekhner Multing, Fiel Trais         \$300           3-31         Tucking Mill Trais         \$300           3-32         Water Trais         \$300           3-33         Tucking Mill Trais         \$300           3-34         40         dyo go \$2,00         \$40           3-34         40         dyo \$2,00         \$300           3-34         40         dyo \$2,00         \$300           3-34         40         dyo \$2,00         \$300           3-34         Difficion Rules - Null, Electron         \$3000         \$300           3-34         Difficion Rules - Null, Electron         \$3000         \$31000           3-34         Difficion Rules - Null, Electron         \$35,000         \$31000           3-34         Miles Charles - Difficion Rules - Difficion Rules - Difficion Rules - Difficion Rule		1		-		-					i iugo				
3-20         Tucking         \$30,00           3-27         Water Franker-10; Pub, Fill Ph         \$32,000           3-28         Water Franker-10; Pub, Fill Ph         \$32,000           3-29         SN Exponder Landing, Pub Disposal, Pub         \$53,000           3-20         SN Exponder Landing, Pub Disposal, Pub         \$50,000           3-30         Sixthine Work         \$50,000           3-31         Inchained Lafor         \$50,000           3-32         Sixthine Work         \$50,000           3-33         Inchained Lafor         \$50,000           3-34         Colleging Roll Tack         \$50,000           3-35         Anchore         \$50,000           3-36         Anchore         \$50,000           3-37         Congletion Finder, Size,         \$50,000           3-34         Diff Diss, Under Size,         \$50,000           3-34         Congletion Finder, Size, Lafvicator         \$50,000           3-34         Thore Size, Lafvicator         \$50,000           3-34         Thore Size, Lafvicator         \$50,000           3-34         Thore Size, Control Eugin Rental, Bace         \$50,000           3-35         Control Eugin Rental, Bace         \$50,000           3-34 <td></td> <td>1</td> <td></td> <td>1</td> <td></td>		1		1											
3-27       Water Transfer: 07, Poly, FIIP Pa       \$25,000         3-28       Water Transfer: 07, Poly, FIIP Pa       \$510,000         3-29       SW Deposal-Huding, Piad Disposal, Poly       \$150,000         3-30       Siteline Work       \$150,000         3-31       Technical Labor       \$150,000         3-32       Reverse Unit / Poore Swived       \$150,000         3-33       Tracking-Kill Track       \$30         Completion Rg/ Doywork       \$30         3-34       4.0       doys       \$2,000         3-35       Axchore       \$300         3-36       Axchore       \$300         3-37       Drill bris: Under enters, Re.       \$300         3-38       Bristing Toole Real       \$300         3-39       Frace Courble Explicit Particle Structure       \$300         3-40       Beding Toole Real       \$5000         3-41       Beding Toole Real       \$5000         3-50       Proce Courble Explicit Particle Structure       \$50,000         3-54       Maceaneral BOPE, Frace Struct, Labric and       \$50,000         3-54       Maceaneral BOPE, Frace Structure       \$50,000         3-54       Maceaneral BOPE, Frace Structure       \$50,000		1		1											
3-29       SW Decode Lawing, Faid Disposal, Poly       \$190         3-30       Sickine Work       \$15,000         3-31       Texhing, Laftare       \$10         3-32       Reverse Study (Power Sweet)       \$30,00         3-33       Sickine Work       \$30         3-34       4.9       dys       \$20         3-35       Actions       \$30         3-36       Actions       \$30         3-37       Completion Rg/ Doyook       \$30         3-38       Drill Six, Undecementer, file.       \$30,00         3-40       Conditating Unit       \$30         3-41       Definition Revision       \$30         3-42       Completion Rg/ Doyook       \$30         3-43       Definition Revision       \$30         3-44       Definition Revision       \$30         3-45       Completion Rg/ Doyook       \$30         3-46       Finition Revision       \$30,00         3-47       Definition       \$30,00         3-48       Tobiog Revision       \$31,000         3-50       Control Revision       \$30,00         3-51       Control Revision       \$35,000         3-52       Weiteralis Work Costric		]		]						t	Poly, Fill P	nsfer- 10", I			
3.30       Sitchine Vork       90         3.31       Technical Labor       \$15,000         3.32       Revers Uni / Power Swiel       \$30,000         3.33       Trackings Kill Truck       \$30         Completion Right / Daywork       \$2,000       /day         3.34       Collect Tubing Unit       \$30         3.34       Anchors       \$2,500         3.34       Collect Tubing Unit       \$30         3.34       Definition Flash - Mul. Ele.       \$5000         3.44       DH Tool Kenal       \$5000         3.44       DH Tool Kenal       \$5000         3.44       DH Tool Kenal       \$5000         3.45       Miching Tools and A Labor       \$5000         3.46       Fabring Tools and A Labor       \$5000         3.47       Completion Right A Labor       \$5000         3.48       Tabing Tools and A Labor       \$5000         3.49       Teolog Renal-BOPE, Fine Stack, Labricator       \$5000         3.40       Teolog Renal-BOPE, Fine Stack, Labricator       \$5000         3.40       Teolog Renal-BOPE, Fine Stack, Labricator       \$5000         3.40       Teolog Renal-BOPE, Fine Stack, Labricator       \$5000         4.00       Fabine		1		1											
3.31       Feducal Labor       \$15,000         3.32       Recent Unit / Power Swited       \$30,000         3.33       Fracking-KR Truck       \$30,000         3.34       Ado days       \$2,600       / day         3.35       Anchos       \$30,000       \$30,000         3.36       Anchos       \$52,000       \$30,000         3.38       Dribbis, Undersamers, Etc.       \$55,000       \$55,000         3.44       Dtibbis, Undersamers, Etc.       \$50,000       \$50,000         3.44       Dtibbis, Undersamers, Etc.       \$50,000       \$50,000         3.44       Dirig Testing & Impection       \$50,000       \$50,000         3.44       Dirig Escing recells (Pressack, Labricator       \$50,000       \$50,000         3.50       Press Control Equip Returber COSTS:       \$159,0151       \$159,0151 <b>JOTAL NETWORDSECONTS: DRELING</b> \$20,000       \$159,5151 <b>JOTAL STANGUEL COMPLETION COSTS: DRELING</b> \$20,000       \$159,5151 <b>JOTAL STANGUEL COMPLETION COSTS: DRELING</b> \$20,000       \$20,000       \$20,000       \$20,000       \$20,000       \$20,000       \$20,000       \$20,000       \$20,000       \$20,000       \$20,000       \$20,000		1		_		Ē				osal, Poly	, Paid Disp				
3-32     Reverse Uair (Power Swivel     \$30000       3-33     Tracking: Kill Trock     \$90       3-34     4-0     dys     \$5,000       3-34     4-0     dys     \$5,000       3-34     4-0     dys     \$5,000       3-34     4-0     dys     \$5,000       3-34     Colled Tubing Unit     \$5000       3-40     Colled Tubing Unit     \$5000       3-41     Competion RuidsMud. Enc.     \$5000       3-44     Hubing Tool Renal     \$5000       3-45     Milling Tool Renal     \$5000       3-46     Falam Tool Renal     \$5000       3-50     Presc Scorned Equip Renat-BOPE, Fire Stack, Lubicitore     \$5000       3-54     Miller Endowork Completion     \$5000       3-56     Contingencisc Completion     \$5000       3-56     Contingencisc Completion     \$5000       3-56     Contingencisc Completion     \$5000       3-56     Contingencisc Completion     \$5000       3-50     Presc Completion Ruids-     \$5000       3-50     First Stack, Lubicitore     \$5000       3-56     Contingencisc Completion Statisc     \$5000       57073     Statisc     \$5000       4-00     Pringe     \$5000       4		-		-		L									
3.33       Tracking-Kit Truck       \$0         Comprision Rg (Daycork, 4.0       \$30,000         3.34       Aubors       \$30,000         3.36       Aukburs       \$30,000         3.37       Machines       \$30,000         3.38       Dell bits, Under-ramers, Bit:       \$30,000         3.40       Compretion Fluids - Mud. Etc.       \$50,000         3.41       Diffing Tool Renul       \$10,000         3.44       Diffing Tool Renul       \$10,000         3.45       Induction Renul       \$10,000         3.46       Fring Tool Renul       \$10,000         3.50       Press Commol Explorement & Labor.       \$50,000         3.54       Micciliancoux Completion       \$50,000         3.55       Compression Explorement & Labor.       \$50,000         3.54       Micciliancoux Completion       \$50,000         4.00       ** DC - COMPLETION COSTS:       DBHLING       \$50,000         4.00       ** DC - COMPLETION COSTS:       DBHLING       \$50,000         4.00       ** DC - COMPLETION COSTS:       DBHLING       \$50,000         4.01       Haing       \$50,000       \$50,000       \$50,000         4.02       Packers       \$50,000		-		-		_									
Completion Rig/ Daywork         50           3-34         4.0         4ys         \$3           3-36         Anchors         \$2,500         \$2,500           3-38         Dell Bus, Undersamers, Erc.         \$5,500         \$5,500           3-44         Conded Tabing Unit         \$5,000         \$5,000           3-44         Delt root Rental         \$5,000         \$5,000           3-44         Fubring Tool Rental         \$5,000         \$5,000           3-44         Fubring Tool Rental         \$5,000         \$5,000           3-50         Prescontrot Equip Rental-BOPE, Franc Stack, Lubricator         \$5,000         \$5,000           3-52         Well Testing Equipment & Labor         \$5,000         \$5,000         \$5,000           3-54         Mixeellaneous Completion         \$5,000 <td></td> <td>4</td> <td></td> <td>_</td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td>Swivel</td> <td></td> <td></td> <td></td>		4		_		_					Swivel				
3-34     4.0     days     9     \$7,00     / day       3-36     Achors     \$5,000     \$5,000       3-38     Drill bits, Unde-reamers, Erc.     \$5,000     \$5,000       3-44     Defining Tool Rental     \$5,000     \$5,000       3-44     Defining Tool Rental     \$5,000     \$5,000       3-44     Defining Tool Rental     \$5,000     \$5,000       3-50     Press Control Equip Rental- BOPE, Frac Stack, Labricator     \$5,000     \$5,000       3-50     Press Control Equip Rental- BOPE, Frac Stack, Labricator     \$5,000     \$5,000       3-51     Contrageciss Completion     \$5,000     \$5,000       3-54     Miscellaneous Completion     \$1,931,151     \$1,931,501       TOTAL INTANCIBLE COMPLETION CONTS:     \$1,931,501       DRILLING     \$20,000       4-00     ** IDC - COMPLETION CONTS:     \$1,931,501       DRILLING     \$20,000       4-01     Tubing     \$20,000       4-02     Packers     \$00       4-03     ** IDC - COMPLETION **     \$00       4-04     Pages     \$00       4-05     Rel Abort     \$00       4-06     Rel Abort     \$00       4-07     Pages     \$00       4-08		-		-		-					ricelle			3-33	
3-38         Onlines, Underenners, Eu.         \$2,200           3-38         Doll Hus, Underenners, Eu.         \$500           3-40         Colled Tubing Unit         \$500           3-41         Derived Find Finds         \$500           3-42         Completion Finds         \$500           3-44         Diff Tool Rental         \$500           3-45         Fradag Tool Rental         \$5000           3-46         Fradag Tool Rental         \$5000           3-50         Contragetion Finds         \$5000           3-51         Contragetion Completion         \$5000           3-54         Mixeellaneous Completion         \$5000           3-55         Contragetion Completion         \$5000           3-56         Contragetion Completion         \$5000         \$5000           3-56         Contragetion Completion         \$5000         \$5000           3-56         Contragetion Contragetion         \$5000         \$5000           3-56         Contragetion Completion         \$5000         \$5000           4-00         Packers         \$5000         \$5000           4-01         Public         \$500         \$5000           4-02         Packers         \$500								day	,	\$7.600				3-34	
3-38       Dill his, Undereamers, Ec.       55,000         3-40       Coldel Tubing Unit       \$5,000         3-44       Dir Tool Rental       \$12,000         3-48       Fishing Tool Rental       \$12,000         3-44       Dir Tool Rental       \$12,000         3-45       Micellaneous Completion Fluids - Statek, Labricator       \$55,000         3-50       Press Control Equip Rental BOPE, Frac Stack, Labricator       \$55,000         3-52       Weil Testing Equipment & Labor       \$55,000         3-54       Micellaneous Completion       \$55,000         3-55       Contingencies Completion       \$55,000         3-54       Micellaneous Completion State       \$19,151         50       TOTAL INFANCIAL COMPLETION COSTS:       DRILLING       COMPLETION         4-00       ***       \$20,000       \$404         4-01       Tubing       \$30       \$404         4-02       Packers       \$30       \$404         4-03       Reder Joint       \$30       \$404         4-04       Pings       \$30       \$404         4-04       Reder Joint       \$30       \$404         4-05       Bate Joint       \$50       \$406         4-1		-				-		uay	/	<u>\$7,000</u>	e	uays			
3-40       Colded Tubing Unit       50         3-42       Congression Renat       \$5,000         3-44       DI I rool Renat       \$5,000         3-45       Foling Tool Renat       \$5,000         3-46       Foling Tool Renat       \$5,000         3-50       Press Control Equip Renat-BORE Frac Stack, Lubricator       \$5,000         3-51       Mineciliancois Completion       \$5,000         3-52       Well Testing Renat-BORE Frac Stack, Lubricator       \$5,000         3-53       Mineciliancois Completion       \$5,000         3-54       Mineciliancois Completion       \$5,000         3-55       COMPLETION COSTS:       \$15,151         70741 NTXNGIBLE COMPLETION COSTS:       DBELLING       \$00         4-00       Tubing       \$30       \$00         4-01       Tubing       \$30       \$00         4-04       Plackers       \$30       \$00         4-05       Basi Joint       \$30       \$00         4-06       Basi Joint       \$30       \$00         4-10       Compression Equipment       \$30       \$00         4-12       Peckers       \$30       \$00       \$00         4-13       Anoronone Equipment						-					rs. Etc.	Unde-reame			
3-42       Completion Planks - Mal, Etc.       \$5,000         3-44       Different State, Labricator       \$5,000         3-50       Press Control Equip Rental BOPE, Frae Stack, Labricator       \$5,000         3-52       Well Testing & Inspection       \$5,000         3-54       Miceallacous Completion #       \$5,000         3-55       Contriggnices Completion       \$5,000         3-56       Contriggnices Completion       \$5,000         3-56       Contriggnices Completion       \$5,000         3-56       Contriggnices Completion       \$5,000         3-57       TOTAL INFANDIBLE COMPLETION COSTS:       DIRULING       COMPLETION         4-00       •* IDC - COMPLETION **       \$50       \$60         4-01       Taking Laignment       \$50       \$60         4-02       Paakers       \$60       \$60         4-10       Compression Equipment       \$50       \$60         4-112       Delynament Equipment       \$60       \$60         4-12       Delynament Equipment       \$60       \$60         4-14       Electrical Equipment       \$60       \$60         4-15       Automation Equipment       \$60       \$60         4-16       Ingetion Franks											,				
3-44       EMB TOR Rental       \$12,000         3-46       Fishing Tool Rental       \$50,000         3-50       Press Control Equip Rental-BOPE, Frac Stack, Lubricator       \$55,000         3-51       Contingencies Completion       \$55,000         3-54       Hiscellaneous Completion       \$55,000         3-54       Miscellaneous Completion       \$55,000         3-55       Contingencies Completion       \$55,000         TOTAL INTERCOMPLIETION CONTS:         DRILLING       \$19,151         ORIGINAL STREET ON CONTS:         DRILLING       \$20,000         400       * 10C · COMPLETION **         ORIGINAL STREET ON CONTS:         DRILLING       \$20,000         400       * 10bing       \$20,000         400       * 50         COMPLETION ***       \$20         400       \$20,000         400       \$20,000         400       \$20,000         400       \$20,000         400       \$20,000         400       \$20,000         400       \$20,000       \$30 </td <td></td> <td>lud, Etc.</td> <td></td> <td></td> <td></td>											lud, Etc.				
3-48       Tubing Testing & Inspection       \$6,000         3-50       Press Control Equipment & Labor       \$5,000         3-52       Well Testing Equipment & Labor       \$5,000         3-54       Miscellancous Completion       \$5,000         3-54       Contingencies Completion       \$5,000         3-56       Contingencies Completion       \$159,151         DRILING         DRILING       COMPLETION         Adom the set of the set			\$12,000											3-44	
3-50       Press Control Equip Rental: BOPE, Frac Stack, Lubricator       \$95,000       \$1         3-52       Will Testing Equipment & Lubor       \$5,000       \$1         3-54       Miscellaneous Completion       \$5,000       \$1       \$1         3-54       Miscellaneous Completion       \$1			\$0									ool Rental	Fishing To	3-46	
3-22       Well Testing Equipment & Labor         3-54       Miscellaneous Completion         3-54       Miscellaneous Completion         3-56       Contingencies Completion         3-56       Contingencies Completion COSTS:         DRILING COMPLETION COSTS:         DRILING         Avseint & COMPLETION COSTS:         DRILING         OMPLETION COST         OTAL COMPLETION COSTS:         DRILING         OTAL COMPLETION COSTS:         DRILING         OTAL COMPLETION COST         Station Equipment         Autor Equipment         Autor Equipment         Autor Equipment         Autor Equipment														3-48	
3-34       Miscellancous Completion       \$5,000         3-36       Contingencies Completion       \$159,151         TANGIBLE COMPLETION COSTS:         DELLING         AUXINTANCIBLE COMPLETION COSTS:         DELLING         AUXINTANCIBLE COMPLETION COSTS:         DELLING         OMPLETION COSTS:         DELLING         AUXINTANCIBLE COMPLETION COSTS:         DELLING         AUXINTANCIBLE COMPLETION COSTS:         DELLING         AUXINTANCIBLE COMPLETION COSTS:         DELLING         AUXINTANCIBLE COMPLETION COSTS:         DELLING         OTAL INFORMETION COSTS:         DELLING         OTAL INFORMETION COST:         AUXINTANCIBLE COMPLETION COST:         AUXINTANCIBLE COMPLETION COST:         AUXINTANCIBLE COMPLETION COST:         SUPERITOR COST         AUXINTANCIBLE COMPLETION COST:         SUPERITOR COST         SUPERITOR COST         SUPERITOR COST         SUPERITOR COST <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>ator</td> <td>k, Lubric</td> <td></td> <td></td> <td></td> <td></td> <td></td>								ator	k, Lubric						
3-56       Contingencies Completion       \$159.151         TOTAL INTANGIBLE COMPLETION COSTS:       DRILLING       SUI         4-00       ** DC - COMPLETION COSTS:       DRILLING       SUI         4-01       Tubing       \$1000000000000000000000000000000000000															
TOTAL INTANGIBLE COMPLETION COSTS:       \$1,951,501         TANGIBLE COMPLETION COSTS:       DRILLING       COMPLETION       \$U         400       ** IDC - COMPLETION **       \$U         401       Fubing       SU         401       COMPLETION **       \$U         401       COMPLETION **       \$U         401       Fubing Fubing       \$U       \$U       \$U         401       Fubing Fubing Fubing Fubing       \$U       \$U <th colspa<="" td=""><td></td><td>4</td><td></td><td>_</td><td></td><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th>	<td></td> <td>4</td> <td></td> <td>_</td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		4		_		_								
TANGIBLE COMPLETION COSTS:DRILLINGCOMPLETION4-00** IDC - COMPLETION **\$104-01Tubing\$20,0004-02Packers\$04-04Plugs\$04-04Plugs\$04-05Blast Joint\$04-06Blast Joint\$04-07Environmental Equipment\$004-08Miscellancous Completion Equipment\$04-10Compression Equipment\$04-112Dehydration Equipment\$04-12Dehydration Equipment\$04-14Electrical Equipment\$04-15Automation Equipment\$04-16Injection / Transfer Punp\$04-18Meter & Meter Run\$04-22Production Tanks\$04-23Salt Water Tanks\$04-24Separation Equipment\$04-25Pumping Unit\$104-30Rod String\$04-32Tubing Head\$10,0004-33Artificial Lift and Accessories\$10,0004-34Valves, Gauges and Miscellaneous\$1,171,3964-37S2,183,621\$2,183,621TOTAL COMPLETED WELL COST\$3,355,019		1		-								_			
4-00         ** IDC - COMPLETION **           4-01         Tubing           4-01         Tubing           4-02         Packers           4-04         Pings           4-06         Blast Joint           4-06         Blast Joint           4-08         Miscellancous Completion Equipment           4-09         Environmental Equipment           4-10         Compression Equipment           4-12         Delydration Equipment           4-14         Electrical Equipment           4-15         Automation Equipment           4-16         Injection / Transfer Purup           4-18         Meter & Meter Run           4-20         Salt Water Transks           4-21         Delymontanic Equipment           4-22         Production Tanks           4-23         Salt Water Transks           4-24         Separation Equipment           4-25         Pump           4-30         Rod String           4-31         Salt Water Transks           4-32         Tubing Head           4-33         Rod String           4-34         Separation Equipment           4-35         Saltone           4-30 </td <td></td> <td>]</td> <td>\$1,951,501</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>ON COSTS:</td> <td><i><b>OMPLETI</b></i></td> <td>NGIBLE CO</td> <td><mark>TAL INTA</mark>I</td> <td><u>T01</u></td>		]	\$1,951,501							ON COSTS:	<i><b>OMPLETI</b></i>	NGIBLE CO	<mark>TAL INTA</mark> I	<u>T01</u>	
4-00         ** IDC - COMPLETION **           4-01         Tubing           4-01         Tubing           4-02         Packers           4-04         Pings           4-06         Blast Joint           4-06         Blast Joint           4-08         Miscellancous Completion Equipment           4-09         Environmental Equipment           4-10         Compression Equipment           4-12         Delydration Equipment           4-14         Electrical Equipment           4-15         Automation Equipment           4-16         Injection / Transfer Purup           4-18         Meter & Meter Run           4-20         Salt Water Transks           4-21         Delymontanic Equipment           4-22         Production Tanks           4-23         Salt Water Transks           4-24         Separation Equipment           4-25         Pump           4-30         Rod String           4-31         Salt Water Transks           4-32         Tubing Head           4-33         Rod String           4-34         Separation Equipment           4-35         Saltone           4-30 </td <td>SUPPLEMENTAL</td> <td>1</td> <td>COMPLETION</td> <td>1</td> <td>DRILLING</td> <td></td> <td></td> <td></td> <td></td> <td>OSTS:</td> <td>ETION C</td> <td>LE COMPL</td> <td>TANGIB</td> <td></td>	SUPPLEMENTAL	1	COMPLETION	1	DRILLING					OSTS:	ETION C	LE COMPL	TANGIB		
4-01       Tubing       \$20,000         4-02       Packers       \$0         4-04       Plugs       \$0         4-06       Blast Joint       \$0         4-08       Miscellaneous Completion Equipment       \$0         4-09       Environmental Equipment       \$0         4-10       Compression Equipment       \$0         4-11       Dehydration Equipment       \$0         4-12       Dehydration Equipment       \$0         4-14       Electrical Equipment       \$0         4-15       Automation Equipment       \$0         4-16       Injection / Trasfer Pump       \$0         4-18       Meter & Meter & Run       \$0         4-20       Salt Water Tanks       \$0         4-22       Production Tanks       \$0         4-24       Separation Equipment       \$0         4-24       Separation Equipment       \$0         4-25       Pumping Unit       \$0         4-26       Pumping Unit       \$10,000         4-30       Rod String       \$10,000         4-33       Rod String       \$10,000         4-34       Valves, Gauges and Miscellaneous       \$10,000         4-34		1		1		F								4-00	
4-02       Packers       \$0         4-04       Plugs       \$0         4-06       Blast Joint       \$0         4-08       Miscellaneous Completion Equipment       \$0         4-09       Environmental Equipment       \$0         4-10       Compression Equipment       \$0         4-10       Compression Equipment       \$0         4-11       Electrical Equipment       \$0         4-12       Dehydration Equipment       \$0         4-13       Automation Equipment       \$0         4-14       Electrical Equipment       \$0         4-15       Automation Equipment       \$0         4-16       Injection Transfer Pump       \$0         4-18       Meter & Meter Run       \$0         4-20       Salt Water Tanks       \$0         4-21       Production Tanks       \$0         4-22       Production Tanks       \$0         4-23       Separation Equipment       \$0         4-24       Separation Equipment       \$0         4-25       Pumping Unit       \$0       \$0         4-30       Rod String       \$10,000       \$3         4-31       Rod String       \$10,000 <td< td=""><td></td><td>1</td><td>¢20.000</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td>AN</td><td></td><td>IDC · CO</td><td></td><td></td></td<>		1	¢20.000	1						AN		IDC · CO			
4-04       Plugs       \$0         4-06       Blast Joint       \$0         4-08       Miscellaneous Completion Equipment       \$0         4-09       Environmental Equipment       \$0         4-10       Compression Equipment       \$0         4-11       Dehydration Equipment       \$0         4-12       Dehydration Equipment       \$0         4-14       Electrical Equipment       \$0         4-15       Automation Equipment       \$0         4-16       Injection / Transfer Pump       \$0         4-18       Meter & Meter Run       \$0         4-20       Salt Water Tanks       \$0         4-22       Production Tanks       \$0         4-23       Separation Equipment       \$0         4-24       Separation Equipment       \$0         4-25       Pumping       \$0         4-26       Pumping       \$0         4-30       Rod String       \$0         4-31       Tubing Head       \$5,000         4-32       Tubing Head       \$5,000         4-34       Flowline       \$3,0,00         4-35       Contact Completion Costs:       \$3,1,71,396         TOTAL COMPLETION C		-		-		-									
4-06       Blast Joint       \$0         4-08       Miscellaneous Completion Equipment       \$6,000         4-09       Environmental Equipment       \$0         4-10       Compression Equipment       \$0         4-12       Dehydration Equipment       \$0         4-14       Electrical Equipment       \$0         4-15       Automation Equipment       \$0         4-16       Injection / Transfer Pump       \$0         4-18       Meter & Meter Run       \$0         4-20       Salt Water Tanks       \$0         4-21       Production Tanks       \$0         4-22       Production Tanks       \$0         4-23       Salt Water Tanks       \$0         4-24       Separation Equipment       \$0         4-25       Pump       \$0         4-26       Pump       \$0         4-27       Production Tanks       \$0         4-28       Pumping Unit       \$0         4-30       Rod String       \$10,000         4-34       Saluges and Miscellaneous       \$13,050         4-35       Artificial Lift and Accessories       \$13,072         50       \$2,183,623       \$23,100 <td< td=""><td></td><td>1</td><td></td><td>-</td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>		1		-		-									
4:08       Miscellaneous Completion Equipment       \$6,000         4:09       Environmental Equipment       \$0         4:10       Compression Equipment       \$0         4:12       Dehydration Equipment       \$0         4:14       Electrical Equipment       \$0         4:14       Electrical Equipment       \$0         4:15       Automation Equipment       \$0         4:16       Injection / Transfer Pump       \$0         4:18       Meter & Meter Run       \$0         4:20       Salt water Tanks       \$0         4:21       Separation Equipment       \$0         4:22       Production Tanks       \$0         4:23       Rod String       \$0         4:24       Separation Equipment       \$0         4:25       Pumpig Unit       \$0         4:26       Pumpig Unit       \$0         4:30       Rod String       \$0         4:31       Autificial Lift and Accessories       \$10,000         4:33       Artificial Lift and Accessories       \$13,070         4:40       Rowline       \$13,070         50       \$22,123       \$23,123         50       \$21,171,396       \$23,23,212 <td></td> <td>-</td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>•</td> <td></td> <td></td>		-		-		-						•			
4-09       Environmental Equipment         4-10       Compression Equipment         4-12       Dehydration Equipment         4-13       Dehydration Equipment         4-14       Electrical Equipment         4-15       Automation Equipment         4-16       Injection / Transfer Pump         4-17       Meter & Mun         4-18       Meter & Run         4-20       Salt Water Tanks         4-21       Production Tanks         4-22       Production Tanks         4-23       Separation Equipment         4-24       Separation Equipment         4-25       Salt Water Tanks         4-26       Pumping Unit         4-27       Production Tanks         4-28       Pumping Unit         4-29       Solution         4-30       Rod String         4-31       Valves, Gauges and Miscellaneous         4-32       Tubing Head         4-33       Artificial Lift and Accessories         4-34       Flowline         500       \$13.072         501       \$13.072         502       \$232,123         503       \$13.072         513.072       \$232,123 </td <td></td> <td>1</td> <td></td> <td>1</td> <td></td> <td>F</td> <td></td> <td></td> <td></td> <td>ment</td> <td>tion Equir</td> <td></td> <td></td> <td></td>		1		1		F				ment	tion Equir				
4-10Compression Equipment4-12Dehydration Equipment4-14Electrical Equipment - Motors, Etc.4-15Automation Equipment4-16Injection / Transfer Pump4-18Meter & Meter Run4-20Salt Water Tanks4-20Salt Water Tanks4-21Separation Equipment4-22Separation Equipment4-23Support4-24Separation Equipment4-25Pump4-26Pump4-27Separation Equipment4-28Pumping Unit4-30Rod String4-31Tubing Head4-32Tubing Head4-33Artificial Lift and Accessories4-34Valves, Gauges and Miscellaneous4-35Stillon004-36Stillon004-37TOTAL TANGIBLE COMPLETION COSTS:TOTAL COMPLETION COST\$1,171,396TOTAL COMPLETED WELL COST\$3,355,019		1		1											
4-12       Dehydration Equipment       \$0         4-14       Electrical Equipment       \$0         4-14       Electrical Equipment       \$0         4-15       Automation Equipment       \$0         4-16       Injection / Transfer Pump       \$0         4-18       Meter & Meter Run       \$0         4-20       Salt Water Tanks       \$0         4-21       Separation Equipment       \$0         4-22       Production Tanks       \$0         4-24       Separation Equipment       \$0         4-25       Pump       \$175,000         4-26       Pump       \$175,000         4-30       Rod String       \$0         4-32       Tubing Head       \$0         4-33       Artificial Lift and Accessories       \$10,000         4-34       Valves, Gauges and Miscellaneous       \$3,050         4-35       Flowline       \$13,072         707AL COMPLETION COST       \$1,171,396       \$2,183,623         707AL COMPLETED WELL COST       \$3,355,019       \$3,355,019		1		1											
4-14       Electrical Equipment - Motors, Etc.       \$0         4-15       Automation Equipment       \$0         4-16       Injection / Transfer Pump       \$0         4-18       Meter & Meter Run       \$0         4-20       Salt Water Tanks       \$0         4-22       Production Tanks       \$0         4-24       Separation Equipment       \$0         4-25       Pump       \$175,000         4-26       Pump       \$175,000         4-30       Rod String       \$0         4-30       Rod String       \$0         4-31       Valves, Gauges and Miscellaneous       \$10,000         4-34       Valves, Gauges and Miscellaneous       \$13,072         4-30       Flowline       \$13,072         70TAL TANGIBLE COMPLETION COSTS:       \$1,171,396         70TAL COMPLETED WELL COST       \$1,171,396		]	\$0	]											
4-16       Injection / Transfer Pump       \$0         4-18       Meter & Meter Run       \$0         4-20       Salt Water Tanks       \$0         4-20       Salt Water Tanks       \$0         4-20       Salt Water Tanks       \$0         4-21       Separation Equipment       \$0         4-22       Separation Equipment       \$0         4-26       Pump       \$175,000         4-28       Pumping Unit       \$0         4-30       Rod String       \$0         4-32       Tubing Head       \$10,000         4-33       Artificial Lift and Accessories       \$10,000         4-34       Valves, Gauges and Miscellaneous       \$13,072         4-35       Flowline       \$13,072         TOTAL TANGIBLE COMPLETION COSTS:       \$2,183,623         TOTAL COMPLETED WELL COST       \$3,355,019		]				Γ				tc.					
4-18       Meter & Meter Run       \$0         4-20       Salt Water Tanks       \$0         4-22       Production Tanks       \$0         4-22       Production Equipment       \$0         4-24       Separation Equipment       \$0         4-26       Pump       \$175,000         4-28       Pumping Unit       \$0         4-30       Rod String       \$0         4-32       Tubing Head       \$10,000         4-33       Artificial Lift and Accessories       \$10,000         4-34       Valves, Gauges and Miscellaneous       \$13,072         4-35       Flowline       \$13,072         TOTAL TANGIBLE COMPLETION COSTS:       \$2,183,623       \$2,22,123         TOTAL COMPLETED WELL COST       \$3,355,019       \$3,355,019		1		1		Ē									
4-20       Salt Water Tanks       \$0         4-22       Production Tanks       \$0         4-24       Separation Equipment       \$0         4-26       Pump       \$175,000         4-28       Pumping Unit       \$0         4-30       Rod String       \$0         4-32       Tubing Head       \$0         4-32       Tubing Head       \$10,000         4-34       Valves, Gauges and Miscellaneous       \$10,000         4-34       Flowline       \$13,072         TOTAL TANGIBLE COMPLETION COSTS:       \$1,171,396       \$2,183,623         TOTAL COMPLETED WELL COST       \$3,355,019       \$3,355,019		1		1		L					mp				
4-22       Production Tanks       \$0         4-24       Separation Equipment       \$0         4-26       Pump       \$10         4-27       Pumping Unit       \$0         4-28       Pumping Unit       \$0         4-30       Rod String       \$0         4-31       Tubing Head       \$10,000         4-32       Tubing Head       \$10,000         4-33       Artificial Lift and Accessories       \$5,000         4-40       Flowine       \$13,072         TOTAL TANGIBLE COMPLETION COSTS:       \$2,222,123         OTAL DRILLING COST       \$2,183,623         TOTAL COMPLETED WELL COST       \$3,355,019		-		-		L									
4-24       Separation Equipment       \$0         4-26       Pump       \$175,000         4-28       Pumping Unit       \$0         4-30       Rod String       \$0         4-32       Tubing Head       \$10,000         4-34       Valves, Gauges and Miscellaneous       \$3,050         4-38       Artificial Lift and Accessories       \$3,050         4-39       Flowline       \$110,000 <b>TOTAL TANGIBLE COMPLETION COSTS: S</b> 1,171,396 <b>S</b> 2,183,623 <b>S</b> 2,183,623 <b>S</b> 3,355,019		4		4		H									
4-26       Pump       \$175,000         4-28       Pumping Unit       \$0         4-30       Rod String       \$0         4-31       Tubing Head       \$10,000         4-32       Tubing Head       \$10,000         4-33       Artificial Lift and Accessories       \$3,3050         4-38       Artificial Lift and Accessories       \$5,000         4-40       Flowline       \$13,072         TOTAL TANGIBLE COMPLETION COSTS:         TOTAL DRILLING COST       \$1,171,396         TOTAL COMPLETED WELL COST       \$3,355,019		4		4		$\vdash$									
4-28       Pumping Unit       \$0       \$0         4-30       Rod String       \$0       \$0         4-32       Tubing Head       \$10,000       \$10,000         4-34       Valves, Gauges and Miscellaneous       \$3,050       \$3,050         4-38       Artificial Lift and Accessories       \$5,000       \$3,072         4-40       Flowline       \$13,072       \$13,072         TOTAL TANGIBLE COMPLETION COSTS:         TOTAL DRILLING COST       \$1,171,396         TOTAL COMPLETED WELL COST       \$3,355,019		4		-		$\vdash$						n Equipment			
4-30       Rod String       \$0         4-32       Tubing Head       \$10,000         4-34       Valves, Gauges and Miscellaneous       \$3,000         4-33       Artificial Lift and Accessories       \$3,000         4-40       Flowline       \$13,072         TOTAL TANGIBLE COMPLETION COSTS:         TOTAL DRILLING COST       \$1,171,396         TOTAL COMPLETED WELL COST       \$3,355,019		1		-		$\vdash$						Init			
4-32       Tubing Head       \$10,000         4-34       Valves, Gauges and Miscellaneous       \$3,050         4-38       Artificial Lift and Accessories       \$5,000         4-40       Flowline       \$13,072         TOTAL TANGIBLE COMPLETION COSTS:         \$2,123         TOTAL COMPLETION COSTS:         \$2,22,123       \$2,183,623         \$2,183,623       \$3,355,019		1		-		$\vdash$									
4-34       Valves, Gauges and Miscellaneous       \$3,050         4-38       Artificial Lift and Accessories       \$5,000         4-40       Flowline       \$13,072 <b>TOTAL TANGIBLE COMPLETION COSTS: \$1,171,396 \$2,183,623 \$2,183,623 \$3,355,019</b>		1		1		$\vdash$									
4-38       Artificial Lift and Accessories       \$5,000         4-40       Flowline       \$13,072         TOTAL TANGIBLE COMPLETION COSTS:         OTAL DRILLING COST       \$232,123         OTAL COMPLETION COST       \$1,171,396         FOTAL COMPLETED WELL COST       \$3,355,019		1		1						s	liscellaneo				
4-40       Flowline       \$13,072         TOTAL TANGIBLE COMPLETION COSTS:       \$2322,123         OTAL DRILLING COST       \$1,171,396         OTAL COMPLETION COST       \$2,183,623         TOTAL COMPLETED WELL COST       \$3,355,019		1		1											
TOTAL TANGIBLE COMPLETION COSTS:       \$232,123         OTAL DRILLING COST       \$1,171,396         OTAL COMPLETION COST       \$2,183,623         FOTAL COMPLETED WELL COST       \$3,355,019		1		1											
OTAL DRILLING COST         \$1,171,396           OTAL COMPLETION COST         \$2,183,623           FOTAL COMPLETED WELL COST         \$3,355,019		1		1		Ē				V COSTS:	MPLETIO	GIBLE CO			
OTAL COMPLETION COST       \$2,183,623         FOTAL COMPLETED WELL COST       \$3,355,019		L	<i>\$232,123</i>	- ר	A	F									
FOTAL COMPLETED WELL COST       \$3,355,019		1		L	\$1,171,39	L									
		J	\$2,183,623									JOST	'LETION (	UTAL COMP	
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OPEDATOR		Longfall	v Enor	. ID										
OPERATOR: LEASE:		Longfellov Santana St					WELL NO.	00211		FIELD:	Loco Hills	AFE #: 801	DATE:	1/15/202
LEASE: LOCATION:	SHL	1,245'	FSL		FWL	of	Section	002H	21	17S-28E	PROPOSED TD:	9,415'	ft (MD)	1/13/202
LOCATION.	BHL	1,853'	FSL	200	FWL	of	Section		20	175-28E	VERTICAL	7,413	RE-ENTRY	-
<b>DBJECTIVE:</b>		Yeso Forn		20		stimated	@		4,000'	ft TVD	HORIZONTAL	х	WORKOVER	
REMARKS:				- Eddy Count		sumateu	e		4,000		nomeonne	REVIEWED		DM
		Loco milo	110,000	Eddy Could	<i>,</i> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								211	2
	INTAN	GIBLE DRI	LLING	COSTS			1	D	RILLING		COMPLETION		SUPPLE	MENTAL
1-00		** IDC - DR					1							
1-00	Rig Diese			ur ···					\$27,200			_		
1-02	Rig Renta								\$22,500					
1-04		Constructio	m						\$21,250					
1-05	Drilling Ir								\$5,000				-	
1-06	Permits								\$12,000					
1-07		ion / Regulat	tory Fee	S					\$15,000					
1-08	Survey								\$7,500					
1-10	Right-of-	Way							\$10,000	)				
1-12	Pit Lining								\$0	)				
1-14	Trucking								\$17,730	)				
1-16	Air / Gas	Services							\$0	)				
1-18	Supervisio						]		\$36,000	)				
1-19	Drilling O						]		\$25,000					
1-20		ization / Der		tion					\$17,708					
1-22		lerreamers, E							\$35,000			4		
1-23		ıl Tools & Sı		on				L	\$93,000			4		
1-24		Rental / Supe							\$0			4		
1-25		lug / Squeeze							\$0					
1-26		lud & Transp	portation	1					\$25,000					
1-27	Mud Dies								\$0					
1-28		ging & Geo-s	steering						\$15,000		-			
1-29	Mud Rem								\$45,000					
1-30		g & BHA Re	ental						\$7,500					
1-31	Coring	Trate							\$0			_		
1-32	Drill Sten	Tests Daywork Dri	These						\$0 \$0					
1-34		days	uung @	\$13,333	/ day				\$176,580					
1-34		ews, PU & L		\$15,555	/ uay				\$170,580			_		
1-38		ool Rentals							\$15,000					
1-30		Mousehole /	Conduc	tor					\$18,500					
1-42		resh / Brine	conduc						\$50,000				-	
1-43		ter / Mud Di	isposal						\$5,000					
1-44		rol Equipme							\$0					
1-46	Trash Tra								\$2,000	)				
1-48		ipe Cementin	ıg						\$15,000	)				
1-50		ate Pipe Cem							\$0					
1-51		r Ser. (Roust		Testor, etc.)					\$24,063					
1-52		n Casing Cer							\$35,000	)				
1-56	Open-Hol	e Logging		OH Logs &	core proc	cessing			\$0	)				
1-58	Drilling C	ontingencies							\$97,560	)				
1-60	Surface D								\$3,750					
1-62		Head & Expe							\$2,500					
1-64		eous Drilling							\$10,000					
1-66		During Drillin						L	\$3,500			4		
1-68		eous Equipm						L	\$37,500			4		
1-70	Centralize	rs & Float E	quipmer	nt			1		\$26,000	)		_		
T	OTAL INT	ANGIBLE I	DRILLI	NG COSTS:					\$959,341		\$0			
										_		_		
	TANG	IBLE DRILI	LING C	OSTS:				D	RILLING		COMPLETION		SUPPLE	MENTAL
2-00		** IDC - DF	RILLIN	G **			1							
UBULAR G							i			ī		Ŧ		
CDULAR O	Size	Grade	Weigh		Length		1	1						
2-02	9-5/8"	J-55	36.00		1250		1	<u> </u>	\$22,295	1		-		
2-02	2 5/0	• • • •	20.00	Line	1250			<u> </u>	\$99,760			1		
2-06	7"	L-80	32.00	BT&C	4100				\$80,000					
	5-1/2"		20.00		6100				\$00,000					
RILLING - S							1		\$0 \$0					
2-10	Casinghea						1		\$10,000					
2-12		ger & Packe	r				1		\$0					
2-14		e Packers and		es			1		\$0			1		
2-16	Miscellan						1		\$0			1		
2-18	Flowline a						1		\$0					
		NCIDIED					i	r	\$212.055	=		=	-	

\$0 \$212,055

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**\$0** 

TOTAL TANGIBLE DRILLING COSTS:



LEASE: LOCATION: DBJECTIVE: REMARKS:	SHL BHL	Santana Sta 1,245'	te Com 20 FSL	)CD 200'	FWL		WELL NO.	002H			FIELD:	Lo	co Hills	AFE #: 801	DATE:	1/15/202
DBJECTIVE: REMARKS:			FSL	200	FWL.											1
REMARKS:	BHL	1.0521	FSL	20'	FWL		Section		21 20		17S-28E	PROPOS VERTIC		9,415'	ft (MD) RE-ENTRY	
REMARKS:		1,853' Yeso Form		20		Estimated	Section @		4,000'		17S-28E ft TVD	HORIZO		X	WORKOVER	
				ddy County		Simateu	e		4,000	21	n ivb	nomizo		REVIEWED		DM
					,											
1	INTANGIE	LE COMPI	LETION C	COSTS:				1	DRILLING			COM	PLETION		SUPPLE	MENTAL
3-00	*:	IDC - CO	MPLETIC	)N **												
3-02	Acidizing												\$0	7		
	Fracturing												\$700,000			
	Perforating							-					\$90,000			
3-08	Cased Hol												\$5,000			
3-10	CO2 / Boo											-	\$16,000			
		/ Electrical S	Services										\$5,000			
	Equipment												\$5,000			
		otties, Lights	, Trash Tra	ailers									\$7,500			
	Frac Tank												\$11,000	_		
	Restore Lo							-					\$8,333	_		
3-20	Right - Of												\$6,311	_		
	Roustabou	gs/Bridge P	hans										\$35,005 \$21,000	_		
3-23	Supervisio		lugs										\$9,000	-		
		overhead											\$10,500			
	Trucking	. Sternoud											\$20,000	1		
		sfer- 10", P	oly, Fill Pit										\$25,000	1		
		ling - Fresh											\$457,200	]		
3-29	SW Dispos	al- Hauling,	Paid Dispo	osal, Poly									\$150,000			
	Slickline W												\$0			
	Technical I												\$15,000	_		
3-32		hit / Power S	wivel										\$30,000	_		
	Trucking-												\$0	_		
		n Rig / Dayw		\$7,600	,	dan							\$0			
3-34 3-36	4.0 Anchors	days	@	<u>\$7,000</u>	/	day		-					\$30,000 \$2,500	_		
		Inde-reamer	s Etc					-				-	\$2,300			
	Coiled Tub		5, Ltc.					-					\$0,000	-		
3-42		n Fluids - Mi	id. Etc.										\$5,000			
	DH Tool F												\$12,000			
	Fishing To							-					\$0			
		ting & Inspe	ection										\$6,000			
				E, Frac Stac	k, Lubric	ator							\$95,000			
3-52	Well Testin	g Equipmer	t & Labor										\$5,000			
		ous Complet											\$5,000			
3-56	Contingen	ies Complet	ion										\$159,151			
TOT	AL INTAN	GIBLE CO	<b>MPLETIC</b>	ON COSTS:									\$1,951,501			
	TANCIDI	E COMPLI	TION CO	OCTC.					DRILLING			COM	PLETION	7	SUPPLE	AENTAL
									MILLING			COM	LEHON	-	JUITER	<u>almial</u>
4-00		IDC - CON	APLETIO	N **										4		
	Tubing												\$20,000	_		
	Packers												\$0	_		
	Plugs Plagt Jaint							<b> </b>					\$0	-	<b> </b>	
4-06 4-08	Blast Joint Miscellane		ion Ecuir	mont									\$0 \$6,000	-		
4-08 4-09		ous Complet ntal Equipm		nem									<u>\$6,000</u> \$0	-		
		ntal Equipm											<u>\$0</u> \$0	-		
		n Equipmen						<u> </u>					\$0 \$0	1	-	
		quipment -		tc.									\$0	1		
4-15		n Equipment											\$0	1		
		Fransfer Pur											\$0			
4-18	Meter & N												\$0			
	Salt Water												\$0			
	Production												\$0			
4-24		Equipment											\$0	_		
4-26	Pump							<b> </b>					\$175,000	-		
	Pumping U												\$0	-		
	Rod String												\$0	-		
4-32	Tubing He		ann llo					<b> </b>					\$10,000	-	L	
		uges and Mi ift and Acce		5									\$3,050 \$5,000	-		
	Flowline	in and Acce	ssorres										\$5,000	-		
		IDI TO TO	DI STAT	1.000				<u> </u>						L	<u> </u>	
TO	TAL TAN	IBLE COM	PLETION	V COSTS:								L	\$232,123	<u> </u>	<u> </u>	
OTAL DRILL	ING COST								\$1,17	1,396						
OTAL COMP	LETION C	OST											\$2,183,623			
				2007								**		-		
<b>OTAL CO</b>	UMPLI	CTED W	ELL C	JOST								\$3,	355,019			
pproved by	:															

Day of

Title:

Signed this

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<b>OPERATOR:</b>		Longfellov												
EASE:		Santana St					WELL NO.	003H		FIELD:	Loco Hills	AFE #: 802	DATE:	1/15/202
OCATION:	SHL	1,220'	FSL	200'	FWL		Section		21	17S-28E	PROPOSED TD:	9,015'	ft (MD)	
	BHL	1,403'	FSL	20'	FWL		Section		20	17S-28E	VERTICAL		RE-ENTRY	
BJECTIVE:		Yeso Forn		EUL G		stimated	@		3,600'	ft TVD	HORIZONTAL	X	WORKOVER	
EMARKS:		Loco Hills	Project -	Eddy County	, NM							REVIEWED	BY:	DM
				LOCTTC.			1		<b>NULLING</b>	-	COMPLETION	_	CUDDI D	
		GIBLE DRI					1	D	RILLING		COMPLETION		SUPPLE	MENTAL
1-00		** IDC - DR	RILLING	**										
1-02	Rig Diese								\$27,200			_		
1-03	Rig Renta								\$22,500			_		
1-04		/ Constructio	on				-		\$21,250					
1-05	Drilling I	nsurance							\$5,000			_		
1-06	Permits								\$12,000					
1-07		nion / Regula	tory Fees						\$15,000			_		
1-08	Survey								\$7,500			_		
1-10	Right-of-								\$10,000			_		
1-12		/ Fences							\$(			_		
1-14	Trucking								\$17,730					
1-16	Air / Gas								\$(			_		
1-18	Supervisi						4	<u> </u>	\$36,000			4		
1-19	Drilling C		1.00					<u> </u>	\$25,000					
1-20		lization / Der		on			4		\$17,708					
1-22		derreamers, E						<u> </u>	\$35,000					
1-23		al Tools & Si		1					\$93,000		-	_		
1-24		Rental / Supe							\$0		-	_		
1-25		lug / Squeeze					-		\$0			_		
1-26		1ud & Transp	portation				-		\$25,000			_		
1-27	Mud Dies						-		\$15.000			_		
1-28		ging & Geo-s	steering				-		\$15,000			_		
1-29	Mud Ren	ig & BHA Re	antal				•		\$45,000 \$7,500			_		
1-30		IG & BHA K	entai				-		\$7,500			_		
1-31 1-32	Coring Drill Ster	Tests					•		<u> </u>			_		
1-32							•		\$( \$(			_		
1-34		Daywork Dri days	ming @	\$12 222	/ day				\$176,580					
1-34		rews, PU & I	-	\$13,333	/ day		•		\$170,380			_		
1-30		ool Rentals	J				-		\$15,000			-		
1-38		Mousehole /	Conducto	or			-		\$18,500			-		
1-40		resh / Brine	Conducto	51			-		\$18,500			-		
1-42		ater / Mud Di	ienocal				-		\$5,000			-		
1-43		trol Equipme							\$3,000			-		
1-44	Trash Tra		m						\$2,000			-		
1-40		ipe Cementin	nσ						\$15,000			-		
1-50		ate Pipe Cen							\$15,000			-		
1-51		or Ser. (Rous		estor etc.)					\$24,063				-	
1-52		on Casing Cer							\$35,000				-	
1-56		le Logging	B	OH Logs &	Core proc	essing	1	<u> </u>	\$00,000			-		
1-58		Contingencies			proc		1	<u> </u>	\$97,560			-		
1-60	Surface I						1		\$3,750			1		
1-62		Head & Expe	endables				1		\$2,500			1		
1-64		eous Drilling					1		\$10,000			7		
1-66		During Drillir					1		\$3,500					
1-68		eous Equipm		ıls			1		\$37,500			7		
1-70		ers & Float E					1		\$26,000			7		
		ANGIBLE I					1	<u> </u>	\$959,341		\$0	7	· · · · · · · · · · · · · · · · · · ·	
1				<del></del>			1	L	φ,ττ,,341	_	φι	<u> </u>	L	
	TANG	IBLE DRIL	LING CO	STS:			1	D	RILLING		COMPLETION		SUPPLE	MENTAL
2.00	1	** IDC - DF					1			=		4		
2-00	<u> </u>						]	<u> </u>		4		4		
UBULAR G							-	1				1	1	
	Size	Grade	Weight		Length		4	L		_		_		
2-02	9-5/8"	J-55	36.00	LT&C	1250			<u> </u>	\$22,295			4		
2-04								L	\$99,760			_		
2-06	7"	L-80	32.00	BT&C	4100			<b> </b>	\$80,000					
		L-80	20.00	BT&C	6100			L	\$0			4		
RILLING - S			NT				-	<b> </b>	\$(					
2-10	Casinghe							L	\$10,000			4		
2-12		iger & Packe					-	<b> </b>	\$(					
2-14		le Packers an	d Sleeves					L	\$0			4		
2-16	Miscellan							L	\$0			4		
2-18	Flowline						J	<u> </u>	\$0			_		
	TOTIT	NCIDIED			_		1	<b></b>	¢313.055					

\$0 \$212,055

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**\$0** 

TOTAL TANGIBLE DRILLING COSTS:



		Longfellow												
LEASE:		Santana St				-	WELL NO.	003H		FIELD:	Loco Hills	AFE #: 802	DATE:	1/15/202
LOCATION:	SHL BHL	1,220' 1,403'	FSL FSL	200'	FWL FWL		Section Section		21 20	17S-28E 17S-28E	PROPOSED TD: VERTICAL	9,015'	ft (MD) RE-ENTRY	
OBJECTIVE:		Yeso Form		20		Estimated	@		3,600'	ft TVD	HORIZONTAL	Х	WORKOVER	
REMARKS:				Eddy County		Estimateu	e		3,000	IL IVD	HOMEONTIL	REVIEWED		DM
					,									
	INTANGI	<b>BLE COMP</b>	LETION C	COSTS:				DI	RILLING	]	COMPLETION		SUPPLEM	<b>MENTAL</b>
3-00	*	* IDC - CO	MPLETIC	ON **						1		7		
3-02	Acidizing									1	\$0	1		
3-04	Fracturing									1	\$700,000			
3-06	Perforatin										\$90,000	1		
3-08	Cased Hol	e Logging									\$5,000			
3-10	CO2 / Boo										\$16,000			
3-12		/ Electrical	Services								\$5,000			
3-14	Equipmen										\$5,000			
3-15		otties, Lights	s, Trash Tr	ailers						-	\$7,500	-		
3-16	Frac Tank									4	\$11,000	-	-	
3-18 3-20	Restore Lo Right - Of									-	\$8,333 \$6,311	-		
3-20	Right - Of Roustabou									1	\$35,005	-		
3-22		ugs/Bridge F	luge							1	\$33,003	-		
3-24	Supervisio		lugs								\$9,000	-		
3-25		n Overhead								1	\$10,500	1		
3-26	Trucking									1	\$20,000	1		
3-27		nsfer- 10", P	oly, Fill Pit	t						1	\$25,000	]		
3-28	Water Hau	ling - Fresh								]	\$457,200			
3-29		sal- Hauling,	Paid Disp	osal, Poly						1	\$150,000	1		
3-30	Slickline V										\$0			
3-31	Technical									-	\$15,000	-		
3-32		nit / Power S Kill Truck	swivel							-	\$30,000	-		
3-33		n Rig / Dayv	u o al c							-	\$0 \$0	-		
3-34	4.0	days	@	\$7,600		/ day					\$30,000			
3-36	Anchors	aays	e	<u>\$1,000</u>		uuy				1	\$2,500	-		
3-38		Jnde-reamer	s, Etc.							1	\$5,000	1		
3-40	Coiled Tu									1	\$0	1		
3-42	Completio	n Fluids - M	ud, Etc.								\$5,000			
3-44	DH Tool I	Rental									\$12,000			
3-46	Fishing To										\$0			
3-48		sting & Insp									\$6,000			
3-50				PE, Frac Stac	ck, Lubric	cator					\$95,000			
3-52		ng Equipmer								-	\$5,000	-		
3-54 3-56		ous Complet cies Complet								-	\$5,000 \$159,151	-		
		_								1		4		
<u>T01</u>	TAL INTAI	GIBLE CO	MPLETIC	ON COSTS:						]	\$1,951,501	1		
	TANGIB	LE COMPL	ETION CO	OSTS:				DI	RILLING	1	COMPLETION		SUPPLEM	<b>IENTAL</b>
4-00		IDC - COI								ī		1		
4-01	Tubing									1	\$20,000	4		
4-01	Packers									-	\$20,000	-		
4-04	Plugs										\$0	-		
4-06	Blast Joint										\$0			
4-08		ous Complet	tion Equip	ment						1	\$6,000	1		
4-09		ntal Equipm								]	\$0			
4-10	Compress	on Equipme	nt							]	\$0			
4-12		on Equipmen						L		1	\$0	4		
4-14	Electrical	Equipment -	Motors, E	tc.						4	\$0			
4-15		n Equipment								-	\$0			
4-16		Transfer Pu	np							4	\$0			
4-18	Meter & M									1	\$0			
4-20 4-22	Salt Water Production									-	\$0 \$0			
4-22 4-24		Equipment								1	\$0			
4-24 4-26	Pump	Squipment						<u> </u>		1	\$175,000	1		
4-28	Pumping U	Jnit								1	\$175,000	1		
4-30	Rod String									1	\$0			
4-32	Tubing He									1	\$10,000	1		
4-34	Valves, G	uges and M		IS						]	\$3,050			
		ift and Acce	ssories							]	\$5,000			
4-38	Flowline									]	\$13,072			
4-40	TAL TAN	GIBLE COM	<b>IPLETIO</b>	N COSTS:						]	\$232,123			
4-40	TAL IAN						İ	1	\$1,171,396	1		-		
4-40 <b>TO</b>		n						L	ψ1,171,370	L	¢2 192 (22	7		
4-40 TO TAL DRILL	LING COS													
4-40	LING COS										\$2,183,623			
4-40 TO OTAL DRILL OTAL COMP	LING COST PLETION C	OST	VELL (	COST								]		
4-40 TO OTAL DRILL	LING COST PLETION C	OST	VELL (	COST							\$3,355,019	]		
4-40 TO DTAL DRILL DTAL COMP	LING COST PLETION C COMPL	OST	VELL (	COST								]		

Day of

Title:

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OPERATOR: LEASE:		Longfellov Santana St				WELL NO.	00411	FIELD:	Loco Hills	AFE #: 803	DATE:	1/15/2021
LEASE: LOCATION:	SHL	1,195'	FSL	2000	FWL of	Section	21	17S-28E	PROPOSED TD:	9,415'	ft (MD)	1/13/2021
LOCATION.		1,008'	FSL	200	FWL of	Section	20	175-28E	VERTICAL	7,415	RE-ENTRY	
<b>OBJECTIVE:</b>		Yeso Form			Estimated	@	4,000'	ft TVD	HORIZONTAL	Х	WORKOVER	
REMARKS:				Eddy County,	, NM					REVIEWED	BY:	DM
										_		
	INTANG	BLE DRI	LLING C	OSTS			DRILLING		COMPLETION		SUPPLE	<b>IENTAL</b>
1-00		IDC - DR	ILLING	**								
1-02	Rig Diesel						\$27,200			_		
1-03 1-04	Rig Rentals Location / C						\$22,500 \$21,250			-		
1-04	Drilling Insu		11				\$5,000			-		
1-05	Permits	nunce					\$12,000			-		
1-07	Title Opinio	n / Regulat	tory Fees				\$15,000					
1-08	Survey						\$7,500					
1-10	Right-of-W						\$10,000			_		
1-12	Pit Lining /	Fences					\$0			-		
1-14 1-16	Trucking Air / Gas Se	rvices					\$17,730 \$0			-	-	
1-10	Supervision						\$36,000			-		
1-19	Drilling Ove						\$25,000	1		1		
1-20	Rig Mobiliz	ation / Den		on			\$17,708					
1-22	Bits / Under						\$35,000			4	<u> </u>	
1-23	Directional			l			\$93,000			4		
1-24 1-25	Hammer Re Cement Plu						\$0 \$0			-		
1-25	Drilling Mu						\$0			-		
1-27	Mud Diesel						\$0			-		
1-28	Mud Loggii	ng & Geo-s	steering				\$15,000					
1-29	Mud Remed						\$45,000					
1-30	Drill String	& BHA Re	ental				\$7,500			_		
1-31 1-32	Coring Drill Stem 7	Pacto					\$0 \$0			-		
1-32	Contract Da		lling				\$0			-		
1-34		days	@	\$13,333	/ day		\$176,580					
1-36	Casing Crev	vs, PU & L	.D				\$15,000					
1-38	Fishing Too						\$0					
1-40	Rathole / M		Conducto	r			\$18,500			_		
1-42	Water - Fre Waste Wate		ienosal				\$50,000 \$5,000			_		
1-43 1-44	Well Contro						\$3,000			-		
1-46	Trash Traile						\$2,000			-		
1-48	Surface Pipe	e Cementin	ıg				\$15,000					
1-50	Intermediate						\$0					
1-51	Contractor			estor, etc.)			\$24,063			_		
1-52 1-56	Production Open-Hole		nenting	OH Logo &	Core processing		\$35,000 \$0			-		
1-58	Drilling Cor			Off Logs &	Core processing		\$97,560			-		
1-60	Surface Dar						\$3,750	1		1		
1-62	Rotating He	ad & Expe					\$2,500	1				
1-64	Miscellaneo						\$10,000			_		
1-66	Welding Du			L.			\$3,500			4		
1-68 1-70	Miscellaneo Centralizers			15			\$37,500 \$26,000			-		
	OTAL INTA			C COSTS.				1	φA	4		
	JIAL INIA	NOIBLE L	MILLIN	0 00313:			\$959,341	I	\$0	_	L	
	TANGIB	LE DRILI	LING CO	STS:			DRILLING	1	COMPLETION		SUPPLE	<b>MENTAL</b>
2-00		· IDC - DR						İ		Ŧ		
TUBULAR GO								1		=		
		Grade	Weight	Thread	Length							
2-02		J-55	36.00	LT&C	1250		\$22,295	1				
2-04							\$99,760			_		
2-06		L-80	32.00	BT&C	4100		\$80,000			4		
DDILLING G	5-1/2"		20.00	BT&C	6100		\$0			-		
DRILLING - S 2-10	Casinghead		INT .				\$0 \$10,000			-		
2-10	Liner Hange		r				\$10,000			-		
2-12	Open Hole						\$0	1		-		
2-16	Miscellaneo						\$0	1				
2-18	Flowline &	Valves					\$0					
1	TOTAL TAN	GIBLE DI	<u>RILLIN</u> G	COSTS:			\$212,055	]	\$0			

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		Longfellow												
LEASE:		Santana St					WELL NO.	004H		FIELD:	Loco Hills	AFE #: 803	DATE:	1/15/202
LOCATION:	SHL BHL	1,195' 1,008'	FSL FSL	200'	FWL FWL		Section Section		21 20	17S-28E 17S-28E	PROPOSED TD: VERTICAL	9,415'	ft (MD) RE-ENTRY	
OBJECTIVE:		Yeso Form		20		Estimated	@		4,000'	ft TVD	HORIZONTAL	Х	WORKOVER	
REMARKS:				Eddy County		Estimateu	e		4,000	II IVD	nonizonniz	REVIEWED		DM
					,									
	INTANGI	BLE COMP	LETION C	COSTS:				D	RILLING		COMPLETION		SUPPLEN	<b>IENTAL</b>
3-00	*	* IDC - CO	MPLETIC	ON **								7		
3-02	Acidizing										\$0	Ŧ		
3-04	Fracturing										\$700,000			
3-06	Perforatin										\$90,000			
3-08	Cased Hol	e Logging									\$5,000			
3-10	CO2 / Boo										\$16,000			
3-12		/ Electrical	Services								\$5,000			
3-14	Equipmen										\$5,000			
3-15		otties, Lights	s, Trash Tr	railers						_	\$7,500	-		
3-16	Frac Tank Restore Lo									-	\$11,000 \$8,333	-		
3-18 3-20	Right - Of							-			\$6,311	-		
3-20	Roustabou										\$35,005	-		
3-23		ugs/Bridge H	lugs								\$21,000	1		
3-24	Supervisio										\$9,000			
3-25	Completio	n Overhead									\$10,500			
3-26	Trucking										\$20,000			
3-27		nsfer- 10", P		t						_	\$25,000			
3-28		ling - Fresh								-	\$457,200			
3-29		sal- Hauling,	Paid Disp	osal, Poly						-	\$150,000			
3-30 3-31	Slickline V Technical									-	\$0 \$15,000			
3-31 3-32		nit / Power S	Swivel							-	\$15,000 \$30,000			
3-32		Kill Truck	JWIVCI								\$30,000			
5 55		n Rig / Dayv	vork								\$0			
3-34	4.0	days	@	\$7,600		/ day					\$30,000			
3-36	Anchors										\$2,500			
3-38		Unde-reamer	rs, Etc.								\$5,000			
3-40	Coiled Tu									_	\$0	_		
3-42		n Fluids - M	ud, Etc.							_	\$5,000			
3-44 3-46	DH Tool I Fishing To										\$12,000			
3-40		sting & Insp	ontion							_	\$6,000			
3-48				PE, Frac Stac	k Lubric	rator				-	\$95,000			
3-52		ng Equipmer				ator					\$5,000			
3-54		ous Comple									\$5,000			
3-56	Contingen	cies Comple	tion								\$159,151			
ТОТ	TAL INTAI	IGIBLE CO	<b>MPLETIC</b>	ON COSTS:						1	\$1,951,501	1		
	TANGID		ETION C	0.077.0					DILLING	-		-	CUDDI EI	
		LE COMPL							RILLING		COMPLETION	<mark>_</mark>	SUPPLEN	IENIAL
4-00	**	IDC - CO	MPLETIC	DN **										
4-01	Tubing										\$20,000			
4-02	Packers									_	\$0			
4-04	Plugs									_	\$0			
4-06 4-08	Blast Joint Miscelland		tion Emile	mont						-	\$0 \$6,000			
4-08 4-09		ous Comple ental Equipm		ment						-	\$6,000			
4-09 4-10		on Equipme						<u> </u>		-	\$0			
4-10		on Equipmer									\$0			
4-14		Equipment -		tc.							\$0			
4-15		n Equipmen								]	\$0			
4-16	Injection /	Transfer Pu									\$0			
4-18	Meter & M					-				_	\$0			
4-20	Salt Water							L		_	\$0			
4-22	Production							<u> </u>		-	\$0			
4-24		Equipment								-	\$0			
4-26 4-28	Pump Pumping U	Init								-	\$175,000 \$0			
4-28	Rod String							<u> </u>		-	\$0			
4-32	Tubing He										\$10,000			
4-34		uges and M	iscellaneou	15						1	\$3,050	1		
		ift and Acce								1	\$5,000	1		
4-38	Flowline										\$13,072			
4-38 4-40	TAL TAN	<b>GIBLE CON</b>	<b>IPLETIO</b>	N COSTS:							\$232,123	7		
4-40								<u> </u>	\$1,171,396	ī		-	i i	
4-40 <b>TO</b>								<u> </u>	<i>\$1,1/1,39</i> 0	1	\$2,183,623	٦		
4-40 TO OTAL DRILL	LING COS													
4-40	LING COS										\$2,103,023			
4-40 TO OTAL DRILL OTAL COMP	LING COST PLETION C	OST	VELL (	COST								]		
4-40 TO OTAL DRILL	LING COST PLETION C	OST	VELL (	COST							\$3,355,019	]		
4-40 TO DTAL DRILL DTAL COMP	LING COST PLETION C COMPL	OST	VELL (	COST								]		

Day of

Title:

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OPEDATOR		Longfello	w Erer	. ID									
OPERATOR: LEASE:							WELLNO	00511	FIFT D.	Less IElls	AFE #. 904	DATE	1/15/202
		Santana S					WELL NO.	005H	FIELD:	Loco Hills	AFE #: 804	DATE:	1/15/202
LOCATION:	SHL	1,170'	FSL	200'	FWL	of	Section	21	17S-28E	PROPOSED TD:	9,015'	ft (MD)	_
	BHL	612'	FSL	20'	FWL	of	Section	20	17S-28E	VERTICAL		RE-ENTRY	
<b>DBJECTIVE:</b>		Yeso For				stimated	@	3,600'	ft TVD	HORIZONTAL	X	WORKOVER	
REMARKS:		Loco Hill	s Project	- Eddy County	y, NM						REVIEWED	BY:	DM
	INTAN	GIBLE DRI	ILLING	COSTS				DRILLING		COMPLETION		SUPPLE	MENTAL
1-00		* IDC - DI	RILLINO	G **									
1-02	Rig Diese							\$27,20	0				
1-03	Rig Renta							\$22,50					
1-04		Construction	on				_	\$21,25			_		
1-04	Drilling In						-	\$5,00			-		
1-05	Permits	isurance					_	\$12,00			_		
1-00		ion / Regula	tom: Eas				-	\$15,00			_	-	
		ion / Regula	nory ree	8			-				_		
1-08	Survey	x7						\$7,50			_		
1-10	Right-of-						_	\$10,00			_		
1-12	Pit Lining	/ Fences							0		_		
1-14	Trucking							\$17,73					
1-16	Air / Gas								0				
1-18	Supervisi							\$36,00					
1-19	Drilling C	verhead						\$25,00	0				
1-20	Rig Mobi	lization / De	mobilizat	tion				\$17,70	8				
1-22	Bits / Uno	lerreamers, l	Etc.					\$35,00	0				
1-23	Direction	al Tools & S	upervisio	on				\$93,00	0				
1-24		Rental / Sup							0				
1-25		lug / Squeez							0				
1-26		lud & Trans		1				\$25,00					
1-27	Mud Dies								0				
1-28		ging & Geo-	steering					\$15,00					
1-20	Mud Ren		steering				-	\$45,00			-		
1-29		g & BHA R	ontol				-	\$7,50			-		
		g & BIIA K	entai				_		0		_		
1-31	Coring	Trate					_				_		
1-32	Drill Sten								0		_	-	
		Daywork Dr							0				
1-34		days	@	\$13,333	/ day			\$176,58			_		
1-36		ews, PU & I	LD				_	\$15,00				-	
1-38		ool Rentals							0				
1-40		Mousehole /	/ Conduc	tor				\$18,50	0				
1-42		resh / Brine						\$50,00	0				
1-43	Waste Wa	ter / Mud D	Disposal					\$5,00	0				-
1-44	Well Con	rol Equipme	ent					\$	0				
1-46	Trash Tra	iler						\$2,00	0				
1-48	Surface P	ipe Cementi	ng					\$15,00	0				
1-50		ate Pipe Cer							0				
1-51				Testor, etc.)				\$24,06					
1-52		n Casing Ce						\$35,00				-	
1-52		e Logging		OH Logs &	Core prov	ressing			0		-1	<u> </u>	
1-58		ontingencies		On Logs &	. Core prot	Loong	F	ء \$97,56			-		
1-58	Surface D							\$3,75			-		
			ondehler				–						
1-62		Head & Exp						\$2,50			-		
1-64		eous Drilling						\$10,00			_		
1-66		During Drilli					I –	\$3,50					
1-68		eous Equipn						\$37,50			_		
1-70	Centralize	rs & Float E	quipmer	nt			L	\$26,00					
T	OTAL INT	ANGIBLE	DRILLI	NG COSTS:				\$959,34	l	\$0			
									_		_		
	TANG	IBLE DRIL	LING C	OSTS:				DRILLING		COMPLETION		SUPPLE	MENTAL
2-00		** IDC - D							=		-		
									=	L	4		
UBULAR G					T							1	
	Size	Grade	Weigh		Length				-		_		
2-02	9-5/8"	J-55	36.00	LT&C	1250			\$22,29			_		
2-04								\$99,76			_		
2-06	7"	L-80	32.00		4100			\$80,00					
	5-1/2"	L-80	20.00	BT&C	6100			\$	0				
RILLING - S			ENT						0				
2-10	Casinghea							\$10,00					
2-12		ger & Packe	er						0				
2-14		e Packers ar		s					0				
2-14	Miscellan			-					0		-1	<u> </u>	
2-10	Flowline								0		-1	<u> </u>	
2 10								¢	~		=		

\$0 **\$212,055** 

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**\$0** 

TOTAL TANGIBLE DRILLING COSTS:



<b>OPERATOR:</b>		Longfelle	ow Energy,	LP											
LEASE:			State Com 2				WELL NO.	005H		FIELD:	Loco H	ills	AFE #: 804	DATE:	1/15/202
LOCATION:	SHL	1,170'		200'	FWL	of	Section	21		17S-28E	PROPOSED	ГD:	9,015'	ft (MD)	
ODIECTIVE	BHL	612'	FSL	20'	FWL		Section	20		17S-28E	VERTICAL		v	RE-ENTRY	
OBJECTIVE: REMARKS:		Yeso For		Eddy County		stimated	@	3,600'		ft TVD	HORIZONT	L	X REVIEWED	WORKOVER BV·	DM
nin ning.		Loco III	is i roject	Eddy County.									RETIETED	<b>D</b> 1.	Dim
	INTANGIB	LE COM	<b>PLETION</b>	COSTS:				DRILLIN	/ <b>G</b>		COMPLE	TION		SUPPLEM	<b>IENTAL</b>
3-00	*:	IDC - C	OMPLET	ION **											
3-02	Acidizing											\$0			
3-04	Fracturing											\$700,000			
3-06	Perforating											\$90,000			
3-08	Cased Hole											\$5,000			
3-10	CO2 / Boo Electrician		1 Comiloso									\$16,000 \$5,000			
3-12 3-14	Equipment		ii Services									\$5,000			
3-15			hts, Trash T	railers								\$7,500			
3-16	Frac Tank	Rentals										\$11,000			
3-18	Restore Lo											\$8,333			
3-20	Right - Of											\$6,311			
3-22 3-23	Roustabou Cement Plu		Dhuss									\$35,005 \$21,000			
3-23	Supervision		riugs									\$9,000			
3-25	Completion		d									\$10,500			
3-26	Trucking											\$20,000			
3-27			Poly, Fill P	lit								\$25,000			
3-28	Water Hau											\$457,200			
3-29 3-30	SW Dispos Slickline W		ig, Paid Dis	posai, Poly								\$150,000 \$0			
3-30 3-31	Technical I											\$0 \$15,000			
3-32	Reverse U		r Swivel									\$30,000			
3-33	Trucking-											\$0			
	Completion											\$0			
3-34	<u>4.0</u>	days	@	<u>\$7,600</u>	/ c	lay						\$30,000			
3-36 3-38	Anchors Drill bits, U	Inde-ream	ers Etc									\$2,500 \$5,000		-	
3-40	Coiled Tub		cis, Lic.									\$0			
3-42	Completion		Mud, Etc.									\$5,000			
3-44	DH Tool R											\$12,000			
3-46	Fishing To											\$0			
3-48	Tubing Tes			DE Esse Coss	In Taskalan							\$6,000			
3-50 3-52			ient & Labo	PE, Frac Stac	k, Lubrica	tor						\$95,000 \$5,000		-	
3-54	Miscellane			1								\$5,000		-	
3-56	Contingend											\$159,151			
TOT	AL INTAN	GIBLE C	COMPLETI	ON COSTS:							<b>\$1</b> ,	951,501			
	TANCIDI	FCOMP	LETION C	OCTC.				DRILLIN	IC.		COMPLE	TION		SUPPLEN	AENTAI
1.00								DKILLI	i G		COMFLE			SUFFLEM	IENIAL
4-00		IDC - CO	OMPLETI	ON **								A			
4-01 4-02	Tubing Packers											\$20,000 \$0			
4-02 4-04	Plugs											\$0 \$0			
4-06	Blast Joint											\$0			
4-08			letion Equip	oment								\$6,000			
4-09	Environme											\$0			
4-10	Compressi											\$0 \$0			
4-12 4-14	Dehydratio Electrical E		ent - Motors, I	Etc								\$0 \$0			
4-14 4-15	Electrical E Automatio			L.L.								\$0 \$0			
4-15	Injection /											\$0 \$0			
4-18	Meter & N											\$0			
4-20	Salt Water											\$0			
4-22	Production											\$0 \$0			
4-24	Separation	Equipmer	nt									\$0			
4-26 4-28	Pump Pumping U	Init										\$175,000 \$0			
4-28	Rod String											\$0 \$0			
4-32	Tubing He											\$10,000			
4-34	Valves, Ga	uges and l	Miscellaneo	us								\$3,050			
4-38	Artificial L	ift and Ac	cessories									\$5,000			
4-40	Flowline											\$13,072			
ТО	TAL TAN	GIBLE CO	<b>MPLETIC</b>	ON COSTS:							\$	232,123			
TOTAL DRILL	ING COST	•						\$1	,171,396						
TOTAL COMP	LETION C	OST									\$2,	183,623			
TOTAL			WEIT	COST											
TOTAL C	UMPLI		WELL	CUSI							\$3,355	,019			
Approved by	:														
opproved by	•														
Company:															

Day of

Title:

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$ \begin{array}{  c                                  $	ODEDATOR	Lonofellou Energy J.D.	-						
OATMON         SILE         1/12         File         <			WELL NO	00411	FIEL D.	Loop Hills	A EE #. 905	DATE.	1/15/202
INI.         INI.         INI.         INI.         INI.         INI.         INI.         INI.         REMARKS         REMARKS <thremarks< th=""> <thremarks< th=""> <thremarks< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>1/15/202</th></thremarks<></thremarks<></thremarks<>									1/15/202
BRCTUPE: Yee Venname A province of the Venn	OCATION:						9,415		
EXAMES         Loss line Paget - Galy Courty, NM         DM         EVENUE NY         DM           Image: Construction of the Courty of the C	DIECTIVE.						v		
UPANARY CONTACT         DEFECTION         STPERMINING           140         ** INC - DRULING **         \$57.00         \$57.00           141         Location - Controls - Control			<u>w</u>	4,000	IL IVD	HORIZONTAL			
1400         ** IDC - DRLLING **           1630         Bg Bends         332,500           1641         Logano Commution         312,500           1642         Bg Bends         312,500           1643         Bg Bends         312,500           1644         Logano Commution         312,500           1645         Defines Togalance France         315,500           1646         Defines Togalance France         315,500           1647         Bac Queeness         355,000           1648         Defines Togalance France         355,000           1649         Defines Togalance France         355,000           1640         Defines Togalance France         355,000           1641         Machage Antoparaton         355,000           1643         Defines Togalance France         355,000           1644         Defines Togalance France         355,000           1644         Defines Togalance France         355,000	EMARKS.	Loco milis Project - Eddy County, NW					KE VIE WED	<b>D</b> 1.	Divi
1-00         ** IDC - DRLLING **           1-03         Bg Berah         372.00           1-04         Bg Berah         312.50           1-05         Bg Berah         312.50           1-06         Bg Berah         312.50           1-07         BG Dennis Traglaco Jores         312.50           1-08         Formation Traglaco Jores         312.50           1-09         Berage Antiper A		INTANGIBLE DRILLING COSTS		DRILLING		COMPLETION		SUPPLE	MENTAL
1-02     Rg Dotsl     527,200       1-03     Rg Runka     632,500       1-04     Locatina (Construction     611,200       1-04     Design Instruct     512,000       1-05     Rg Model May     515,000       1-06     Design Instruction     517,000       1-07     Rg Model May     515,000       1-10     Rg Model May     515,000       1-11     Rg Ling Fetosco     517,000       1-11     Rg Model May     515,000       1-11     Rg Model May     515,000       1-12     Datage Overland     555,000       1-13     Datage Overland     515,000       1-14     Rel Ling Fetosco     510       1-15     Sign Evaluation     100       1-16     Radio May Construction     515,000       1-17     Mai Desch     510       1-18     Sign Evaluation     510       1-19     Mai Desch     510       1-10     Data Sign Rule A Construction     510       1-10     Data Sign Rule A Construction     510       1-10     Data Sign Rule A Construction     513,000       1-10     Data Sign Rule A Construction     513,000       1-10     Data Sign Rule A Construction     513,000       1-10	1.00		7 -		=		-	berr bb	
143     Kg Ronal     52,50       144     Locar Contexton     51,00       145     Deling Ionnex     51,00       146     Regulary Fee     10,000       147     Regulary Fee     10,000       148     Regulary Fee     51,000       149     Regulary Fee     51,000       141     Tracker     51,000       142     Regulary Fee     51,000       143     Regulary Fee     51,000       144     Tracker     51,000       145     Regulary Fee     51,000       144     Tracker     51,000       145     Dentsfall     62,5000       146     Dentsfall     62,5000       147     Dentsfall     62,5000       148     Dentsfall     62,5000       149     Dentsfall     62,5000       140     Dentsfall     62,5000       141     Tracker     53,000       143     Bancer Boal / Apperiods     53,000       144     State State State     59,000       145     Dentsfall Apperiods     51,000       146     Dentsfall Apperiods     51,000       147     Mall Caping & Constate     59,000       148     State Take Real     51,000			-	\$27.200	)		_		
1-04       Earlier Constraint       22.250         1-05       Diffigurance       55.000         1-06       Fitz Optimin Regulatory Fee       51.500         1-07       Fitz Optimin Regulatory Fee       51.500         1-08       Refer and Way       50.000         1-19       Refer and Way       50.000         1-14       Tracking       51.770         1-14       Refer and Way       50.000         1-14       Specification       55.000         1-18       Refer and Way       50.000         1-19       Drifting Allow Services       50         1-20       Refer and Way       55.000         1-30       Defining Allow Services       50         1-31       Memory Return Float Services       50         1-32       Defining Mad & Transportation       55.000         1-33       Memory Return Float Services       50         1-34       Memory Return Float Services       50         1-35       Defining Mad & Transportation       55.000         1-34       Memory Return Float Services       50         1-35       Defining Mad & Transportation       55.000         1-34       Memory Return Float Services       55.000 <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>			-						
1040     Files (Specifican Regulary Free     \$12,000       1040     Files (Specifican Regulary Free     \$15,000       1041     Files (Specifican Regulary Free     \$17,000       1041     Files (Specifican Regulary Free     \$17,000       1041     Files (Specifican Regulary Free     \$17,000       1041     Big Moltanian (Free Regulary Free     \$17,000       1041     Big Moltanian (Free Regulary Free     \$17,000       1041     Big Moltanian (Free Regulary Free     \$1000       1041     Big Moltanian (Free Regulary Free     \$1000       1041     Big Moltanian (Free Regulary Free     \$1000       1041     Big Moltanian (Free Regulary Free									
100       Tab Option: Regulatory Ees       53.5001         110       Right of Way       51.5001         111       Pit Ling: Frees       51.5001         111       Right of Way       51.5001         111       Pit Ling: Frees       51.5001         111       Pit Ling: Frees       51.5001         111       Pitting: Prees       51.5001         112       Pitting: Pit	1-05	Drilling Insurance		\$5,000	)				
108     Survey     33:500       110     Rejker (Way     5000       111     Tekking     5000       112     Pel Lingy / Frees     500       114     Tasking     51:720       114     Tasking     55:000       1130     Cata Service     55:000       1140     Destruction Trank & Supervision     55:000       1130     Destruction Trank & Supervision     55:000       1131     Control Figs & Supervision     55:000       1132     Destruction Trank & Supervision     55:000       1133     Control Figs & Supervision     55:000       1134     Hammer Retail / Supervision     55:000       1135     Control Figs & Supervision     55:000       1130     Control Figs & Supervision     55:000       1131     Control Figs & Supervision     55:000       1132     Control Figs & Supervision     55:000       1133     Control Figs & Supervision     55:000       1134     Control Figs & Supervision     55:000       1135     Control Figs & Supervision     55:000       1134     Control Figs & Supervision     55:000       1135     Control Figs & Supervision     55:000       1144     Wel Control Figs & Supervision     55:000 <t< td=""><td>1-06</td><td>Permits</td><td></td><td>\$12,000</td><td>)</td><td></td><td></td><td></td><td></td></t<>	1-06	Permits		\$12,000	)				
110         Bipfind Way         \$10000           121         PL Ling Frances         \$17,700           114         Tracking         \$17,700           114         Tracking         \$17,700           114         Supervision         \$15,700           113         Supervision         \$15,700           114         Supervision         \$15,000           115         Define Control of the Supervision         \$15,000           114         Harrison Tools Supervision         \$1000           114         Harrison Tools Supervision         \$1000           113         Decling Muk A Transportation         \$1000           114         Harrison Tools Supervision         \$1000           115         Ording Muk A Transportation         \$1000           114         Mod Logeng & Constering         \$1000           1130         Decling Muk A Transportation         \$1000           1140         Mod Logeng & Constering         \$1000           1131         Conster Constering         \$1000           1132         Delling Muk A Transportation         \$1000           1133         Conster Constering         \$1000           1134         Koden Constecon         \$1000	1-07	Title Opinion / Regulatory Fees							
1142     For Lange Frees     S8       1144     Tacking     S17,20       1145     Carlos Service     S0       1148     Sepretsion     S17,20       1149     Direction Tools & Supervision     S17,20       1120     Direction Tools & Supervision     S17,20       1121     Direction Tools & Supervision     S17,20       1123     Directional Tools & Supervision     S17,20       1123     Directional Tools & Supervision     S17,20       1124     Hammer Retail Supervision     S17,20       1125     Controp Flug Support Supervision     S17,20       1126     Controp Flug Support Supervision     S17,20       1127     Mad Decid     S17,20       1128     Controp Flug Support Supervision     S17,20       1129     Mad Decid     S17,20       1130     Controp Flug Support Sup									
11-16       Af Cols Sorcice       \$30         11-18       Supervision       \$31,720         11-19       Delling Correlad       \$32,500         12-20       Bar Meditation Dreubilization       \$17,720         12-31       Bar Meditation Dreubilization       \$17,720         12-32       Bar Meditation Dreubilization       \$17,720         12-33       Bar Meditation Dreubilization       \$17,720         12-34       Bar Meditation Dreubilization       \$17,720         12-35       Control Phyl / Squeet       \$30         12-36       Delling Mol & Transportation       \$30         12-36       Mail Logging & Geo sterring       \$31,500         12-37       Mail Logging & Geo sterring       \$30         12-30       Bar Mendation       \$45,500         12-31       Dal String & BAA Read       \$30         12-30       Bar Mendation       \$45,500         12-31       Dal String & BAA Read       \$30         12-31       Dal String & BAA Read       \$300         12-4       12-5       String Crewe Attain         12-5       Contract Drywork Duling       \$300         12-4       12-5       String Crewe Attain         12-4       12-5									
11-16       AP ( Can Service)       01         11-18       September 2000       255.000         11-20       Reg Multiador / Devolktation       555.000         12-31       Decisional Tools & Supervision       555.000         12-32       Best / Inderstation       555.000         12-33       Decisional Tools & Supervision       80         12-34       Maid Decisional       555.000         12-35       Maid Logging & Garastering       555.000         12-30       Maid Surget & Bast / Read       500         13-31       Coring       500         13-31       Coring       500       100         13-40       State /			_						
1418       Supervision       \$35,000									
1-19       Exhing Overhead       \$25,000         1-20       Rg Mohizador, Devolutation       \$17,000         1-21       Directional Tools, Supervision       \$35,000         1-22       Harmore Renta, Supervision       \$00         1-24       Harmore Renta, Supervision       \$00         1-25       Center Hur, Supervision       \$00         1-26       Dating Mul & Transportation       \$00         1-27       Mail Deel       \$00         1-28       Mail Loging & Grossteering       \$15,000         1-30       Dat Rendminen       \$15,000         1-31       Dat Strave, & Bit N. Rena       \$15,000         1-32       Dat Strave, & Bit N. Rena       \$15,000         1-34       1.30       days we Sta.333       / day         1-35       Center Drave No Philing       \$15,000       \$16         1-34       1.30       days we Sta.333       / day       \$17,058       \$17,058         1-44       Wait Coronet Drave No Philing       \$15,000       \$16       \$16,000       \$16,000       \$16,000       \$16,000       \$16,000       \$16,000       \$16,000       \$16,000       \$16,000       \$16,000       \$16,000       \$16,000       \$16,000       \$16,000       \$16,000 <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td>			_				_		
1-00         Eg Mediciation         517,208           1-23         Bit Undersamer, Bits         535,000           1-24         Haume Renul Supervision         50           1-25         Comm Figu / Supervision         50           1-26         Definition Supervision         50           1-27         Mind Dated         500           1-28         Mind Dated         500           1-29         Mind Dated         500           1-20         Definition         500           1-21         Mind Dated         500           1-22         Diff Strage AllA Renni         500           1-31         Contract Dyook During         500           1-32         Diff Strage AllA Renni         500           1-34         13.0 days         6 g status         500           1-34         Task Order Mauchody Conductor         516,600           1-34         Task Order Mauchody Conductor         516,600           1-34         Vater Mind Dipcoil         515,000           1-34         Water Mind Dipcoil         55,000           1-34         Water Mind Dipcoil         55,000           1-35         Contractore (Renowalton Contretter)         516,000			┥ ┝-						
1-22       Bis/Ukdermanns, Bic.       355,000         1-24       Harmor Rental/Supervision       50         1-25       Centure Play/Supervision       50         1-26       Drilling Muk & Transportation       50         1-27       Mail Deel       50         1-28       Moil Logging & Coo-storing       51,500         1-29       Moil Rendeation       51,500         1-30       Dail Sting, & BLA, Retail       57,500         1-31       Contract Dayouk Dolling       50         1-32       Contract Dayouk Dolling       50         1-34       150 days       6         1-35       Contract Dayouk Dolling       55,000         1-34       150 days       6         1-34       150 days       6         1-34       150 days       6         1-34       150 days       6         1-44       Watter Peol.* Rotion       55,000         1-44       Watter Peol.* Rotion       55,000         1-44       Watter Water Alunda Peopula       55,000         1-44       Watter Water Alunda Peopula       55,000         1-45       Straff, Signo			┥ ┣				-		
1.24       Harmer Read / Supervision       991,000         1.25       Center Pipe / Supervision       50         1.26       Define Read / Supervision       50         1.27       Mad Desel       50         1.28       Mad Consoptation       50         1.29       Mad Rendelation       51,000         1.20       Define Read       50         1.21       Define Read Read Read Read Read Read Read Rea			┥ ┣				-		
124     Hammer Rend J. Supervision     50       125     Course Phg / Supervision     525,000       126     Drilling Mid A Transportation     525,000       127     Mid Logeng & Goosteering     515,000       128     Mid Logeng & Goosteering     535,000       129     Mid Rendiation     535,000       130     Drill String & BHA Renail     57,500       131     Comra     50       132     Drill String & BHA Renail     50       133     Comra     50       134     135.0 days     60       135     Contract Daysork Dilling     515,000       134     Table Control Course Contractor     515,000       135     String Contractor     515,000       136     Control Ligupnett     515,000       137     Mide Vater / Mid Dopoid     515,000       138     Drill String K Bing     515,000       139     String Contector     515,000       140     Rath Renail     50,00       141     Vici Control Ligupnett     515,000       142     Natice Pinet Control     515,000       143     Stringe Pinet Control     515,000       144     Table Control     515,000       145     Differed Ligupnett     515,000			┥ ┣				-1		
1-25       Concert Play Superce       50         1-26       Drilling Mdd Transportation       55,00         1-27       Mul Desid       55,00         1-28       Mul Renclation       55,00         1-30       Drill String & BH A Ramal       55,00         1-30       Drill String & BH A Rental       57,00         1-31       Conting       50         1-32       Drill Storn Tests       50         1-34       130       drill Storn Tests         1-36       Totaling Total Kental       50         1-36       Easting Total Kental       515,000         1-36       Easting Total Kental       515,000         1-37       Easting Total Kental       515,000         1-38       Fabric Venter (Mind Diagnosa)       515,000         1-39       Weiter (Mind Diagnosa)       515,000         1-40       Transfer Ser (Roustabout, Testro, etc.)       515,000         1-41       Weit Control Engingerem       515,000         1-41       Vent Control Engingerem       515,000         1-50       Interactor Ser (Roustabout, Testro, etc.)       524,000         1-51       Contractor Ser (Roustabout, Testro, etc.)       524,000			1				1		
1-26       Drilling Mid & Transportation       \$25,000         1-27       Mol Logging & Goostering       \$15,000         1-28       Mol Logging & Goostering       \$15,000         1-30       Drill String & BIA Rental       \$7,500         1-30       Drill String & BIA Rental       \$7,500         1-31       Contra Dayoord Drilling       \$7,500         1-32       Drill Stom Tesis       \$50         1-36       Casing Crews, PL & LD       \$15,500         1-37       Mol Logging & Chevel, PL & LD       \$15,500         1-38       Fabing Tool Retraits       \$50         1-36       Casing Crews, PL & LD       \$15,500         1-38       Fabing Tool Retraits       \$50         1-39       Katker / Mol Dipotal       \$50,000         1-41       Ratholic / Nourshole / Conductor       \$15,000         1-42       Water - Fresh Brine       \$20,000         1-44       Well Control Experiment       \$50,000         1-45       Stafface Prev Comming       \$15,000         1-46       Train Tarler       \$20,000         1-47       Stafface Damages       \$15,000         1-48       Stafface Prevection Interverter       \$21,000         1-49 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
1.28       Mal Loging & Gos-stering       \$15,000         1.30       Doll String & BHA Rotal       \$7,500         1.31       Coring       \$90         1.32       Doll Stern Tests       \$90         1.34       Loging Crews, PU & LD       \$15,000         1.35       Coring       \$90         1.34       Loging Crews, PU & LD       \$15,000         1.35       Conge Crews, PU & LD       \$15,000         1.48       Water - Rest/ Nitioe       \$50,000         1.49       Water - Rest/ Nitioe       \$50,000         1.44       Well Control Engineers       \$50,000         1.55       Controctor Set, (Rousabout, Testor, etc.)       \$52,000         1.51       Controctor Set, (Rousabout, Testor, etc.)       \$52,000         1.52       Produing Conting Contenting       \$51,5000         1.52       Controctor Set, (Rousabout, Testor, etc.)       \$52,000         1.52       Controctor Set, (Rousabout, Testor, etc.)       \$52,000				\$25,000	)				
1-29       Mal Rendation       \$45,000         1-30       Dbl Sring & BH A ental       \$7,500         1-31       Coring       \$80         1-32       Dbl Sen Tests       \$80         Cortract Daywork Drilling       \$90       \$133,33 / day         1-34       130       days       \$15,000         1-36       Cating Crew, PU & LD       \$15,000       \$15,000         1-40       Rathole / Monethole / Conductor       \$18,500       \$16,000         1-42       Water Tresh / Infra       \$50,000       \$16,000         1-44       Welt Control Equipment       \$50,000       \$16,000         1-44       Velt Control Equipment       \$50,000       \$16,000         1-44       Velt Control Equipment       \$50,000       \$16,000         1-44       Tendh Traker       \$2,000       \$2,000         1-44       Tendh Traker       \$2,000       \$16,000         1-50       Open-Hole Logging       \$11,000       \$10,000         1-51       Contractor \$47, (00,000,000       \$10,000       \$10,000       \$10,000         1-52       Production Casing Contenting       \$10,000       \$10,000       \$10,000       \$10,000         1-64       Mecellancous Equipme	1-27	Mud Diesel		\$(	)				
1-30       Doil String, & BHA Renal       \$7500         1-31       Coring       \$80         1-32       Doil Stem Tests       \$80         1-34       Ling Crews. PL       \$80         1-34       Ling Crews. PL       \$176.580         1-34       Ling Crews. PL       \$176.580         1-34       Ling Crews. PL       \$176.580         1-36       Catage Crews. PL       \$176.580         1-40       Rathole / Monschel / Conductor       \$155.00         1-41       Water - Frech / Brine       \$50.000         1-44       Well Control Equipment       \$50.000         1-44       Well Control Equipment       \$50.000         1-44       Well Control Equipment       \$50.000         1-50       Intermodule Pter Comming       \$15.000         1-51       Contractor Ser, (Rounabout, Testor, etc.)       \$24.001         1-51       Contractor Ser, (Rounabout, Testor, etc.)       \$25.000       \$175.00         1-52       Podiction Caing Crementing       \$35.000       \$176.500         1-53       Doiling Contingencies       \$25.000       \$176.500         1-64       Micelancorus Philing       \$15.000       \$176.500         1-64       Micelancorus Chining<									
1-32       Dollar markets       \$0         1-32       Dollar markets       \$0         1-32       Dollar markets       \$0         1-34       130       days @ \$13,33       /day         1-34       130       days @ \$13,33       /day         1-34       Gaing Crews, PU & LD       \$15,000       \$16,000         1-40       Rahole / Monethele / Conductor       \$18,500       \$11,500         1-41       Water - Fresh / Brine       \$50,000       \$11,500         1-42       Water - Kendy Brine       \$50,000       \$11,500         1-44       Train fraider       \$20,000       \$11,500         1-44       Wat (String Houd & Experiment       \$20,000       \$11,500         1-44       Wat (String Houd & Expendables       \$15,000       \$11,500         1-55       Den-Hole Logging       OHLogs & Core processing       \$37,500       \$11,500         1-56       Den-Hole Logging Constructor String Co									
1-32       Doil Stem Tests       50         1-34       130       days       \$13.333       /day         1-36       Casing Crews, PU & LD       \$175.550			_						
Contract Daywork Drilling         50           1-34         130         days         \$ \$13,33         / day           1-36         Casing Cross, PU & LD         \$13,333         / day         \$15,000         \$15,000           1-38         Feling Tool Renub         \$15,000         \$15,000         \$15,000         \$16,000           1-41         Water Freah / Brinz         \$50,000         \$15,000         \$16,000									
1-34       1.30       days <ul> <li>Statis</li> /ul>	1-32		-				_		
1-36       Cising Corews, PU & LD       S15,000         1-38       Fishing Tool Rentals       S0         1-40       Rathole / Kousehnle / Conductor       S15,000         1-41       Water - Fresh / Brine       S50,000         1-42       Water - Fresh / Brine       S50,000         1-43       Water Steph / Brine       S50,000         1-44       Well Control Equipment       S50,000         1-44       Well Control Equipment       S50,000         1-45       Transferration       S50,000         1-46       Transferration       S50,000         1-50       Intermediate Pipe Cementing       S15,000         1-51       Contractor Ser. (Roustabout, Testor, etc.)       S35,000         1-52       Production Casing Cementing       S35,000         1-53       Defining Contingencies       S35,000         1-54       Miccellancous Equipment       S15,000         1-65       Miccellancous Equipment       S1,500         1-66       Weiking During Drilling       S1,000       S10,000         1-64       Miccellancous Equipment       S2,500       S10,000         1-70       Centralexe & Float Equipment       S2,500       S0         1-70       Centralexe & R	1.24								
1-38       Fahing Tool Rentals       50         1-40       Ratholz / Moschkok / Conductor       515500         1-42       Water - Fresh / Brine       550,000         1-43       Water / Mud Disposal       550,000         1-44       Well Control Equipment       550,000         1-44       Well Control Equipment       550,000         1-44       Well Control Equipment       550,000         1-45       Strafee Pipe Cementing       515,000         1-50       Intermediate Pipe Cementing       515,000         1-51       Contractor Sert, Rosonabout, Testor, etc.)       524,063			-				-		
1-40       Rathole / Mouschole / Conductor       518.500         1-42       Water - Fresh / Bine       \$50,000         1-43       Water / Mud Disposal       \$50,000         1-44       Well Concil Equipment       \$50,000         1-50       Intermediate Pipe Cementing       \$150,000         1-51       Contractor Ser. (Roustabout, Testor, etc.)       \$22,000         1-52       Production Casing Comenting       \$35,000         1-54       Diffing Contingencies       \$97,560         1-58       Defining Contingencies       \$33,500         1-64       Miscellaneous Expindables       \$33,500         1-64       Miscellaneous Expindables       \$33,500         1-66       Welding During Drilling       \$31,0000         1-66       Welding During Contractor, Reg.       \$32,000         1-70       Centralter, Prod., Fugl       \$99,341       \$90         2-00       * Rotalt Equipment Rentals       \$37,500       \$99,341       \$90         1-70       Centralter, Prod., Fugl       \$99,941       \$90			-   -				_		
1-42       Water - Fresh / Brine       \$50,000         1-43       Wate Weit / Multi Disposal       \$50,000         1-44       Weit Control Equipment       \$50,000         1-50       Contractor Ser, (Roustabout, Testor, etc.)       \$240,63         1-51       Contractor Ser, (Roustabout, Testor, etc.)       \$240,63         1-52       Production Casing Cementing       \$375,00         1-53       Dailing Contingencies       \$37,500         1-64       Weiting During Drilling       \$10,0000         1-64       Weiting During Drilling       \$33,500         1-66       Weiting During Drilling       \$35,500         1-70       Centralizers & Float Equipment       \$25,500         1-64       Weiting During Drilling       \$35,000         1-70       Centralizers & Float Equipment       \$26,000         1-70       Centralizers & Float Equipment       \$26,000         1-70       Centralizers & Floa									
1.43       Waste Water / Mud Disposal       \$5000         1.44       Well Control Equipment       \$5000         1.44       Well Control Equipment       \$2,000         1.48       Surface Prope Cementing       \$15,000         1.50       Intermediate Pipe Cementing       \$3000         1.51       Contractor Ser. (Roustabout, Testor, etc.)       \$324,063         1.52       Production Casing Cementing       \$35,000         1.56       Open-Hole Logging       OH Logs & Core processing       \$37,500         1.66       Surface Dranges       \$37,500									
1-46       Trash Trailer       \$2,000       []]         1-48       Surface Pipe Cementing       []]]       []]]       []]]       []]]         1-50       Intermediate Pipe Cementing       []]]]       []]]]       []]]]       []]]]       []]]]       []]]]       []]]]       []]]]]       []]]]]       []]]]]       []]]]]       []]]]]       []]]]]       []]]]]       []]]]]       []]]]]       []]]]]       []]]]]]       []]]]]       []]]]]]       []]]]]]]       []]]]]]       []]]]]]]       []]]]]]       []]]]]]]       []]]]]]]]]       []]]]]]]]]]]       []]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]									
1-48       Surface Pipc Comenting       \$15.00	1-44	Well Control Equipment		\$0	)				
1-50       Intermediate Pipe Ceneuring       50         1-51       Contractor Ser. (Roustabout, Testor, etc.)       \$24,063         1-52       Production Casing Ceneuring       \$35,000         1-56       Open-Hole Logging       OH Logs & Core processing       \$30         1-56       Surface Damages       \$37,560	1-46								
1-51       Contractor Ser. (Roustabout, Testor, etc)       \$24,063									
1-52       Production Casing Cementing       \$35,000         1-56       Open-Hole Logging       OH Logs & Core processing       \$0         1-88       Dilling Contingencies       \$37,500			_						
1-56       Open-Hole Logging       OH Logs & Core processing       \$0         1-58       Drilling Contingencies       \$37,500									
1-58       Drilling Contingencies       \$97,560         1-60       Surface Damages       \$3,750         1-62       Rotating Head & Expendables       \$2,500         1-64       Miscellaneous Drilling       \$10,000         1-66       Welding Durig Drilling       \$3,500         1-67       Miscellaneous Equipment Rentals       \$3,500         1-70       Centralizers & Float Equipment       \$33,500         1-70       Centralizers & Float Equipment       \$33,500         1-70       Centralizers & Float Equipment       \$37,500         1-70       Ster Grade Weight Thread Length       \$10,000         2-02       9-5/8" 1-55       36.00       LT&C         2-04       Supp.fe0       \$22,295       \$20,200         2-10       Casingbead(s)       \$0       \$0         2-10			-				_		
1-60       Surface Damages       \$3,750			_				_		
1-62       Rotating Head & Expendables       \$2,500         1-64       Miscellancous Drilling       \$10,000         1-66       Welding During Drilling       \$3,500         1-68       Miscellancous Equipment Rentals       \$37,500         1-70       Centralizers & Float Equipment       \$37,500         1-70       Centralizers & Float Equipment       \$37,500         TANGIBLE DRILLING COSTS:         DRILLING COSTS:         DRILLING COSTS:         DRILLING COSTS:         DRILLING COSTS:         DRILLING COSTS:         DRILLING **         OUBULAR GOODS (Surf., Inter., Prod., Tbg)         Size Grade Weight Thread Length         2-00       ** IDC - DRILLING **         Size Grade Weight Thread Length         2-04       -55         50       S99,760         2-04       -599,760         50       S0         Size Grade Weight Thread Length         2-04       -599,760         50       S0         S0       S0         Size Grade Weight Thread Length         2-10       Casinghead(s)						-			
1-64       Miscellaneous Drilling       \$10,000         1-66       Welding During Drilling       \$3,500         1-68       Miscellaneous Equipment Rentals       \$37,500         1-70       Centralizers & Float Equipment       \$26,000         TOTAL INTANGIBLE DRILLING COSTS:         DRILLING COSTS:         TOTAL INTANGIBLE DRILLING COSTS:         DRILLING         2.00       * IDC - DRILLING **         COMPLETION         Size Grade Weight Thread Length         2-02       9-5/8" J-55       36.00       LT&C 1250         2-04       -       \$99,760       -         2-05       -       -       -         2-06       7" L-80       32.00       BT&C 4100       \$80,000       -         2-102       9-5/8" J-2" L-80       20.00       BT&C 6100       S0       -         SUBLILING - SURFACE EQUIPMENT       \$0       -       -       -         2-10       Casinghead(s)       -       \$10,000       -       -         2-110       Miscellaneous       \$0       -       -       -       -         2-14       Open Hole Packers and Sleeves       \$0			-				-		
1-66       Welding During Drilling       \$3,500       \$37,500         1-68       Miscellaneous Equipment Rentals       \$37,500       \$37,500         1-70       Centralizers & Float Equipment       \$26,000       \$37         70TAL INTANGIBLE DRILLING COSTS:       \$959,341       \$0         TANGIBLE DRILLING COSTS:         DRILLING         2-00       ** IDC - DRILLING **       COMPLETION       SUPPLEMENTAL         2-00       ** IDC - DRILLING **       \$0       \$10       \$10         UIBULAR GOODS (Surf., Inter, Prod., Tbg)       \$10       \$10       \$10       \$10         2-00       \$12       S0       \$12       \$20,00       BT&C       \$100       \$80,000       \$12       \$10       <			┥ ┝				-		
1-68       Miscellaneous Equipment Rentals       \$37,500         1-70       Centralizers & Float Equipment       \$26,000         TOTAL INTANGIBLE DRIFLING COSTS:         DRIFLING COSTS:         DRIFLING COSTS:         DRIFLING COSTS:         DRIFLING **         OPEN State Colspan="2">OPEN State Colspan="2">State Grade Weight Thread Length         2-00       \$12,00       BT&C       \$12,00       \$12,00       \$14,00       \$10,000<			┨ ┣				1		
1-70       Centralizers & Float Equipment       \$26,000         TOTAL INTANGIBLE DRILLING COSTS:         Size Crade Weight Thread Length         2-00       ** IDC - DRILLING **         CUBULAR GOODS (Surf., Inter., Prod., Tbg)         Size Grade Weight Thread Length         2-02       9-5/8" J-55       36.00       LT&C 1250       \$22,295         2-04       \$99,760       \$99,760       \$1         2-04       \$99,760       \$20       \$20         2-04       \$99,760       \$20       \$20         2-04       \$1/2" L-80       20.00       BT&C 4100       \$0         5-1/2" L-80       20.00       BT&C 6100       \$0       \$0         ORILLING - SURFACE EQUIPMENT       \$0       \$10,000       \$1         2-10       Casinghead(s)       \$10,000       \$1       \$10,000       \$1         2-12       Liner Hanger & Packer       \$0       \$10,000       \$1       \$1         2-16       Miscellaneous       \$0       \$0       \$1       \$2         2-18       Flowline & Valves       \$0       \$0       \$1       \$1			1						
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EASE:		Longfello					WELL NO.	00411	T,	FIELD:	Locs Hills	A EE #. 00=	DATE	1/15/00
	SHL	Santana S 1,145'	tate Com 2 FSL	2000'	FWL	of	Section	006H 21		FIELD: 17S-28E	Loco Hills PROPOSED TD:	AFE #: 805 9,415'	DATE: ft (MD)	1/15/20
OCATION:	BHL	217'	FSL	200	FWL		Section	20		17S-28E	VERTICAL	9,415	RE-ENTRY	
<b>BJECTIVE:</b>		Yeso For				Estimated	@	4,000'		ft TVD	HORIZONTAL	Х	WORKOVER	
EMARKS:				Eddy County								REVIEWED		DM
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3-04	Fracturing										\$700,000			
3-06	Perforating						Ī				\$90,000			
3-08	Cased Hol	e Logging									\$5,000			
3-10	CO2 / Boo	sters									\$16,000			
3-12		/ Electrical	Services								\$5,000			
3-14	Equipment										\$5,000			
3-15			ts, Trash Ti	railers			-				\$7,500			
3-16	Frac Tank						-				\$11,000			
3-18	Restore Lo										\$8,333	-		
3-20	Right - Of						-				\$6,311	-		
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3-30	Slickline W		· · ·				Ī				\$0			
3-31	Technical l	Labor									\$15,000			
3-32		nit / Power	Swivel								\$30,000			
3-33	Trucking-										\$0			
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3-34		days	@	<u>\$7,600</u>	/	/ day					\$30,000			
3-36	Anchors										\$2,500			
3-38		Inde-reame	rs, Etc.								\$5,000	-		
3-40	Coiled Tub										\$0	-		
3-42		n Fluids - N	lud, Etc.				-				\$5,000	-		
3-44 3-46	DH Tool F Fishing To										\$12,000	-		
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3-48				PE, Frac Stac	k Lubric	ator	-				\$95,000	-		
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4-01	Tubing						Ī				\$20,000	ī		
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4-20 4-22	Salt Water Production										\$0 \$0			
4-22 4-24		Tanks Equipment									\$0			
4-24 4-26	Pump	Equipment									\$175,000			
4-26 4-28	Pump Pumping U	nit									\$175,000			
4-30	Rod String										\$0			
4-32	Tubing He										\$10,000			
4-34			fiscellaneou	us							\$3,050	1		
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4-40	Flowline										\$13,072	1		
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Day of

Title:

Signed this

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SHARON T. SHAHEEN Direct: (505) 986-2678 Email: <u>sshaheen@montand.com</u> www.montand.com

March 19, 2020

Via U.S. Certified Mail, return receipt requested

### TO: ALL INTEREST OWNERS ON ATTACHED LIST

Re: Case No. 21792 - Application of Longfellow Energy, LP, for Compulsory Pooling and for Approval of a Non-Standard Location, Eddy County, New Mexico – Cattlemen Fed Com 204H (BS)

Dear Interest Owner:

This will advise that pursuant to NMSA 1978, § 70-2-17, Titus Oil & Gas Production, LLC ("Titus") has filed an Application with the New Mexico Oil Conservation Division for an order regarding the proposed wells described below. You are receiving this notice because you may have an interest in these wells.

Case No.21792: Application of Longfellow Energy, LP for Compulsory Pooling and for Approval of a Non-Standard Location, Eddy County, New Mexico. Applicant in the above-styled cause seeks an order from the Division pooling all uncommitted interests in the Yeso formation (Artesia; Glorieta-Yeso [96830]) in a standard 320-acre, more or less, horizontal spacing and proration unit ("HSU") comprised of the S/2 of Section 20, Township 17 South, Range 28 East, NMPM, in Eddy County, New Mexico. Applicant proposes to drill the following wells: (1) Santana State Com 20CD 001H well, to be horizontally drilled from an approximate surface hole location 1295' FSL and 200' FWL of Section 21, T17S-R28E, to an approximate bottom hole location 2301' FSL and 100' FWL of Section 20, T17S-R28E; (2) Santana State Com 20CD 002H well, to be horizontally drilled from an approximate surface hole location 1270' FSL and 200' FWL of Section 21, T17S-R28E, to an approximate bottom hole location 1851' FSL and 100' FWL of Section 20, T17S-R28E; (3) Santana State Com 20CD 003H well, to be horizontally drilled from an approximate surface hole location 1245' FSL and 200' FWL of Section 21, T17S-R28E, to an approximate bottom hole location 1401' FSL and 100' FWL of Section 20, T17S-R28E; (4) Santana State Com 20CD 004H well, to be horizontally drilled from an approximate surface hole location 1220' FSL and 200' FWL of Section 21, T17S-R28E, to an approximate bottom hole location 1005' FSL and 100' FWL of Section 20, T17S-R28E; (5) Santana State Com 20CD 005H well, to be horizontally drilled from an approximate surface hole

> Exhibit A-8 Longfellow Energy, LP NMOCD Case No. 21792 April 8, 2021

All Interest Owners March 19, 2021 Page 2

location 1195' FSL and 200' FWL of Section 21, T17S-R28E, to an approximate bottom hole location 610' FSL and 100' FWL of Section 20, T17S-R28E; and (6) **Santana State Com 20CD 006H** well, to be horizontally drilled from an approximate surface hole location 1170' FSL and 200' FWL of Section 21, T17S-R28E, to an approximate bottom hole location 214' FSL and 100' FWL of Section 20, T17S-R28E. The completed intervals and first and last take points for all wells except the Santana State Com 20CD 006H will meet the setback requirements set forth in the statewide rules for horizontal oil wells. Applicant requests approval of an unorthodox location for the Santana State Com 20CD 006H because the completed interval is closer than 330' from the outer boundary of the HSU. 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 Operator of the wells, and a 200% charge for the risk involved in drilling and completing the wells. The wells and lands are located approximately 14 miles west of Loco Hills, New Mexico.

The attached application will be set for hearing before a Division Examiner at the New Mexico Oil Conservation Division. During the COVID-19 Public Health Emergency, state buildings are closed to the public and hearings will be conducted remotely. The hearing will be conducted on **April 8, 2021** beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the docket for the hearing date: http://www.emnrd.state.nm.us/OCD/hearings.html. You are not required to attend this hearing, but as an owner of an interest that may be affected, you may appear and present testimony.

Failure to appear at that time and become a party of record will preclude you from challenging this application at a later time. If you intend to present testimony or evidence at the hearing, you must enter your appearance by **March 31, 2021**, and serve the Division, counsel for the Applicant, and other parties with a pre-hearing statement by **April 1, 2021**, in accordance with Division Rule 19.15.4.13 NMAC.

Please feel free to contact me if you have any questions about this application.

Very truly yours,

/s/Sharon T. Shaheen

Sharon T. Shaheen

STS/lt Enclosure cc: Longfellow Energy, LP, *via email* 

### EXHIBIT A

### **INTEREST OWNERS**

#### Working Interest Owners:

SEP Permian, LLC 9655 Katy Freeway Suite 500 Houston, TX 77024

Marmon Holdings, Inc. c/o Cerro de Pasco Corp. 181 W. Madison St., Suite 2600 Chicago, IL 60602-4510

OXY USA WTP, LP 5 Greenway Plaza, Suite 110 Houston, TX 77046 Christine S. Johnson c/o Carolynn Loveless Schlicher 40246 Goodfellow Dr. Dallas, TX 75209

ConocoPhillips Company 925 N. Eldridge Parkway Houston, TX 77079

Gretchen Beidler Nearburg c/o Eugene E. Nearburg 1129 Challenger Lakeway, TX 78734-3825 James Coe Schlicher c/o Carolynn Loveless Schlicher 2309 Bridle Path Austin, TX 78703

Occidental Permian Limited Partnership 5 Greenway Plaza, Suite 110 Houston, TX 77046

Lucinda Loveless, Individually, as Trustee, and her successors in interest as trustee of the Lucinda Loveless Revocable Trust dated December 21, 2006, as amended and restated P.O. Box 8 Hondo, NM 88336-0008

#### **Overriding Royalty Interest Owners:**

Apache Corporation 2000 Post Oak Blvd. Suite 100 Houston, TX 77056-4400

Wilson Oil Company, Ltd. P.O. Box 1297 Santa Fe, NM 87505

Richardson Mineral & Royalty, LLC 105 West 3<sup>rd</sup> St. - #309 Roswell, NM 88201

### Additional Interested Party:

State Land Office 310 Old Santa Fe Trail Santa Fe, NM 87501 Black Shale Minerals, LLC 5006 State Hwy 31 North Longview, TX 75603

Rolla R. Hinkle, III 114 Cochiti Ct. Roswell, NM 88202

Occidental Permian, LP 5 Greenway Plaza Suite 110 Houston, TX 77046 Chisos, Ltd. 1331 Lamar St. Suite 1077 Houston, TX 77010

Penasco Petroleum, LLC P.O. Box 2292 Roswell, NM 88202- 2292

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

### APPLICATION OF LONGFELLOW ENERGY, LP FOR COMPULSORY POOLING AND FOR APPROVAL OF A NON-STANDARD LOCATION, EDDY COUNTY, NEW MEXICO

Case No. 21792

### APPLICATION

Longfellow Energy, LP ("Longfellow"), through its undersigned counsel Montgomery & Andrews, P.A. (Sharon T. Shaheen and John F. McIntyre), hereby files this application with the Oil Conservation Division pursuant to the provisions of NMSA 1978, § 70-2-17, for an order pooling all mineral interests in the Yeso formation (Artesia; Glorieta-Yeso [96830]) in a standard 320-acre, more or less, horizontal spacing and proration unit ("HSU") comprised of the S/2 of Section 20, Township 17 South, Range 28 East, NMPM, in Eddy County, New Mexico. In support of its application, Longfellow states as follows:

1. Longfellow is a working interest owner in the proposed HSU and has the right to drill thereon.

- 2. Longfellow proposes to drill the following 1-mile wells in the proposed HSU:
  - Santana State Com 20CD 001H well, to be horizontally drilled from an approximate surface hole location 1295' FSL and 200' FWL of Section 21, T17S-R28E, to an approximate bottom hole location 2301' FSL and 100' FWL of Section 20, T17S-R28E.
  - Santana State Com 20CD 002H well, to be horizontally drilled from an approximate surface hole location 1270' FSL and 200' FWL of Section 21, T17S-

R28E, to an approximate bottom hole location 1851' FSL and 100' FWL of Section 20, T17S-R28E.

- Santana State Com 20CD 003H well, to be horizontally drilled from an approximate surface hole location 1245' FSL and 200' FWL of Section 21, T17S-R28E, to an approximate bottom hole location 1401' FSL and 100' FWL of Section 20, T17S-R28E.
- Santana State Com 20CD 004H well, to be horizontally drilled from an approximate surface hole location 1220' FSL and 200' FWL of Section 21, T17S-R28E, to an approximate bottom hole location 1005' FSL and 100' FWL of Section 20, T17S-R28E.
- Santana State Com 20CD 005H well, to be horizontally drilled from an approximate surface hole location 1195' FSL and 200' FWL of Section 21, T17S-R28E, to an approximate bottom hole location 610' FSL and 100' FWL of Section 20, T17S-R28E.
- Santana State Com 20CD 006H well, to be horizontally drilled from an approximate surface hole location 1170' FSL and 200' FWL of Section 21, T17S-R28E, to an approximate bottom hole location 214' FSL and 100' FWL of Section 20, T17S-R28E.

3. The completed intervals and first and last take points for all wells except the Santana State Com 20CD 006H will meet the setback requirements set forth in the statewide rules for horizontal oil wells. Applicant requests approval of an unorthodox location for the Santana State Com 20CD 006H because the completed interval is closer than 330' from the outer boundary of the HSU.

4. Longfellow has in good faith sought and been unable to obtain voluntary agreement for the development of these lands from all of the mineral interest owners in the HSU.

5. Approval of the HSU and the pooling of all mineral interest owners in the Yeso formation underlying the HSU will avoid the drilling of unnecessary wells, prevent waste, and protect correlative rights.

6. In order to permit Longfellow to obtain its just and fair share of the oil and gas underlying the subject lands, all uncommitted interests in this HSU should be pooled and Longfellow should be designated the operator of the HSU.

WHEREFORE, Longfellow requests that this application be set for hearing before an Examiner of the Oil Conservation Division on April 8, 2021, and that, after notice and hearing as required by law, the Division enter an order:

A. Creating a standard 320-acre, more or less, HSU comprised of the S/2 of Section
20, Township 17 South, Range 28 East, NMPM, in Eddy County, New Mexico;

B. Pooling all mineral interests in the Yeso formation underlying the HSU;

C. Allowing the drilling of the following 1-mile wells in the HSU: (1) Santana State Com 20CD 001H, (2) Santana State Com 20CD 002H, (3) Santana State Com 20CD 003H, (4) Santana State Com 20CD 004H, (5) Santana State Com 20CD 005H, and (6) Santana State Com 20CD 006H.

D. Approving the non-standard location of the completed interval for the Santana State Com 20CD 006H.

E. Designating Longfellow as operator of the HSU and the wells to be drilled thereon;

F. Authorizing Longfellow to recover its costs of drilling, equipping and completing the wells;

G. Approving the operating charges and costs of supervision while drilling of \$8,000/month and, after completion, \$800/month, together with a provision adjusting the rates pursuant to the COPAS accounting procedures; and

H. Imposing a 200% penalty for the risk assumed by Longfellow in drilling and completing the wells against any interest owner who does not voluntarily participate in the drilling of the wells.

Respectfully submitted,

MONTGOMERY & ANDREWS, P.A.

<u>/s/ Sharon T. Shaheen</u> Sharon T. Shaheen John F. McIntyre Post Office Box 2307 Santa Fe, NM 87504-2307 (505) 986-2678 <u>sshaheen@montand.com</u> <u>jmcintyre@montand.com</u>

Attorneys for Longfellow Energy, LP

### Tab 5

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

APPLICATION OF LONGELLOW ENERGY, LP FOR COMPULSORY POOLING AND FOR APPROVAL OF A NON-STANDARD LOCATION, EDDY COUNTY, NEW MEXICO

CASE NO. 21792

### AFFIDAVIT OF JENNIFER EKER

I, being duly sworn on oath, state the following:

1. I am over the age of 18 and have the capacity to execute this Affidavit, which is based on my personal knowledge.

2. I am a petroleum geologist employed as the Geologist for Longfellow Energy, LP ("Longfellow") and am familiar with the subject application and geology involved.

3. This affidavit is submitted in connection with the filings by Longfellow of the above referenced compulsory pooling application pursuant to 19.15.4.12.A(1) NMAC.

4. I have not previously testified before the New Mexico Oil Conservation Division as an expert witness in petroleum geology matters. My education and work experience are as follows: I graduated from the University of Oklahoma in 2010 with a Bachelor of Science degree in Petroleum Geology and graduated from the University of Texas at Dallas with a Masters of Science degree in Geosciences in 2014. I have been employed with Longfellow Energy, LP since 2007. I have worked as a Geologist on various projects in Oklahoma and Texas and recently New Mexico.

> Exhibit B Longfellow Energy, LP NMOCD Case No. 21792 April 8, 2021

6. Exhibit B-2 is a regional Yeso structure map with 50' contour intervals, which illustrates the location of the HSU by a red square.

7. Exhibit B-3 is a Spacing Unit Schematic showing the Yeso structure with 50' contour intervals, which illustrates the location of the HSU by a red square outlined in in red and the approximate locations of the proposed wells and whether the wells are considered bench 1 "Paddock" or bench 2 "Blinebry".

8. Exhibit B-4 is a type log of the production portion of the Yeso formation on the Northwest Shelf with and further defines bench 1 "Paddock" and bench 2 "Blinebry", within the Yeso formation. This type log was used to identify the key tops used to evaluate reservoirs and landing targets for the proposed wells.

8. Exhibit B-5 is a Yeso structural cross section map with 50' contour intervals with the location of the HSU outlined in in red and the approximate locations of the proposed wells and whether the wells are considered bench 1 "Paddock" or bench 2 "Blinebry".

9. Exhibit B-6 is the structural cross section and indicates that these wells are being placed in a zone that has an estimated gross interval thickness of 1,500'. This gross thickness is being calculated from the top of the Paddock to the top of the Tubb, within the Yeso formation.

10. Exhibit B-7 is a gunbarrel diagram depicting each well. These show the approximate landing zones in reference to the type log for the area and the associated spacing of the wellbores within the half-section width HSU.

11. The measured depths and true vertical depths for each well are approximately as follows:

	MD	TVD
Santana State Com 20CD 001H	9,015'	3,600'
Santana State Com 20CD 002H	9,415'	4,400'
Santana State Com 20CD 003H	9,015'	3,600'
Santana State Com 20CD 004H	9,415'	4,400'
Santana State Com 20CD 005H	9,015'	3,600'

Santana State Com 20CD 006H 9,415' 4,400'

12. The true vertical landing depth of the target formation is approximately 3,600' for the bench 1 "Paddock" wells (001H, 003H, 005H), and approximately 4,400' for the bench 2 "Blinebry" wells (002H, 004H, 006H) based on the structural cross section, Exhibit B-6.

- 13. Based on my geologic study of the area, I conclude the following:
  - a. the horizontal spacing and proration units are justified from a geologic standpoint.
  - b. There are no structural impediments or faulting that will interfere with horizontal development.
  - c. Each quarter-quarter section in the units will contribute more or less equally to production.
  - d. The preferred well orientation is east-west because there is no known and generally accepted preferential drilling orientation based on present-day stress regime or other geological factors. The vast majority of existing NW Shelf Yeso horizontal wells are oriented W-E, so an established trend is present. This orientation also fits our lease and surface availability aligns with the remainder of Longfellow's planned development in the adjoining tracts and therefore doesn't strand any acreage or reserves.

14. The Exhibits to this Affidavit were prepared by me, or compiled from Longfellow's business records.

15. The granting of these Applications is in the interest of conservation, the prevention of waste and the protection of correlative rights.

16. The foregoing is correct and complete to the best of my knowledge and belief.

(her Jennifer Eke

FURTHER AFFIANT SAYETH NAUGHT

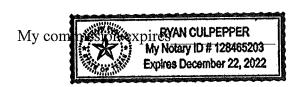
STATE OF TEXAS COUNTY OF DALLAS

Subscribed to and sworn before me this  $\underline{\mathcal{S}}^{\mathcal{H}}$  of April, 2021.

)

)

tary Public



### Tab 6

Exhibit B-1 Longfellow Energy, LP NMOCD Case No. 21792

April 8, 2021

### Yeso Formation Pooling – Eddy County, NM

Received by OS: 1/6/2021 6:4505 PHY

Longfellow Energy, LP ("Longfellow") seeks an order from the Division pooling all uncommitted interests in the Yeso formation (Artesia; Glorieta-Yeso [96830]) in a standard 320 acre, more or less, horizontal spacing and proration unit ("HSU") comprised of the S/2 of Section 20-17S-28E, Eddy County, NM. Applicant proposes to drill the following wells:

- Santana State Com 20CD 001H well, to be horizontally drilled from an approximate surface hole location 1295' FSL and 200' FWL of Section 21, T17S-R28E, to an approximate bottom hole location 2301' FSL and 100' FWL of Section 20, T17S-R28E. The proposed true vertical depth is approximately 3600' and the total measured depth is approximately 9015'. The first take point will be located approximately 2313' FSL and 100' FEL of Section 20-17S-28E and the last take point will be located approximately 2313' FSL and 100' FEL of Section 20-17S-28E and the last take point will be located approximately 2301' FSL and 100' FWL of Section 20-17S-28E.
- Santana State Com 20CD 002H well, to be horizontally drilled from an approximate surface hole location 1270' FSL and 200' FWL of Section 21, T17S-R28E, to an approximate bottom hole location 1851' FSL and 100' FWL of Section 20, T17S-R28E. The proposed true vertical depth is approximately 4000' and the total measured depth is approximately 9415'. The first take point will be located approximately 1863' FSL and 100' FWL of Section 20-17S-28E and the last take point will be located approximately 1863' FSL and 100' FEL of Section 20-17S-28E and the last take point will be located approximately 1851' FSL and 100' FWL of Section 20-17S-28E.
- Santana State Com 20CD 003H well, to be horizontally drilled from an approximate surface hole location 1245' FSL and 200' FWL of Section 21, T17S-R28E, to an approximate bottom hole location 1401' FSL and 100' FWL of Section 20, T17S-R28E. The proposed true vertical depth is approximately 3600' and the total measured depth is approximately 9015'. The first take point will be located approximately 1413' FSL and 100' FWL of Section 20-17S-28E.
- Santana State Com 20CD 004H well, to be horizontally drilled from an approximate surface hole location 1200' FSL and 200' FWL of Section 21, T17S-R28E, to an approximate bottom hole location 1005' FSL and 100' FWL of Section 20, T17S-R28E. The proposed true vertical depth is approximately 4000' and the total measured depth is approximately 9415'. The first take point will be located approximately 1017' FSL and 100' FEL of Section 20-17S-28E and the last take point will be located approximately 1017' FSL and 100' FEL of Section 20-17S-28E and the last take point will be located approximately 1005' FSL and 100' FWL of Section 20-17S-28E.
- Santana State Com 20CD 005H well, to be horizontally drilled from an approximate surface hole location 1195' FSL and 200' FWL of Section 21, T17S-R28E, to an
  approximate bottom hole location 610' FSL and 100' FWL of Section 20, T17S-R28E. The proposed true vertical depth is approximately 3,600' and the total
  measured depth is approximately 9,015'. The first take point will be located approximately 622' FSL and 100' FEL of Section 20-17S-28E and the last take point will
  be located approximately 610' FSL and 100' FWL of Section 20-17S-28E.
- Santana State Com 20CD 006H well, to be horizontally drilled from an approximate surface hole location 1170' FSL and 200' FWL of Section 21, T17S-R28E, to an
  approximate bottom hole location 214' FSL and 100' FWL of Section 20, T17S-R28E. The proposed true vertical depth is approximately 4,000' and the total
  measured depth is approximately 9,415'. The first take point will be located approximately 226' FSL and 100' FEL of Section 20-17S-28E and the last take point will
  be located approximately 214' FSL and 100' FWL of Section 20-17S-28E.

ly 400' FSL and 100' FWL of Section 13-17S-28E and the last take point will be located approximately 390' FSL and 100' FEL of Section 13-17S-28E.

There is no known and generally accepted preferential drilling orientation based on present-day stress regime or other geological factors. The vast majority of existing NW Shelf Yeso horizontal wells are oriented W-E, so an established trend is present. This orientation also fits our lease and surface availability aligns with the remainder of Longfellow's planned development in the adjoining tracts and therefore doesn't strand any acreage or reserves.

No depth severances apply to the formation being pooled. *Released to Imaging: 4/7/2021 8:12:39 AM* 

See attached exhibits for a regional structure map, type log and structural cross section.

## **Regional View of the NW Shelf**

Paleogeography of Permian Basin region in Early Permian

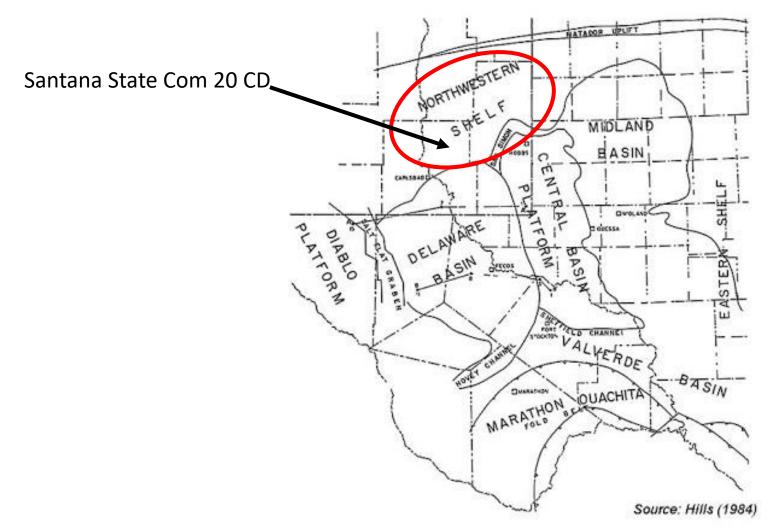


Exhibit B-1 Longfellow Energy, LP NMOCD Case No. 21792 April 8, 2021

# NW Shelf Stratigraphic Column

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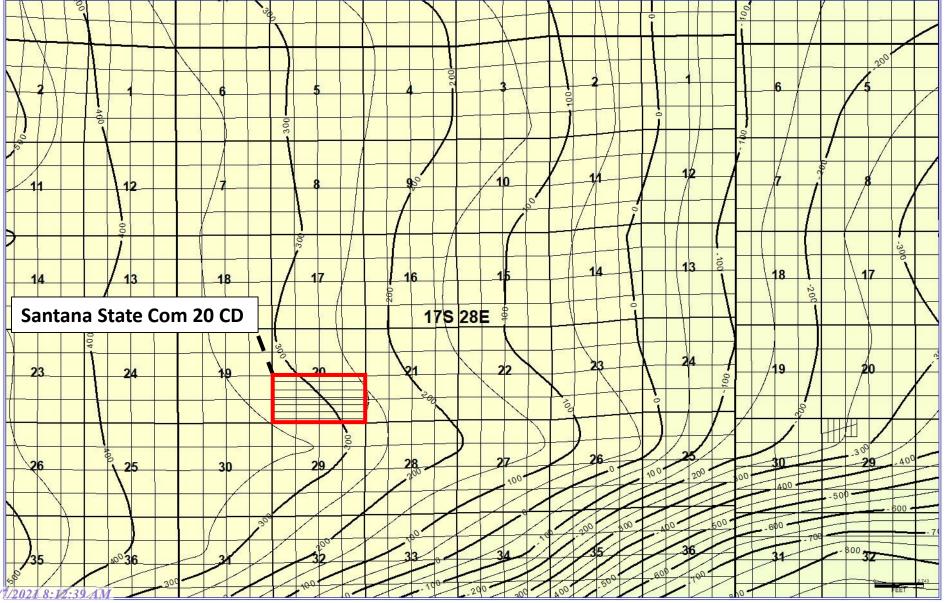
Exhibit B-1 Longfellow Energy, LP NMOCD Case No. 21792 April 8, 2021

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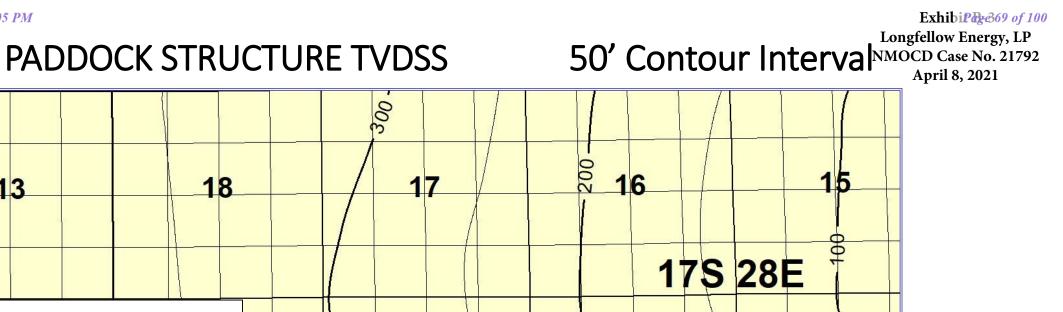
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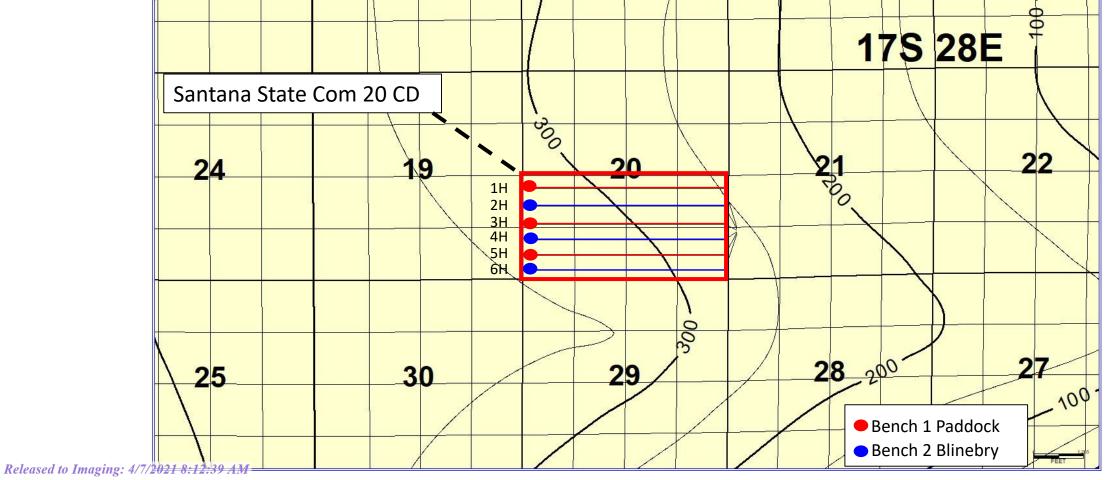
### 50' Contour Interval Longfellow Energy, LP MOCD Case No. 21792 April 8, 2021

### PADDOCK STRUCTURE TVDSS

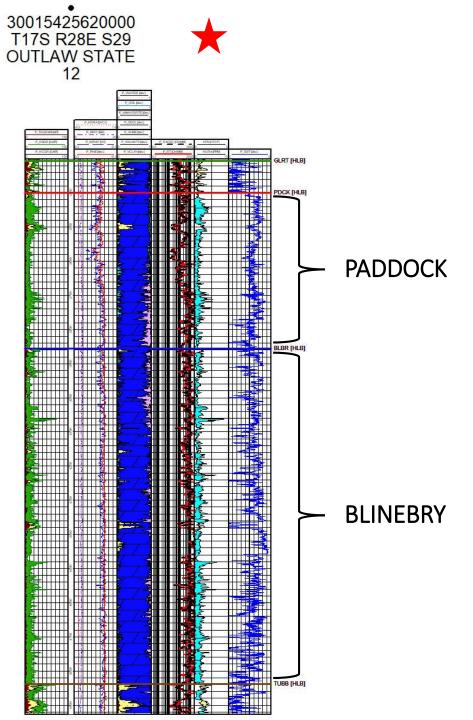


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### NW Shelf Yeso Type Log Showing Target Intervals

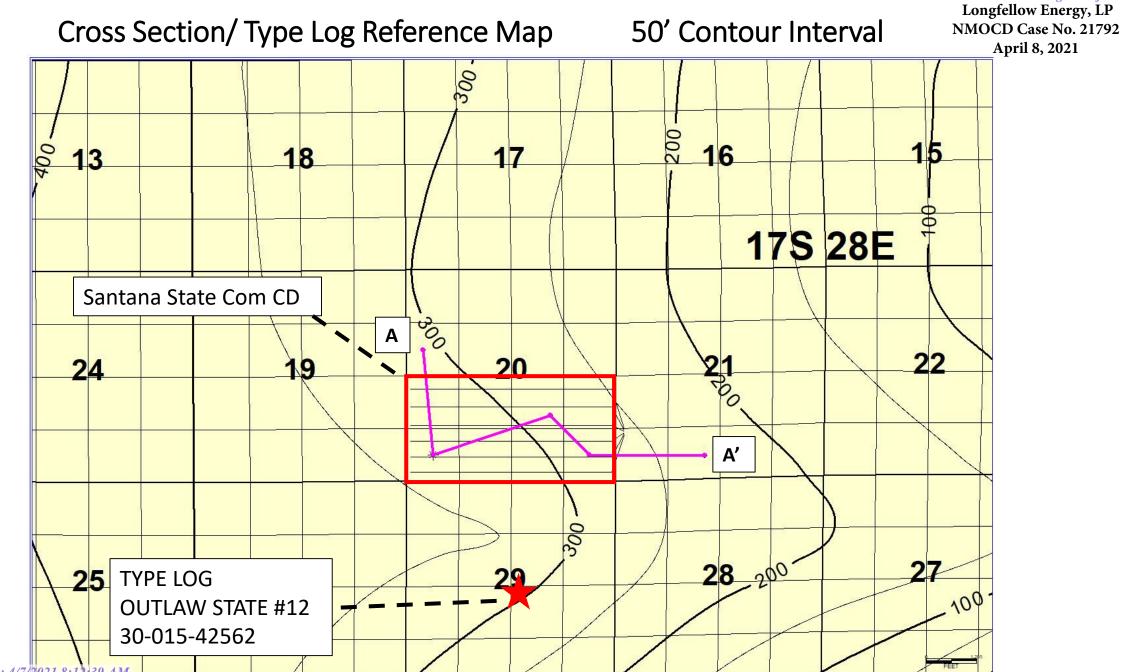


*Page 70 of 100* Exhibit B-4

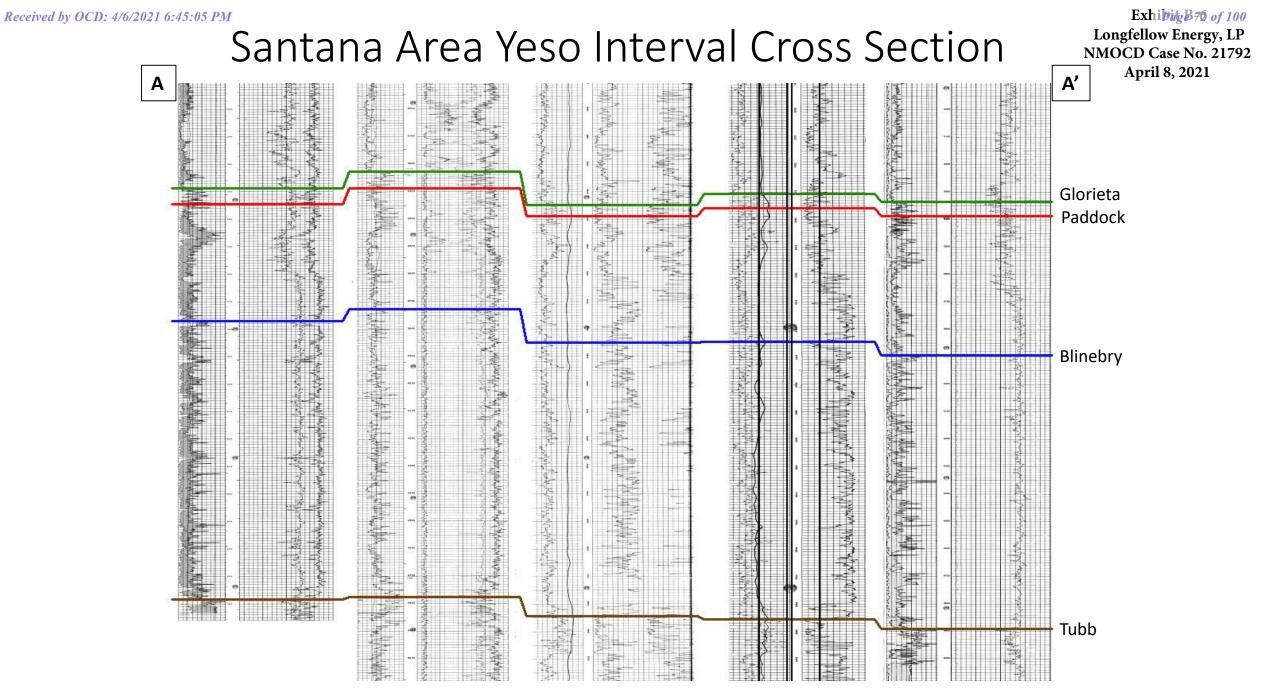
Longfellow Energy, LP NMOCD Case No. 21792

April 8, 2021

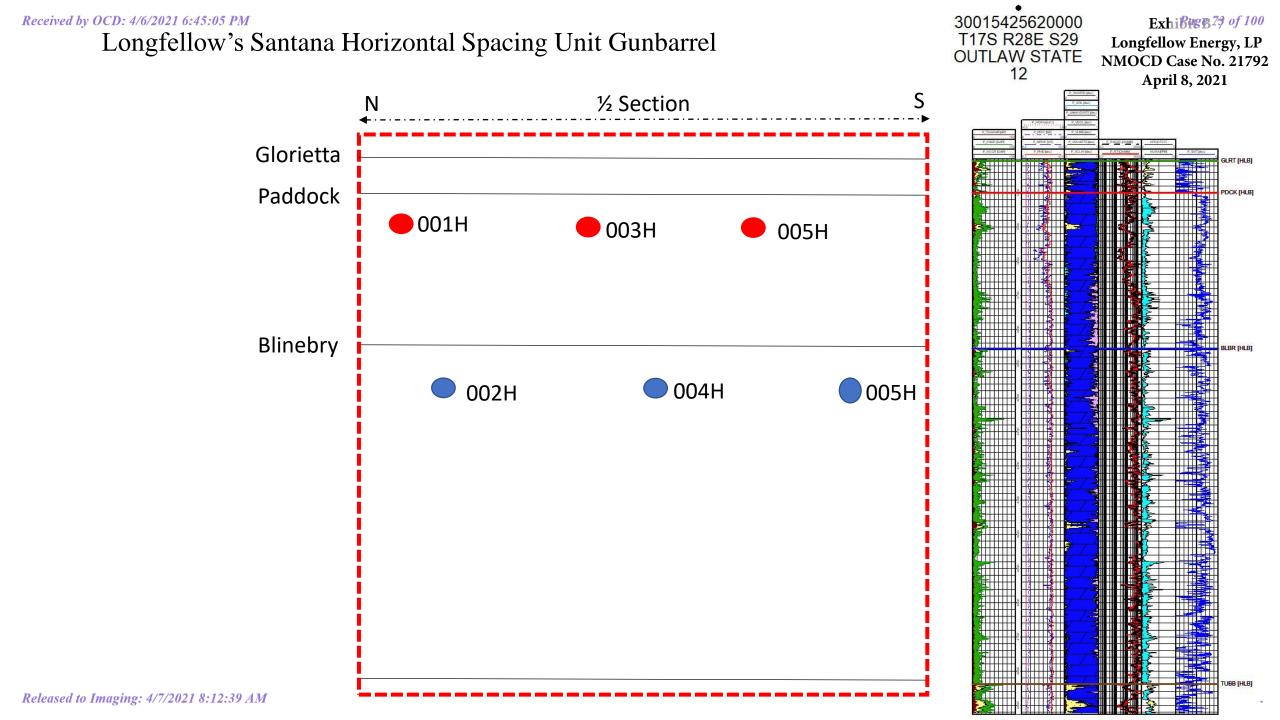
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#### STATE OF NEW MEXICO DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES OIL CONSERVATION DIVISION

#### APPLICATION OF LONGFELLOW ENERGY, LP FOR COMPULSORY POOLING AND FOR APPROVAL OF A NON-STANDARD LOCATION, EDDY COUNTY, NEW MEXICO

Case No. 21792

#### **AFFIDAVIT OF NOTICE**

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

I, Sharon T. Shaheen, attorney for Applicant in the above-captioned matter, state upon oath the following:

1. I caused notice of the application to be sent by certified mail through the United States Postal Service on March 19, 2021, to all uncommitted interest owners sought to be pooled in this proceeding. Evidence of mailing to all parties and proof of receipt by most parties is attached hereto as Exhibit A. In addition, notice was directed by publication in the Carlsbad Current Argus on March 23, 2021, to all owners to whom notice was mailed, as reflected in the Affidavit of Publication attached hereto as Exhibit B. Exhibit B demonstrates to my satisfaction that those owners who did not receive personal notice through the certified mailing were properly served by publication.

2. Titus has conducted a good faith, diligent effort to find the names and correct addresses for the interest owners entitled to receive notice of the Application filed herein.

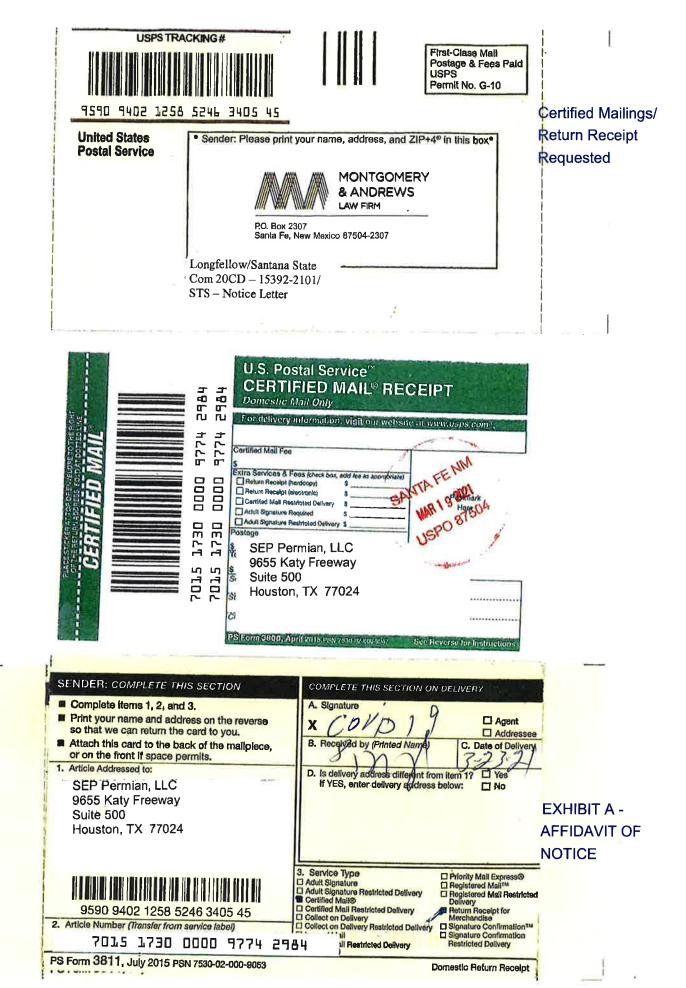
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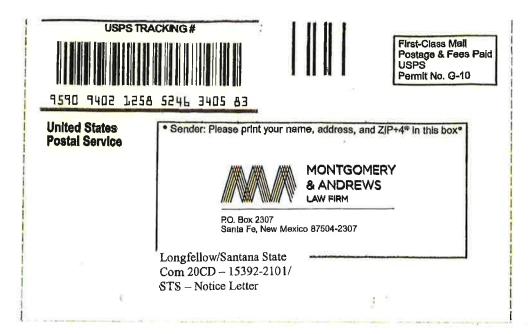
SHARON T. SHAHEEN

SUBSCRIBED AND SWORN to before me this <u></u>day of April, 2021.

Notary Public

My Commission Expires: 04-30-2022

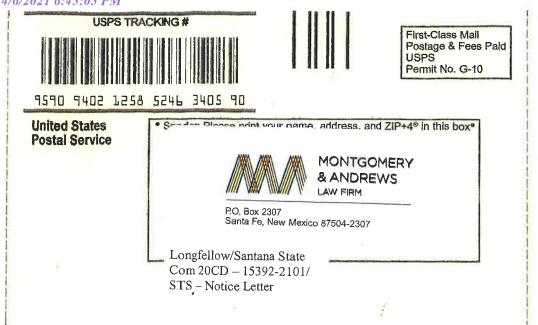








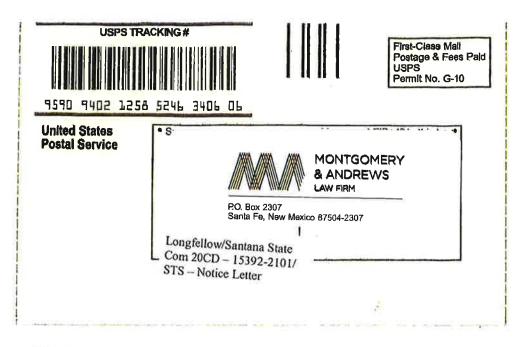
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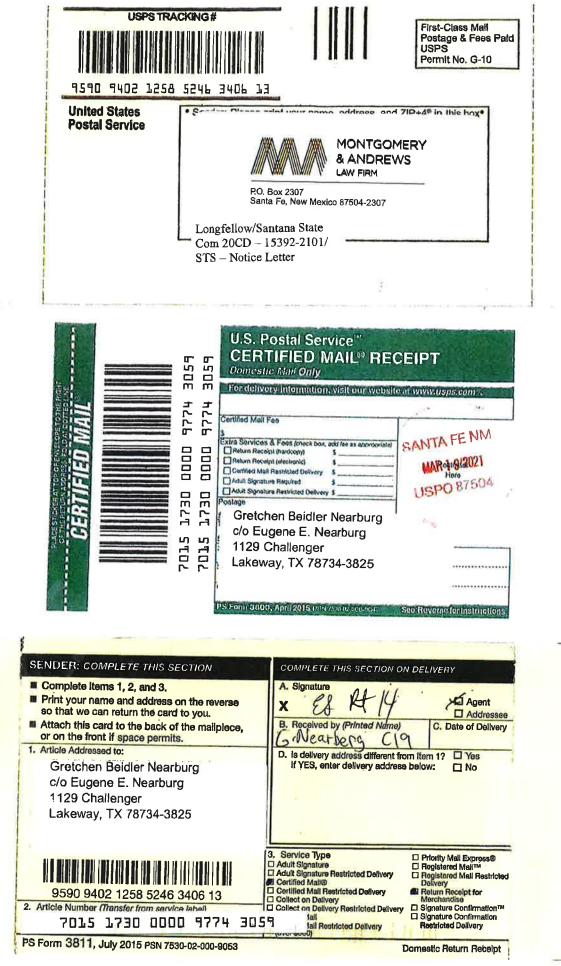


Page 77 of 100

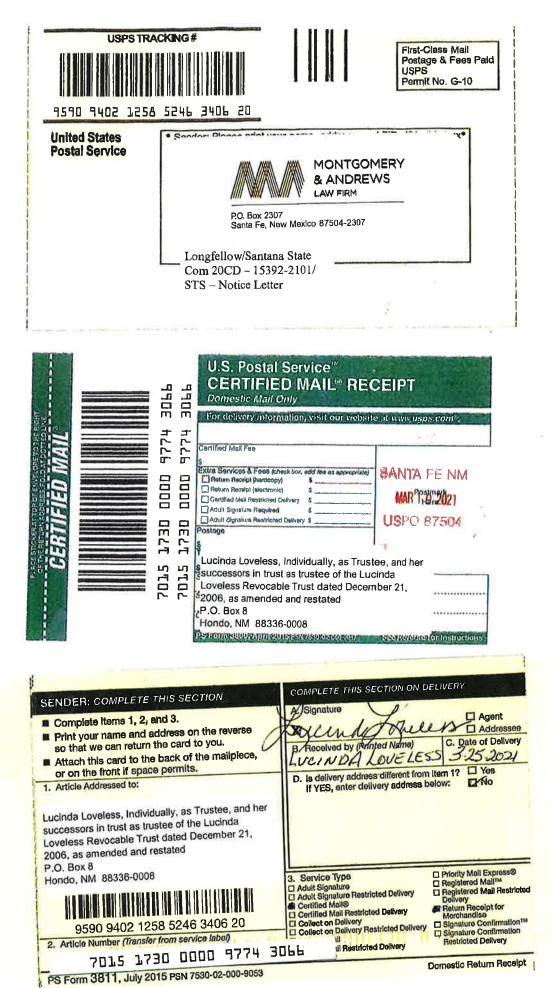








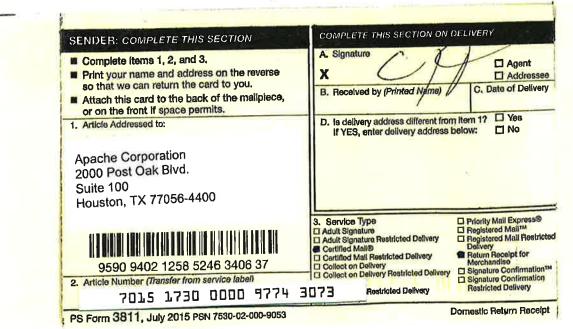
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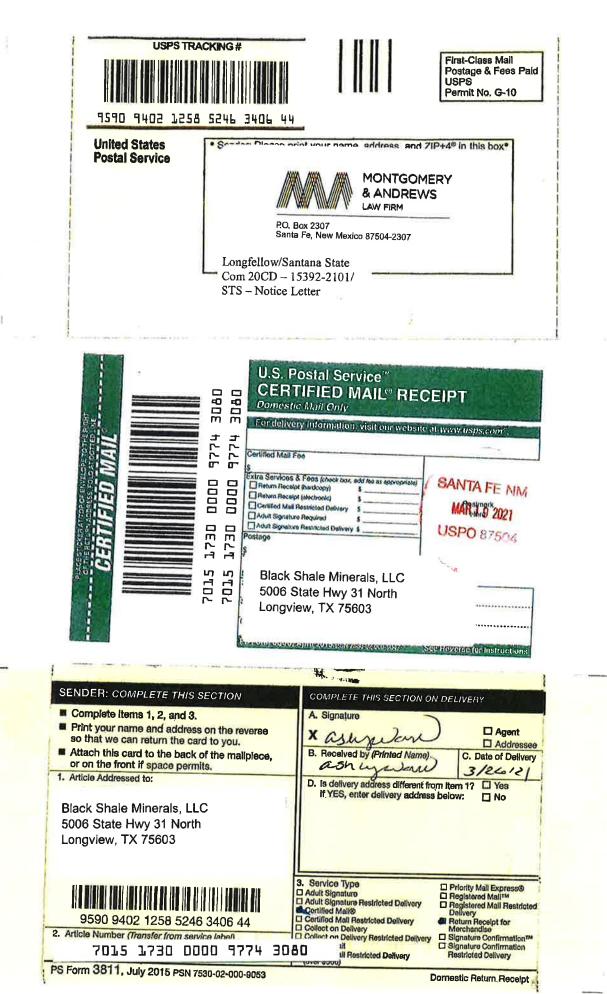
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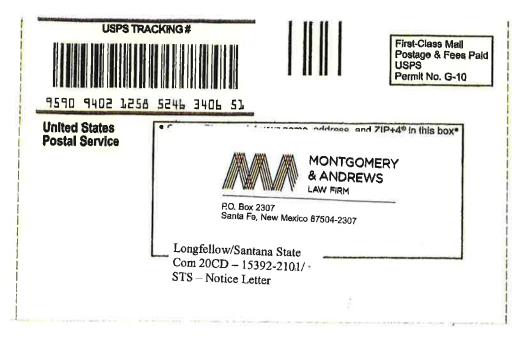


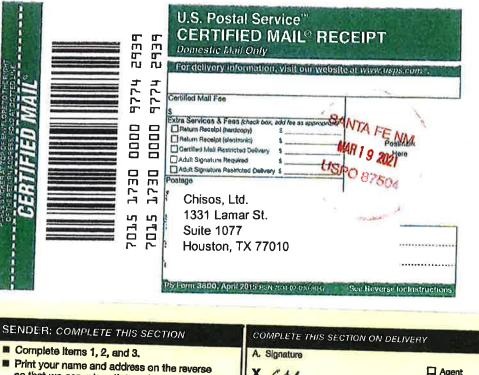




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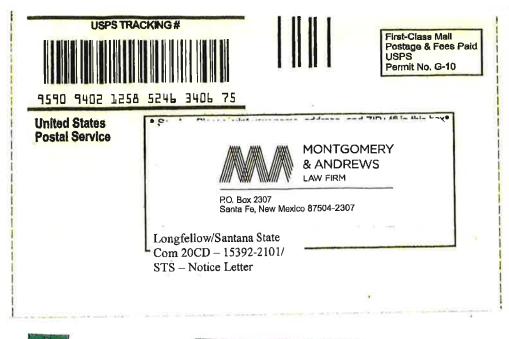




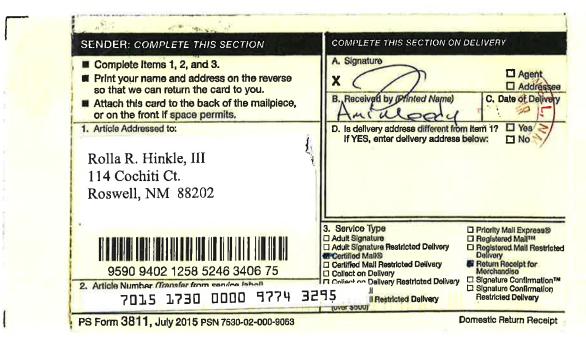
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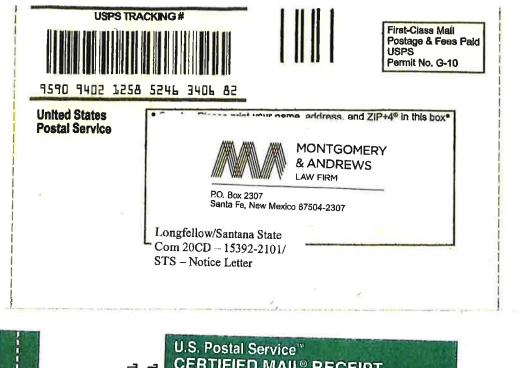
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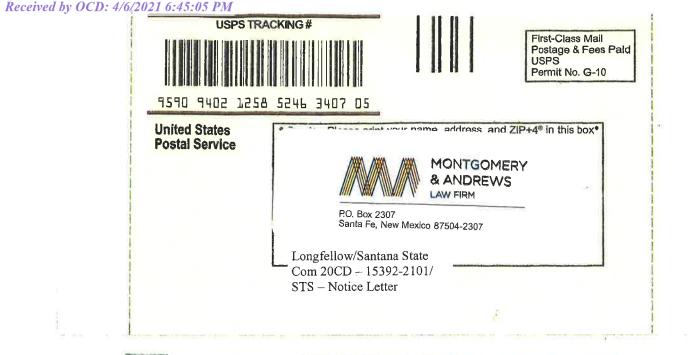




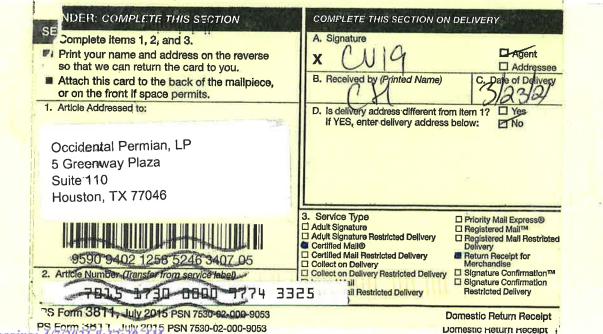




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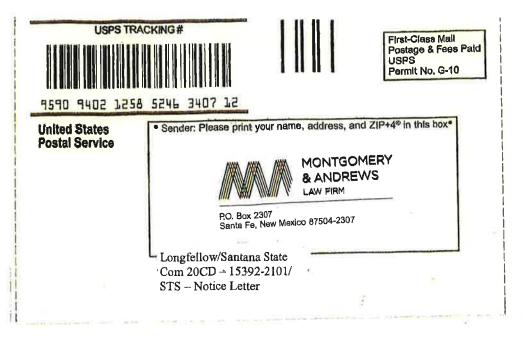


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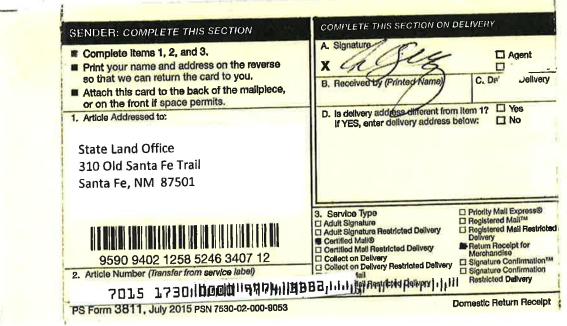
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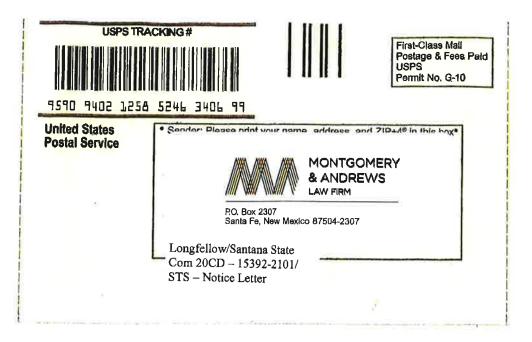
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	Richardson Mineral & Royalty, LLC 105 West 3 <sup>rd</sup> St #309 Roswell, NM 88201		

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USPS.com® - USPS Tracking® Results

FAQs >

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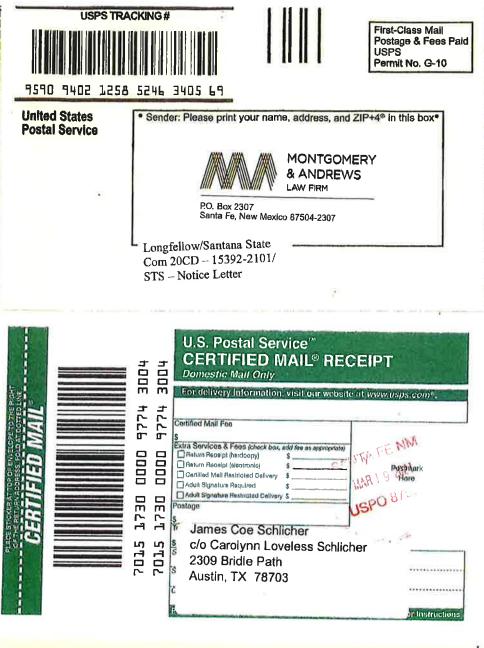
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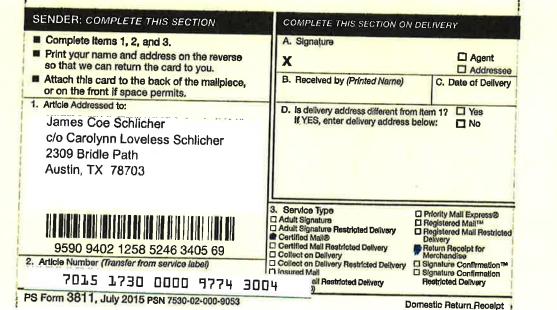
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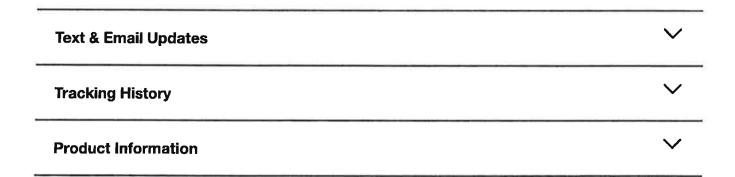
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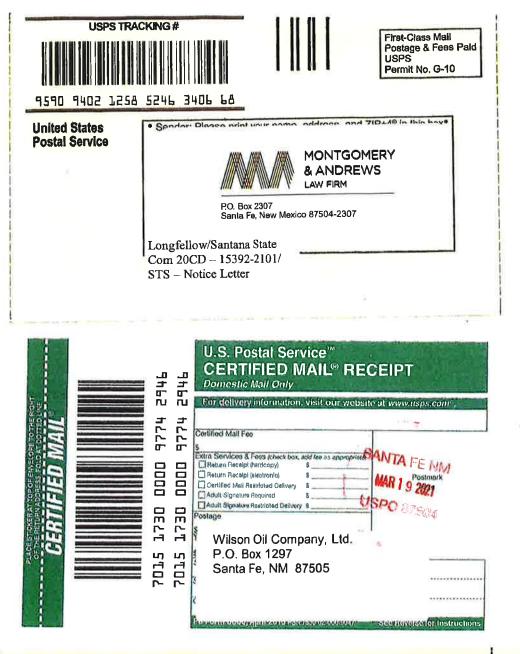
Your item was delivered to an individual at the address at 10:34 am on March 24, 2021 in AUSTIN, TX 78703.

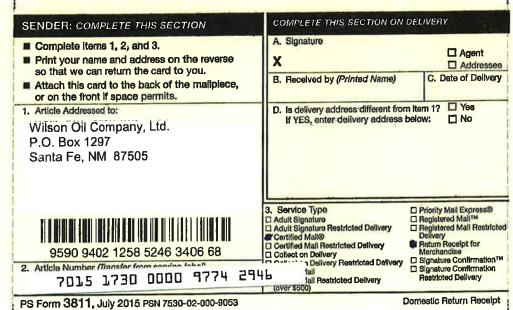
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Tracking Number: 70151730000097742946

Your item was delivered at 11:23 am on March 31, 2021 in SANTA FE, NM 87501.

**⊘** Delivered

March 31, 2021 at 11:23 am SANTA FE, NM 87501

Get Updates 🗸

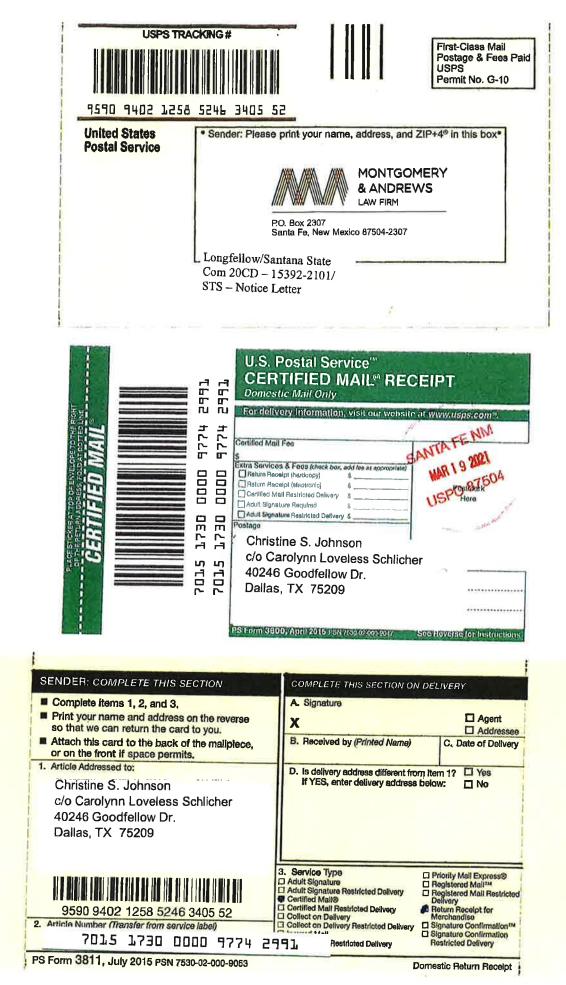
Wilson Oil Company, Ltd. P.O. Box 1297 Santa Fe, NM 87505

Feedback

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**Expected Delivery on** 

MONDAY

5 APRIL 2021 (2) by 9:00pm (2)

Christine S. Johnson c/o Carolynn Loveless Schlicher 40246 Goodfellow Dr. Dallas, TX 75209

### Out for Delivery, Expected Delivery by 9:00pm

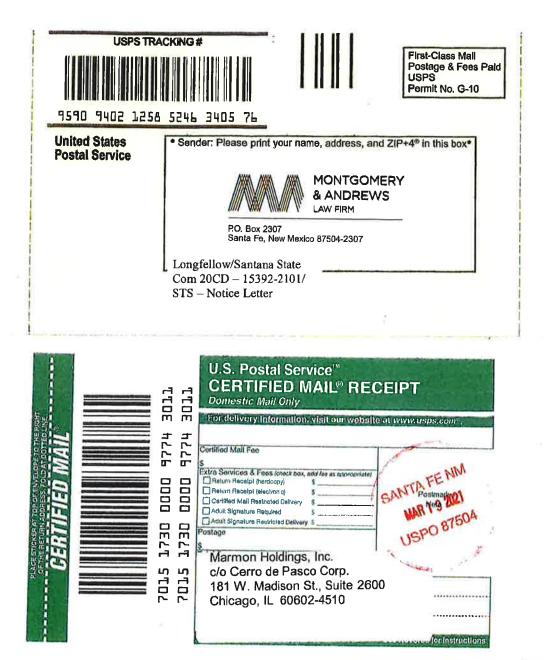
April 5, 2021 at 8:35 am DALLAS, TX 75220

Get Updates 🗸

Text & Email Updates	~
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<ul> <li>so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	B. Received by (Printed Name)	C. Date of Delivery
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Track Another Package +

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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.

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March 26, 2021	c/o Cerro de Pasco Corp.	Feedback
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Get Updates 🗸	Chicago, IL 60602-4510	

Text & Email Updates	$\checkmark$
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Product Information	$\checkmark$

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# Carlsbad Current Argus.

Affidavit of Publication Ad # 0004655056 This is not an invoice

#### MONTGOMERY & ANDREWS P.A. PO BOX 2307

#### SANTA FE, NM 87504

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

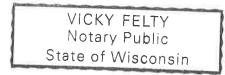
03/23/2021

Legal Clerk

Subscribed and sworn before me this March 23, 2021:

State of WI, dounty of Brown NOTARY

My commission expires



Ad # 0004655056 PO #: Case No 21792 # of Affidavits1

This is not an invoice

**EXHIBIT B - AFFIDAVIT OF NOTICE** 

#### NOTICE

To the following entities, individuals, their heirs, personal representatives, trustees, successors or assigns, and any other uncommitted interest owners:

committed interest owners: SEP Permian, LLC; Christine S. Johnson, do Carolynn Loveless Schlicher; James Coe Schlicher, do Carolynn Loveless Schlicher; Marmon Holdings, Inc., do Cerro de Pasco Corp.; ConocoPhillips Company; Occidental Permian Limited Partnership; OXY USA WTP, LP; Gretchen Beidler Nearburg, do Eugene E. Nearburg, Lucinda Loveless, Individually, as Trustee, and her successors in interest as trustee of the Lucinda Loveless Revocable Trust dated December 21, 2006, as amended and restated; Apache Corporation; Black Shale Minerals, LLC; Chisos, Ltd.; Wilson Oil Company, Ltd.; Rolla R. Hinkle, III; Penasco Petroleum, LLC; Richardson Mineral & Royalty, LLC; Occidental Permian, LP; State Land Office.

Longfellow Energy, LP, has filed an application with the New Mexico Oil Conservation Division as follows:

Case No 21792. Application of Longfellow Energy, LP for Com-pulsory Pooling and for Appro-val of a Non-Standard Location, Eddy County, New Mexico. Ap-plicant in the above-styled cause seeks an order from the Division median all uncommitted interseeks an order from the Drivision pooling all uncommitted inter-ests in the Yeso (96830)) in a standard 320-arce, more or less, horizontal spacing and proration unit ("HSU") com-prised of the 5/2 of Section 20, Township 17 South, Range 28 East, NMPM, in Eddy County, New Mexico. Applicant propos-es to drill the following wells: (1) Santana State Com 20CD 001H well, to be horizontally drilled from an approximate surface hole location 1295' FSL and 200' FWL of Section 21, T175-R28E, to an approximate bottom hole lo-cation 2301' FSL and 100' FWL of Section 20, T175-R28E; (2) Santa-na State Com 20CD 002H well, to be horizontally drilled from an approximate surface hole lo-cation 1270' FSL and 200' FWL of Section 21, T175-R28E; to an ap-proximate bottom hole location 1851' FSL and 100' FWL of Section 20, T175-R28E; (3) Santana State Com 20CD 003H well, to be horizontally drilled from an approximate surface hole loc-tion 124' FSL and 200' FWL of Section 21, T175-R28E; to an ap-proximate bottom hole location 1851' FSL and 100' FWL of Sec-tion 20, T175-R28E; (4) Santana State Com 20CD 003H well, to be horizontally drilled from an approximate surface hole loca-tion 120' FSL and 200' FWL of Section 21, T175-R28E; to an ap-proximate bottom hole location 105' FSL and 100' FWL of Sec-tion 20, T175-R28E; (4) Santana State Com 20CD 004H well, to be horizontally drilled from an approximate surface hole loca-tion 1195' FSL and 200' FWL of Section 21, T175-R28E; to an ap-proximate bottom hole location 105' FSL and 100' FWL of Sec-tion 20, T175-R28E; and 200' FWL of Section 21, T175-R28E; to an ap-proximate bottom hole location 20, T175-R28E; and 200' FWL of Sec-tion 1195' FSL and 200' FWL of Section 21, T175-R28E; to an ap-proximate bottom hole location 20, T175-R28E; and 200' FWL of Sec-tion 1170' FSL and 200' FWL of Sec-tion 1170' FSL and 200' FWL of Section 21, T175-R28E; to an ap-proximate bottom hole location 20, T175-R28E; and 200' FWL of Section 21, T175-R28E; to an ap-proximate bottom hole location Applicant requests approval of an unorthodox location for the Santana State Com 20CD 006H because the completed interval is closer than 330' from the outer boundary of the HSU. Also to be considered will be the cost of drilling and completing the wells and the allocation of the vells and the allocation of Applicant as Operator of the wells, and a 200% charge for the risk involved in drilling and completing the wells. The wells and lands are located approximately 14 miles west of Loto Hills, New Mexico.

Ing the wells. The wells and lands are located approximately 14 miles west of Loco Hills, New Mexico. This application will be set for hearing before a Division Examiner at the New Mexico Oil Conservation Division in Santa Fe, New Mexico on April 8, 2021, at 8:15 a.m. During the COVID-19 Public Health Emergency, state buildings are closed to the public and hearings will be conducted remotely. The hearing will be conducted on April 8, 2021 beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the docket for the hearing date: http://www.emnrd.state.nm.us/O CD/hearings.html. You are not required to attend this hearing, but as an owner of an interest that may be affected, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging this application at a later time. If you intend to attend the hearing and present testimony or evidence, you must enter your appearance by March 31, 2021, and serve the Division, counsel for the Applicant, and other parties with a pre-hearing statement by April 1, 2021, in accordance with Division Rule 19.15.4.13 NMAC. For further information, contact the applicant's attorney, Sharon T, Shaheen, Montgomery & Andrews, P.A., 325 Paseo de Peralta, Santa Fe, New Mexico 87501, (505) 986-2678. 00004655056, Current Argus, March 23, 2021