

COMPULSORY POOLING APPLICATION CHECKLIST

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case: 23052	APPLICANT'S RESPONSE				
Date	October 6, 2022				
Applicant	COG Operating LLC				
Designated Operator & OGRID (affiliation if applicable)	229137				
Applicant's Counsel:	Holland & Hart LLP				
Case Title:	APPLICATION OF COG OPERATING LLC FOR COMPULSORY POOLING, Eddy County, NEW MEXICO.				
Entries of Appearance/Intervenors:	N/A				
Well Family	Atticus wells				
Formation/Pool					
Formation Name(s) or Vertical Extent:	Wolfcamp				
Primary Product (Oil or Gas):	Oil				
Pooling this vertical extent:	N/A				
Pool Name and Pool Code:	Purple Sage; Wolfcamp (Gas) (98220)				
Well Location Setback Rules:	Special Rules enacted under Order R-14262				
Spacing Unit Size:	960 acres				
Spacing Unit					
Type (Horizontal/Vertical)	Horizontal				
Size (Acres)	960-acres				
Building Blocks:	320-acres or Quarter Sections				
Orientation:	South-North				
Description: TRS/County	E/2 of Sections 24, 25 and 36, Township 25 South, Range 27 Eas NMPM, in Eddy County				
Standard Horizontal Well Spacing Unit (Y/N), If No, describe	Yes				
Other Situations					
Depth Severance: Y/N. If yes, description	No				
Proximity Tracts: If yes, description	No				
Proximity Defining Well: if yes, description	N/A				
Applicant's Ownership in Each Tract	See Exhibit A-3				
Well(s)					
Name & API (if assigned), surface and bottom hole location,					
footages, completion target, orientation, completion status					
(standard or non-standard) Well #1	Atticus State Com 701H (30-015-49628)				
עעפוו אב	SHL: 315' FSL & 960' FEL (Unit P) of Section 36				
	BHL: 200' FNL & 450' FEL (Unit A) of Section 24				
	Completion Target: Wolfcamp formation				
	Well Orientation: south to north				
Released to Imaging: 10/6/2022 11:05:36 AM	Completion Location expected to be: Standard				

Atticus state Com 702H (30-015-49629) SH: 315' FSL 8-90' FEL (Unit P) of Section 36 BH: 20' FNL 8. 1350' FEL (Unit P) of Section 34 Completion Target: Wolfcamp formation Well Orientation: south to north Completion Location expected to be: Standard Atticus State Com 703H (30-015-49630) SH: 345' FSL 8-2618' FWL (Unit N) of Section 36 BH: 200' FNL 8. 252' FEL (Unit R) of Section 36 BH: 200' FNL 8. 252' FEL (Unit R) of Section 36 BH: 200' FNL 8. 252' FEL (Unit R) of Section 36 BH: 200' FNL 8. 252' FEL (Unit R) of Section 24 Completion Target: Wolfcamp formation Well Orientation: south to north Completion Target: Wolfcamp formation Well Orientation: south to north Completion Target (Formation, TVD and MD) Exhibit A-2 AFE Capex and Operating Costs Drilling Supervision/Month 5 S8.000 Drilling Supervision/Month 5 S8.0	Received by OCD: 10/4/2022 2:19:42 PM		Page 3 of 51
SHL: 343: FSI. 8. 2618' FWL (Unit N) of Section 36 BHL: 200' FNI. & 2250' FEL (Unit N) of Section 24 Completion Target: Wolfcamp formation Well Orientation: south to north Completion Location expected to be: Standard Horizontal Well First and Last Take Points Exhibit A-2 Completion Target (Formation, TVD and MD) Exhibit A-4 AFE Capex and Operating Costs Drilling Supervision/Month S S8.000 Production Supervision/Month S S8.000 Justification for Supervision Costs Exhibit A Requested Risk Charge Notice of Hearing Proposed Notice of Hearing Proof of Published Notice of Hearing (20 days before hearing) Proof of Published Notice of Hearing (10 days before hearing) Proof of Published Notice of Hearing (10 days before hearing) Americal Exhibit A-3 Comership Determination Land Ownership Schematic of the Spacing Unit Exhibit A-3 Pooled Parties (including ownership type) Exhibit A-3 Pooled Parties (including ownership type) Exhibit A-3 Joinder Sample Copy of Proposal Letter Exhibit A-4 Exhibit A-4 Exhibit A-4 Exhibit A-5 Overhead Rates In Proposal Letter Exhibit A-4 Exhibit A-4 Exhibit A-4 Exhibit A-4 Echibit B-A E		SHL: 315' FSL & 990' FEL (Unit P) of Section 36 BHL: 20' FNL & 1350' FEL (Unit B) of Section 24 Completion Target: Wolfcamp formation Well Orientation: south to north	
Completion Target (Formation, TVD and MD) Exhibit A-4 AFE Capex and Operating Costs Drilling Supervision/Month \$ S800 Justification for Supervision Costs Exhibit A Requested Risk Charge 200% Notice of Hearing Proposed Notice of Hearing (20 days before hearing) Proof of Mailed Notice of Hearing (10 days before hearing) Proof of Published Notice of Hearing (10 days before hearing) N/A Ownership Determination Land Ownership Schematic of the Spacing Unit Tract List (including lease numbers and owners) Exhibit A-3 Tract List (including ownership type) Exhibit A-3 Unlocatable Parties to be Pooled Ownership Depth Severance (including percentage above & below) N/A Joinder Sample Copy of Proposal Letter Exhibit A-3 Exhibit A-4 List of Interest Owners (ie Exhibit A of JOA) Exhibit A-3 Chronology of Contact with Non-Joined Working Interests Overhead Rates In Proposal Letter Exhibit A-4 Cost Estimate to Drill and Complete Exhibit A-4 Cost Estimate to Drill and Complete Exhibit A-4 Geology Summary (including special considerations) Exhibit B	Well #3	SHL: 345' FSL & 2618' FWL (Unit N) of Section 36 BHL: 200' FNL & 2250' FEL (Unit B) of Section 24 Completion Target: Wolfcamp formation Well Orientation: south to north	
AFE Capex and Operating Costs Drilling Supervision/Month \$ \$8,000 Production Supervision/Month \$ \$800 Justification for Supervision Costs Requested Risk Charge Notice of Hearing Proposed Notice of Hearing Proposed Notice of Hearing (20 days before hearing) Proof of Mailed Notice of Hearing (10 days before hearing) Proof of Published Notice of Hearing (10 days before hearing) Amount of Published Notice of Hearing (10 days before hearing) Land Ownership Determination Land Ownership Determination Land Ownership Schematic of the Spacing Unit Exhibit A-3 Tract List (including lease numbers and owners) Exhibit A-3 Pooled Parties (including ownership type) Unlocatable Parties to be Pooled Ownership Depth Severance (including percentage above & below) N/A Joinder Sample Copy of Proposal Letter List of Interest Owners (ie Exhibit A of JOA) Exhibit A-3 Exhibit A-3 Chronology of Contact with Non-Joined Working Interests Overhead Rates In Proposal Letter Exhibit A-4 Cost Estimate to Drill and Complete Exhibit A-4 Cost Estimate to Equip Well Exhibit A-4 Cost Estimate to Equip Well Exhibit A-4 Geology Summary (including special considerations) Exhibit B	Horizontal Well First and Last Take Points	Exhibit A-2	
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The state of the s	Geology		
Spacing Unit Schematic Released to Imaging: 10/6/2022 11:05:36 AM	Summary (including special considerations)	Exhibit B	
	Spacing Unit Schematic Released to Imaging: 10/6/2022 11:05:36 AM	Exhibit B-2	

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Gunbarrel/Lateral Trajectory Schematic	Exhibit B-2
Well Orientation (with rationale)	Exhibit B
Target Formation	Exhibit B
HSU Cross Section	Exhibit B-4
Depth Severance Discussion	N/A
Forms, Figures and Tables	
A-102	Exhibit A-2
Tracts	Exhibit A-3
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit A-3
General Location Map (including basin)	Exhibit B-1
Well Bore Location Map	Exhibit A-2, B-2
Structure Contour Map - Subsea Depth	Exhibit B-2
Cross Section Location Map (including wells)	Exhibit B-3
Cross Section (including Landing Zone)	Exhibit B-4
Additional Information	
Special Provisions/Stipulations	N/A

Date:

COMPULSORY POOLING APPLICATION CHECKLIST

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

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Date	October 6, 2022					
Applicant	COG Operating LLC					
Designated Operator & OGRID (affiliation if applicable)	229137					
Applicant's Counsel:	Holland & Hart LLP					
Case Title:	APPLICATION OF COG OPERATING LLC FOR COMPULSORY POOLING, Eddy County, NEW MEXICO.					
Entries of Appearance/Intervenors:	N/A					
Well Family	Atticus wells					
Formation/Pool						
Formation Name(s) or Vertical Extent:	Wolfcamp					
Primary Product (Oil or Gas):	Oil					
Pooling this vertical extent:	N/A					
Pool Name and Pool Code:	Purple Sage; Wolfcamp (Gas) (98220)					
Well Location Setback Rules:	Special Rules enacted under Order R-14262					
Spacing Unit Size:	960 acres					
Spacing Unit						
Type (Horizontal/Vertical)	Horizontal					
Size (Acres)	960-acres					
Building Blocks:	320-acres or Quarter Sections					
Orientation:	South-North					
Description: TRS/County	W/2 of Sections 24, 25 and 36, Township 25 South, Range 27 Ea NMPM, in Eddy County					
Standard Horizontal Well Spacing Unit (Y/N), If No, describe	Yes					
Other Situations						
Depth Severance: Y/N. If yes, description	No					
Proximity Tracts: If yes, description	No					
Proximity Defining Well: if yes, description	N/A					
Applicant's Ownership in Each Tract	See Exhibit A-3					
Well(s)						
Name & API (if assigned), surface and bottom hole location,						
footages, completion target, orientation, completion status						
(standard or non-standard)						
Well #1	Atticus State Com 704H (30-015-49631)					
	SHL: 345' FSL & 2588' FWL (Unit N) of Section 36					
	BHL: 200' FNL & 2130' FWL (Unit C) of Section 24					
	Completion Target: Wolfcamp formation					
	Well Orientation: south to north					
Released to Imaging: 10/6/2022 11:05:36 AM	Completion Location expected to be: Standard					

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Well #2	Atticus State Com 705H (30-015-49632) SHL: 330' FSL & 807' FWL (Unit M) of Section 36 BHL: 200' FNL & 1230' FWL (Unit D) of Section 24 Completion Target: Wolfcamp formation Well Orientation: south to north Completion Location expected to be: Standard	
Well #3	Atticus State Com 706H (30-015-49633) SHL: 330' FSL & 777' FWL (Unit M) of Section 36 BHL: 200' FNL & 330' FWL (Unit D) of Section 24 Completion Target: Wolfcamp formation Well Orientation: south to north Completion Location expected to be: Standard	
Horizontal Well First and Last Take Points	Exhibit A-2	
Completion Target (Formation, TVD and MD)	Exhibit A-4	
AFE Capex and Operating Costs		
Drilling Supervision/Month \$	\$8,000	
Production Supervision/Month \$	\$800	
Justification for Supervision Costs	Exhibit A	
Requested Risk Charge	200%	
Notice of Hearing		
Proposed Notice of Hearing	See Application	
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit C	
Proof of Published Notice of Hearing (10 days before hearing)	N/A	
Ownership Determination		
Land Ownership Schematic of the Spacing Unit	Exhibit A-3	
Tract List (including lease numbers and owners)	Exhibit A-3	
Pooled Parties (including ownership type)	Exhibit A-3	
Unlocatable Parties to be Pooled	N/A	
Ownership Depth Severance (including percentage above & below)	N/A	
Joinder		
Sample Copy of Proposal Letter	Exhibit A-4	
List of Interest Owners (ie Exhibit A of JOA)	Exhibit A-3	
Chronology of Contact with Non-Joined Working Interests	Exhibit A-5	
Overhead Rates In Proposal Letter	Exhibit A-4	
Cost Estimate to Drill and Complete	Exhibit A-4	
Cost Estimate to Equip Well	Exhibit A-4	
Cost Estimate for Production Facilities	Exhibit A-4	
Geology		
Summary (including special considerations)	Exhibit B	
Spacing Unit Schematic Released to Imaging: 10/6/2022 11:05:36 AM	Exhibit B-2	
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Cross Section Location Map (including wells)	Exhibit B-3
Cross Section (including Landing Zone)	Exhibit B-4
Additional Information	
Special Provisions/Stipulations	N/A
CERTIFICATION: I hereby certify that the information	provided in this checklist is complete and accurate.

Michael H. Feldewert

4-00

Printed Name (Attorney or Party Representative):

Signed Name (Attorney or Party Representative):

Date:

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

APPLICATION OF COG OPERATING, LLC FOR COMPULSORY POOLING, EDDY COUNTY, NEW MEXICO.

CASE NO. 23052

APPLICATION

COG Operating, LLC ("Applicant") (OGRID No. 229137), through its undersigned attorneys, hereby files this application with the Oil Conservation Division pursuant to the provisions of NMSA 1978, § 70-2-17, for an order pooling all uncommitted interests in the Wolfcamp formation underlying a standard 960-acre, more or less, horizontal spacing unit comprised of the E/2 of Sections 24, 25 and 36, Township 25 South, Range 27 East, Eddy County, New Mexico. In support of its application, COG states:

- 1. Applicant is a working interest owner in the proposed horizontal spacing unit and has the right to drill thereon.
- 2. Applicant seeks to initially dedicate the above-referenced horizontal spacing unit to the following proposed wells:
 - the Atticus State Com 701H and the Atticus State Com 702H wells to be drilled from a common surface hole location in the SE/4 SE/4 (Unit P) of Section 36 to bottom hole locations, respectively, in the NE/4 NE/4 (Unit A) and the NW/4 NE/4 (Unit B) of Section 24; and
 - the Atticus State Com 703H well, to be drilled from a surface hole location in SE/4 SW/4 (Unit N) of Section 36 to a bottom hole location in the NW/4 NE/4 (Unit B) of Section 24.

- 3. Applicant has sought and been unable to obtain voluntary agreement for the development of these lands from all the interest owners in the subject spacing unit.
- 4. The pooling of interests will avoid the drilling of unnecessary wells, will prevent waste and will protect correlative rights.
- 5. To allow Applicant to obtain a just and fair share of the oil and gas underlying the subject lands, all uncommitted interests in this horizontal spacing unit should be pooled and Applicant should be designated the operator of the proposed horizontal well spacing unit.

WHEREFORE, Applicant requests that this application be set for hearing before an Examiner of the Oil Conservation Division on October 6, 2022, and, after notice and hearing as required by law, the Division enter an order:

- A. Pooling all uncommitted interests in the horizontal spacing unit;
- B. Approving the initial wells in the horizontal spacing unit;
- C. Designating Applicant as the operator of this spacing unit and the horizontal wells to be drilled thereon;
- D. Authorizing Applicant to recover its costs of drilling, equipping, and completing the wells;
- E. Approving the actual operating charges and costs of supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedures; and
- F. Imposing a 200% charge for the risk assumed by Applicant in drilling and completing the wells against any working interest owner who does not voluntarily participate in the drilling of the wells.

Respectfully submitted,

HOLLAND & HART LLP

By:

Michael H. Feldewert
Adam G. Rankin
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ATTORNEYS FOR COG OPERATING, LLC

CASE ______: Application of COG Operating, LLC for compulsory pooling, Eddy County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interest owners in the Wolfcamp formation underlying a standard 960-acre, more or less, horizontal spacing unit comprised of the E/2 of Sections 24, 25 and 36, Township 25 South, Range 27 East, Eddy County, New Mexico. Applicant seeks to dedicate the above-referenced horizontal spacing unit to the to the following proposed wells:

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- the Atticus State Com 703H well, to be drilled from a surface hole location in SE/4 SW/4 (Unit N) of Section 36 to a bottom hole location in the NW/4 NE/4 (Unit B) of Section 24. Also, to be considered will be the cost of drilling and completing the wells, the allocation of the cost thereof, the actual operating costs and charges for supervision, the designation of applicant as operator, and the imposition of 200% charge for risk involved in drilling and completing each well. Said area is located approximately 8 miles south of Malaga, New Mexico.

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

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- 2. Applicant seeks to initially dedicate the above-referenced horizontal spacing unit to the following proposed wells:
 - the **Atticus State Com 704H** well, to be drilled from a surface hole location in SE/4 SW/4 (Unit N) of Section 36 to a bottom hole location in the NE/4 NW/4 (Unit C) of Section 24; and
 - the Atticus State Com 705H and the Atticus State Com 706H wells to be drilled from a common surface hole location in the SW/4 SW/4 (Unit M) of Section 36 to bottom hole locations in the NW/4 NW/4 (Unit D) of Section 24.

- 3. Applicant has sought and been unable to obtain voluntary agreement for the development of these lands from all the interest owners in the subject spacing unit.
- 4. The pooling of interests will avoid the drilling of unnecessary wells, will prevent waste, and will protect correlative rights.
- 5. To allow Applicant to obtain a just and fair share of the oil and gas underlying the subject lands, all uncommitted interests in this horizontal spacing unit should be pooled and Applicant should be designated the operator of the proposed horizontal well spacing unit.

WHEREFORE, Applicant requests that this application be set for hearing before an Examiner of the Oil Conservation Division on October 6, 2022, and after notice and hearing as required by law, the Division enter an order:

- A. Pooling all uncommitted interests in the horizontal spacing unit;
- B. Approving the initial wells in the horizontal spacing unit;
- C. Designating Applicant as the operator of this spacing unit and the horizontal wells to be drilled thereon;
- D. Authorizing Applicant to recover its costs of drilling, equipping, and completing the wells;
- E. Approving the actual operating charges and costs of supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedures; and
- F. Imposing a 200% charge for the risk incurred by Applicant in drilling and completing the wells against any working interest owner who does not voluntarily participate in the drilling of the wells.

Respectfully submitted,

HOLLAND & HART LLP

By:

Michael H. Feldewert
Adam G. Rankin
Julia Broggi
Paula M. Vance
Post Office Box 2208
Santa Fe, New Mexico 87504-2208
(505) 988-4421
(505) 983-6043 Facsimile
mfeldewert@hollandhart.com
agrankin@hollandhart.com
jbroggi@hollandhart.com
pmvance@hollandhart.com

ATTORNEYS FOR COG OPERATING LLC

CASE _____: Application of COG Operating, LLC for compulsory pooling, Eddy County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interest owners in the Wolfcamp formation underlying a standard 960-acre, more or less, horizontal spacing unit comprised of the W/2 of Sections 24, 25 and 36, Township 25 South, Range 27 East, Eddy County, New Mexico. Applicant seeks to initially dedicate the above-referenced horizontal spacing unit to the to the following proposed wells:

- the **Atticus State Com 704H** well, to be drilled from a surface hole location in SE/4 SW/4 (Unit N) of Section 36 to a bottom hole location in the NE/4 NW/4 (Unit C) of Section 24; and
- the **Atticus State Com 705H** and the At**ticus State Com #706H** wells to be drilled from a common surface hole location in the SW/4 SW/4 (Unit M) of Section 36 to bottom hole locations in the NW/4 NW/4 (Unit D) of Section 24.

Also, to be considered will be the cost of drilling and completing the wells, the allocation of the cost thereof, the actual operating costs and charges for supervision, the designation of applicant as operator, and the imposition of 200% charge for risk involved in drilling and completing each well. Said area is located approximately 8 miles south of Malaga, New Mexico.

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

APPLICATION OF COG OPERATING LLC FOR COMPULSORY POOLING, EDDY COUNTY, NEW MEXICO.

CASE NOS. 23052 & 23053

SELF-AFFIRMED STATEMENT OF SHELLEY KLINGLER

1. My name is Shelley Klingler and I am a Landman with COG Operating LLC

("COG"), now a wholly-owned subsidiary of ConocoPhillips Company. I am familiar with the

applications filed by COG in these consolidated cases and the status of the lands in the subject

area.

2. **COG Exhibit A-1** contains a summary of my educational background and work

experience. I believe that these credentials qualify me to testify as an expert witness in

petroleum land matters.

3. In these consolidated cases, COG seeks orders pooling all uncommitted

interests in the Wolfcamp formation [Purple Sage; Wolfcamp Pool (Pool Code 98220]

underlying Sections 24, 25 and 36, Township 25 South, Range 27 East, NMPM, in Eddy

County as follows:

• Under <u>Case 23052</u>, COG seeks an order pooling all uncommitted interest

owners in the Wolfcamp formation underlying a standard 960-acre

horizontal well spacing unit comprised of the E/2 of Sections 24, 25 and

36 to be initially dedicated to the following proposed wells:

o the Atticus State Com 701H and the Atticus State Com 702H wells

to be drilled from a common surface hole location in the SE/4 SE/4

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico

Exhibit No. A

Submitted by: COG Operating LLC Hearing Date: October 6, 2022

Hearing Date: October 6, 2022

Case Nos. 23052-23053

- (Unit P) of Section 36 to bottom hole locations, respectively, in the NE/4 NE/4 (Unit A) and the NW/4 NE/4 (Unit B) of Section 24; and
- o the **Atticus State Com 703H** well, to be drilled from a surface hole location in SE/4 SW/4 (Unit N) of Section 36 to a bottom hole location in the NW/4 NE/4 (Unit B) of Section 24.
- Under <u>Case 23053</u>, COG seeks an order pooling all uncommitted interest owners in the Wolfcamp formation underlying a standard 960-acre horizontal well spacing unit comprised of the W/2 of Sections 24, 25 and 36 to be initially dedicated to the following proposed wells:
 - o The Atticus State Com 704H well, to be drilled from a surface hole location in SE/4 SW/4 (Unit N) of Section 36 to a bottom hole location in the NE/4 NW/4 (Unit C) of Section 24; and
 - o The Atticus State Com 705H and the Atticus State Com 706H wells to be drilled from a common surface hole location in the SW/4 SW/4 (Unit M) of Section 36 to bottom hole locations in the NW/4 NW/4 (Unit D) of Section 24.
- 4. **COG Exhibit A-2** contains Form C-102s for each of the initial wells proposed for these standard spacing units.
- 5. No ownership depth severance exists in the Wolfcamp formation underlying the subject acreage.
- 6. **COG Exhibit A-3** identifies the tracts of state and fee lands comprising the proposed horizontal spacing units in each case. This exhibit identifies the interest owners and the

percentage of their interest by tract and on a spacing unit basis. COG is seeking to pool the uncommitted interest owners highlighted in yellow on the exhibit.

- 7. **COG Exhibit A-4** contains a sample of the well proposal letters and AFEs for each well that were sent to the working interest owners COG seeks to pool. The costs reflected in these AFEs are consistent with what other operators have incurred for drilling similar horizontal wells in the area in these formations.
- 8. COG requests that the overhead and administrative costs for drilling and producing the proposed wells be set at \$8,000 per month while drilling and \$800 per month while producing. These costs are consistent with what other operators are charging in this area for similar wells.
- 9. **COG Exhibit A-5** contains a chronology of contacts with the uncommitted interest owners that COG seeks to pool. All these interest owners have been located and COG has made good faith efforts to reach a voluntary agreement with each of these uncommitted owners.
- 10. COG provided the law firm of Holland & Hart LLP with the names and addresses of the parties that COG seeks to pool and instructed that they be notified of this hearing.
- 11. **COG Exhibits A-1 through A-5** were either prepared by me or compiled under my direction and supervision.
- 12. I affirm under penalty of perjury under the laws of the State of New Mexico that the foregoing statements are true and correct. I understand that this self-affirmed statement will be used as written testimony in this case. This statement is made on the date next to my signature below.

10/4/2022 Date

SHELLEY C. KLINGLER, CPL

Staff Land, ConocoPhillips, Midland, TX, February 2022 – Present

Land Advisor, Independent, Oklahoma City, OK, & Midland, TX, January 2020 – February 2022

Land Advisor, Anadarko Petroleum (now Oxy), Midland, TX, April 2019 – January 2020

Planning Supervisor/Landman, Devon Energy, Oklahoma City, OK, September 2013 – March 2019

University of Phoenix, Business Management degree, 2013

Landman, Continental Land Resources, Edmond, OK, 2006 – 2013

Independent Land professional – Part-time from 1987-2006

United States Navy, Naval Security Group, Intelligence Department, 1989 – 1996

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. A1
Submitted by: COG Operating LLC
Hearing Date: October 6, 2022
Case Nos. 23052-23053

Exhibit No. A2 **Submitted by: COG Operating LLC** Hearing Date: October 6, 2022

Case Nos. 23052-23053

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

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

District IV

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

State of New Mexico

Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

Form C-102

WELL LOCATION AND ACREAGE DEDICATION PLAT

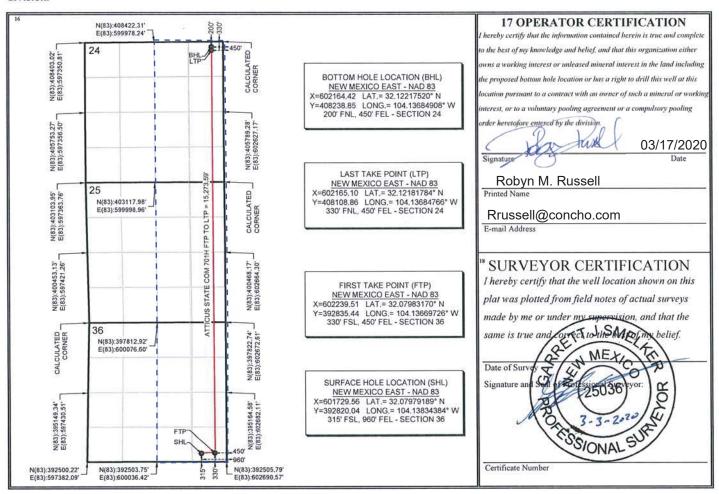
1 API Number	2 Pool Code	3 Pool Name		
30-015- 49628	98220	Purple Sage; Wolfcamp		
4 Property Code	5 P.	6 Well Number		
327322	ATTICU	701H		
7 OGRID No.		perator Name	9 Elevation	
229137		ERATING LLC	3095'	

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	36	25-S	27-E		315'	SOUTH	960'	EAST	EDDY
						0 - 100 -	~ 0		

Bottom Hole Location If Different From Surface

UL or lot no.	Section 24	Township 25-S	Range 27-E	Lot Idn	Feet from the 200'	North/South line NORTH	Feet from the 450'	East/West line EAST	County EDDY
12 Dedicated Acres	13 Joint	or Infill 14	4 Consolidation	Code 15 O	rder No.				



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

1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462 State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

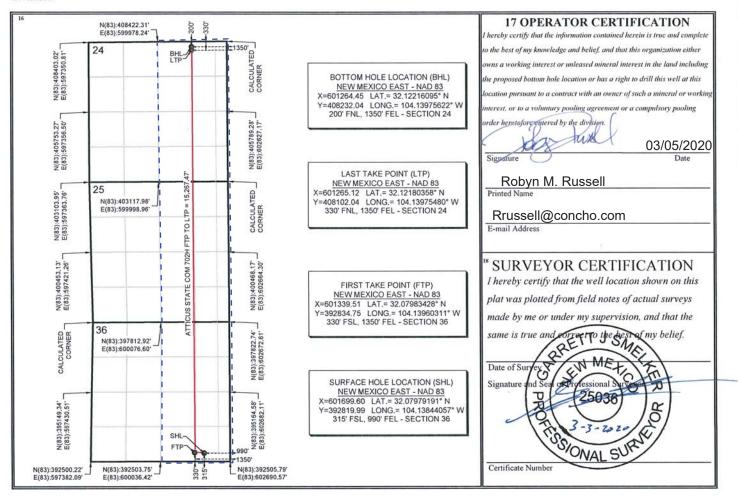
1 API Number 30-015- <mark>49629</mark>		2 Pool Code 98220	3 Pool Name Purple Sage; Wolfcamp		
4 Property Code 327322		5 Property Name ATTICUS STATE COM			
7 OGRID No. 229137		8 Operato COG OPERA		9 Elevation 3096'	

¹⁰ Surface Location

- [UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	P	36	25-S	27-E		315'	SOUTH	990'	EAST	EDDY

"Bottom Hole Location If Different From Surface

UL or lot no.	Section 24	Township 25-S	Range 27-E	Lot Idn	Feet from the 200'	North/South line NORTH	Feet from the 1350'	East/West line EAST	County EDDY
12 Dedicated Acres	13 Joint o	or Infill 14	Consolidation	Code 15 O	rder No.				



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1000 Rio Brazos Road, Aztec, NM 87410

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

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WELL LOCATION AND ACREAGE DEDICATION PLAT

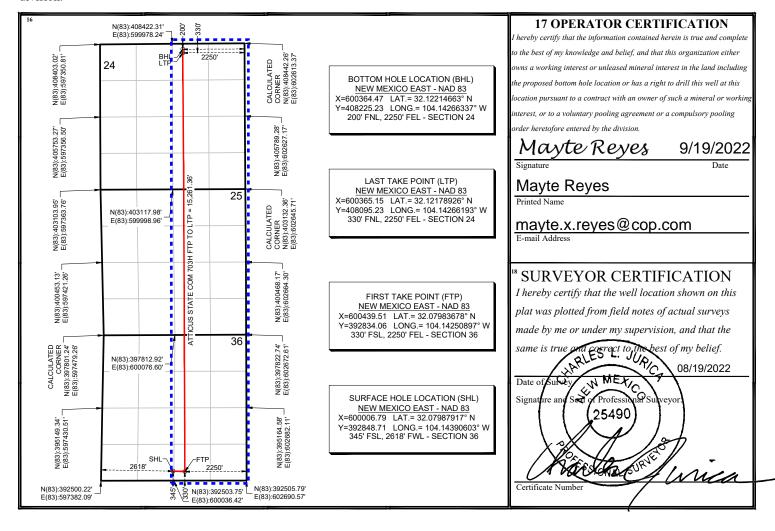
1 API Numbe 30-015-496	2 Pool Code 98220	^{3 Pool Name} Purple Sage; Wolfcamp (Gas)		
4 Property Code		roperty Name S STATE COM	6 Well Number 703H	
7 OGRID No. 229137		perator Name ERATING LLC	9 Elevation 3120.72'	

¹⁰ Surface Location

UL or lot	o. Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	36	25-S	27-E		345'	SOUTH	2618'	WEST	EDDY

11 Bottom Hole Location If Different From Surface

ár.			D(THOIH TIO	ie Location i	1 Different 1 10	III Dullace		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
В	24	25-S	27-E		200'	NORTH	2250'	EAST	EDDY
12 Dedicated Acr	es 13 Joint o	or Infill 1	4 Consolidation	Code 15 O	rder No.				
960									



1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II

District II

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<u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410

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WELL LOCATION AND ACREAGE DEDICATION PLAT

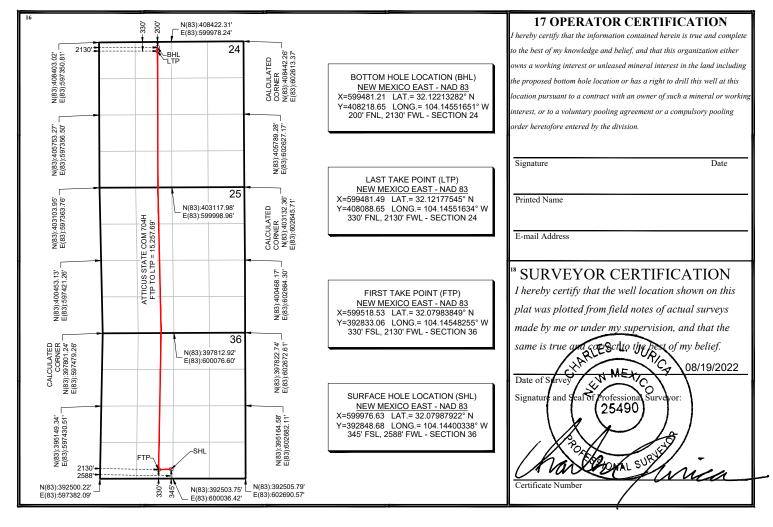
1 API Numbe 30-015-49631	2 Pool Code 98220	3 Pool Name PURPLE SAGE; WOLFCAMP	
4 Property Code 327322		roperty Name S STATE COM	6 Well Number 704H
7 OGRID No. 229137		perator Name ERATING LLC	9 Elevation 3121'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	36	25-S	27-E		345'	SOUTH	2588'	WEST	EDDY

11 Bottom Hole Location If Different From Surface

			" DC	шош по	ie Location i	I Different Fro	III Surface		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
С	24	25-S	27-E		200'	NORTH	2130'	WEST	EDDY
12 Dedicated Acres 13 Joint or Infill 14 Consolidation Co		Code 15 O	rder No.						



1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II

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District IV

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WELL LOCATION AND ACREAGE DEDICATION PLAT

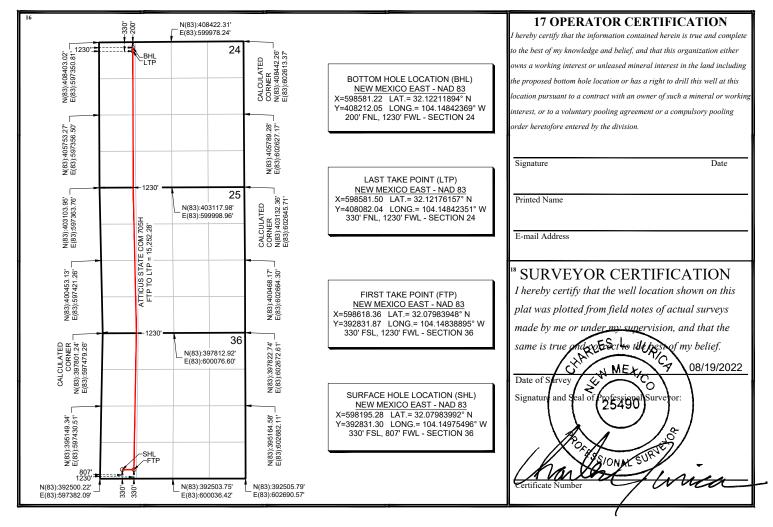
1 API Numbe 30-015-49632	2 Pool Code 98220	3 Pool Name PURPLE SAGE; WOLFCAMP	
4 Property Code 327322		roperty Name S STATE COM	6 Well Number 705H
7 OGRID No. 229137		perator Name ERATING LLC	9 Elevation 3143'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	36	25-S	27-E		330'	SOUTH	807'	WEST	EDDY

11 Bottom Hole Location If Different From Surface

in the second se			DO	ttom 110	ic Location i	1 Different 1 10	III Dullace		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	24	25-S	27-E		200'	NORTH	1230'	WEST	EDDY
12 Dedicated Acre 960	es 13 Joint o	r Infill 14	Consolidation	Code 15 O	rder No.				



1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II

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

■ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

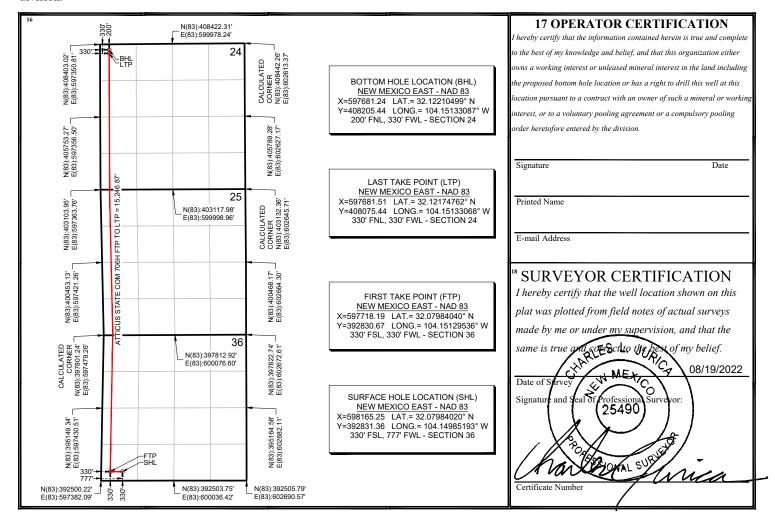
1 API Numbe 30-015-49633	2 Pool Code 98220	3 Pool Name PURPLE SAGE; WOLFCAMP				
4 Property Code 327322		roperty Name S STATE COM	6 Well Number 706H			
7 OGRID No. 229137		perator Name ERATING LLC	9 Elevation 3143'			

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	36	25-S	27-E		330'	SOUTH	777'	WEST	EDDY

11 Bottom Hole Location If Different From Surface

			" BC	mom Ho	ie Location i	I Different Fro	m Surface		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	24	25-S	27-E		200'	NORTH	330'	WEST	EDDY
12 Dedicated Acre 960	es 13 Joint o	or Infill 14	Consolidation	Code 15 O	rder No.				



	WOLFCAMP	
24-T25S-R27E	Tract 1 VB-1006-01 320 ac	
24-T25	Tract 2 FEE 320 ac	
25-T25S-R27E	Tract 3 VB-1007-01 320 ac	
25-125	Tract 4 VB-0995-02 320 ac	
36-T25S-R27E	Tract 6 VB-0996-02 240 ac	Tract 5 VB-0996- 02 80 ac
36-125	Tract 8 VB-1008-02 240 ac	Tract 7 VB-1008- 02 80 ac

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UNIT WORKING INTEREST	W2 WI	E2 WI
COG Operating LLC	0.55509803	0.59468136
COG Production LLC	0.26250000	0.22291667
Concho Oil & Gas LLC	0.00867812	0.00867812
Devon Energy Production Co	0.17372385	0.17372385
Read & Stevens Inc.*	0.00000000	0.00000000
*Confirming disputed interest		

PARTIES TO POOL	ROLE
Chevron U.S.A. Inc.	
6301 Deauville Avenue	
Midland, TX 79706	RTO
Devon Energy Production Co.	
333 W. Sheridan Ave	
Oklahoma City, OK 73102	WIO
Read & Stevens Inc.	
400 N. Pennsylvania Ave Ste 1000	
Roswell, NM 88201	Possible WIO*

BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. A3 Submitted by: COG Operating LLC Hearing Date: October 6, 2022 Case Nos. 23052-23053



Shelley C. Klingler
Staff Land Negotiator
600 W. Illinois Ave
Midland, TX 79701
O: 432-688-9027
F: 432-221-0470
Shelley.c.klingler@conocophillips.com

August 17, 2022

Via Electronic Mail & CMRRR

Devon Energy Production Company, LP
333 W. Sheridan Avenue
Oklahoma City, OK 73102
Attn: Land Department

Re: Atticus State Com 701H - 706H (Wolfcamp A)

Sections 24, 25 & 36, T25S-R27E Eddy County, New Mexico

Dear Sir or Madam:

Santa Fe, New Mexico
Exhibit No. A4
Submitted by: COG Operating LLC
Hearing Date: October 6, 2022

Case Nos. 23052-23053

COG Operating, LLC ("COG"), as Operator, previously proposed and is now reproposing the drilling of the following horizontal wells with productive laterals located in Sections 24, 25 & 36, Township 25 South, Range 27 East, Eddy County, New Mexico (collectively, the "Operation"). Please see details below:

WOLFCAMP A:

The surface pad locations will be located in Units M, N, and P of Section 36, T25S-R27E (subject to change).

- Atticus State Com 701H, to be drilled to a depth sufficient to test the Wolfcamp A formation at
 an approximate total vertical depth of 9200'. The surface location for this well is proposed at a
 legal location in Unit P of Section 36, and a bottom hole location at a legal location in Unit A of
 Section 24. The dedicated horizontal spacing unit will be All of Sections 24, 25 & 36, T25S-R27E,
 Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,276,000,
 as shown on the attached Authority for Expenditure ("AFE").
- Atticus State Com 702H, to be drilled to a depth sufficient to test the Wolfcamp A formation at
 an approximate total vertical depth of 9200'. The surface location for this well is proposed at a
 legal location in Unit P of Section 36, and a bottom hole location at a legal location in Unit B of
 Section 24. The dedicated horizontal spacing unit will be All of Sections 24, 25 & 36, T25S-R27E,
 Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,276,000,
 as shown on the attached AFE.
- Atticus State Com 703H, to be drilled to a depth sufficient to test the Wolfcamp A formation at
 an approximate total vertical depth of 9200'. The surface location for this well is proposed at a
 legal location in Unit N of Section 36, and a bottom hole location at a legal location in Unit B of
 Section 24. The dedicated horizontal spacing unit will be All of Sections 24, 25 & 36, T25S-R27E,
 Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,276,000,
 as shown on the attached AFE.
- Atticus State Com 704H, to be drilled to a depth sufficient to test the Wolfcamp A formation at an approximate total vertical depth of 9200'. The surface location for this well is proposed at a legal location in Unit N of Section 36, and a bottom hole location at a legal location in Unit C of Section 24. The dedicated horizontal spacing unit will be All of Sections 24, 25 & 36, T25S-R27E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,276,000, as shown on the attached AFE.

August 17, 2022 – Page 2 Atticus State Com 701H-706H well proposals

- Atticus State Com 705H, to be drilled to a depth sufficient to test the Wolfcamp A formation at an approximate total vertical depth of 9200'. The surface location for this well is proposed at a legal location in Unit M of Section 36, and a bottom hole location at a legal location in Unit D of Section 24. The dedicated horizontal spacing unit will be All of Sections 24, 25 & 36, T25S-R27E, Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,276,000, as shown on the attached AFE.
- Atticus State Com 706H, to be drilled to a depth sufficient to test the Wolfcamp A formation at
 an approximate total vertical depth of 9200'. The surface location for this well is proposed at a
 legal location in Unit M of Section 36, and a bottom hole location at a legal location in Unit D of
 Section 24. The dedicated horizontal spacing unit will be All of Sections 24, 25 & 36, T25S-R27E,
 Eddy County, New Mexico. The total estimated cost to drill and complete said well is \$14,276,000,
 as shown on the attached AFE.

COG is proposing to drill these wells under the terms of the new Operating Agreement dated August 1, 2022, previously sent to your attention for review and execution. If we are unable to reach an agreement within 30 days of the date of this letter, COG will apply to the NMOCD for compulsory pooling of your interest into a horizontal spacing unit for the proposed wells.

Please indicate your participation elections in the space provided below, sign and return this letter, along with a signed copy of the enclosed AFEs and a copy of your geologic requirements, to my attention at the letterhead address or by email to shelley.c.klingler@conocophillips.com. Should you have any questions, please do not hesitate to contact me.

Sincerely,

COG Operating LLC

//Shelley Klingler//

Shelley C. Klingler Staff Land Negotiator

Please Indicate your election below:

WELL NAME	PARTICIPATE	DO NOT PARTICIPATE
	Elect to participate in	Elect NOT to participate in
	drilling & completion of well	drilling & completion of well
Atticus State Com 701H		
Atticus State Com 702H		
Atticus State Com 703H		
Atticus State Com 704H		
Atticus State Com 705H		
Atticus State Com 706H		

DEVON ENERGY PRODUCTION COMPANY, LP

Ву:	
Name: _	
Title:	
Date:	

Well Name ATTICUS STATE COM 701H

SHL 36-25S-27E: 315 FSL, 960 FEL OR UNIT P

BHL 24-25S-27E: 200 FNL, 450 FEL OR UNIT A

Formation WOLFCAMP

Legal 24, 25, 36, 25S-27E

Prospect ATLAS 2527
State & County NM, EDDY
Objective D&C
Depth 24,400
TVD 9,200

Intangible Costs	Code	PreSpud (PS)	Pre-Set Casing(PC)	Di	rilling (DR)	Con	npletions (C)	Tank Btty Constrctn(TB)	Pmpq Equip (PEQ)	R	tevision		Total
	205		1	•	145,000.00	I				•		•	145,000,0
D-Lctn/Pits/Roads	205		-	\$	•					\$	-	\$	145,000.0
D-Drilling Overhead	206			\$	11,000.00					\$	-	\$	11,000.0
D-Daywork Contract D-Directional Drlg Services	209 210			\$	789,000.00 421,000.00					\$	-	\$	789,000.0 421,000.0
D-Fuel & Power	210			\$	136,000.00					\$		\$	136,000.0
	211			\$	115,000.00					\$		_	
D-Water	212			\$						\$	-	\$	115,000.0
D-Bits			-		145,000.00						-	_	145,000.0
D-Mud & Chemicals	214		-	\$	297,000.00					\$	-	\$	297,000.0
D-Cement Surface	217		-	\$	29,000.00					\$	-	\$	29,000.0
D-Cement Intermed	218		-	\$	114,000.00					\$	-	\$	114,000.0
D-Prod-2nd Int Cmt	219			\$	168,000.00					\$	-	\$	168,000.0
D-Float Equipment & Centralizers	221			\$	92,000.00					\$	-	\$	92,000.0
D-Csg Crews & Equip	222			\$	99,000.00					\$	-	\$	99,000.0
D-Contract Labor	225			\$	10,000.00					\$	-	\$	10,000.0
D-Company Sprvsn	226			\$	66,000.00					\$	-	\$	66,000.0
D-Contract Sprvsn	227			\$	165,000.00					\$	-	\$	165,000.0
D-Tstg Csg/Tbg	228			\$	61,000.00					\$	-	\$	61,000.0
D-Mud Logging Unit	229			\$	61,000.00					\$	-	\$	61,000.0
D-Rentals-Surface	235			\$	256,000.00					\$	-	\$	256,000.0
D-Rentals-Subsrfc	236			\$	119,000.00					\$	-	\$	119,000.0
D-Trucking/Forklift/Rig Mob	237			\$	244,000.00					\$	-	\$	244,000.0
D-Welding Services	238			\$	5,000.00					\$	-	\$	5,000.0
D-Contingency	243			\$	92,000.00					\$	-	\$	92,000.0
D-Envrnmtl/Clsd Loop	244			\$	403,000.00					\$	-	\$	403,000.0
C-Wellbore Frac Prep	304					\$	212,000.00			\$	-	\$	212,000.0
C-Lctn/Pits/Roads	305		1			\$	22,000.00			\$		\$	22,000.0
C-Completion OH	306		1			\$	33,000.00			\$		\$	33,000.0
C-Frac Equipment	300		1				1,448,000.00			\$		\$	1,448,000.0
C-Frac Equipment C-Frac Chemicals	307		1			\$	918,000.00			\$		\$	918,000.0
			+	1								_	
C-Frac Proppant	309		+			\$	416,000.00			\$	-	\$	416,000.0
C-Frac Proppant Transportation	310		1	-		\$	647,000.00			\$	-	\$	647,000.0
C-Fuel Delivery & Services	311					\$	93,000.00			\$	-	\$	93,000.0
C-Water	312					\$	612,000.00			\$	-	\$	612,000.0
C-Frac Surface Rentals	315					\$	577,000.00			\$	-	\$	577,000.0
C-Contract Labor	325					\$	22,000.00			\$	-	\$	22,000.0
C-Company Sprvsn	326					\$	22,000.00			\$	-	\$	22,000.0
C-Contract Sprvsn	327					\$	308,000.00			\$	-	\$	308,000.0
C-Artificial Lift Install	329					\$	99,000.00			\$	-	\$	99,000.0
C-Perf/Wireline Svc	331					\$	711,000.00			\$	-	\$	711,000.0
C-Trucking/Forklift/Rig Mob	337					\$	22,000.00			\$	-	\$	22,000.0
C-Water Disposal	339					\$	88,000.00			\$	_	\$	88,000.0
C-Contingency	343					\$	165,000.00			\$	_	\$	165,000.0
C-Dyed Diesel	345					\$	346,000.00			\$		\$	346,000.0
C-Drillout	346					\$	660,000.00			\$		\$	
						Ф	660,000.00	A 0.000.00					660,000.0
TB-Damages/Right of Way	351 353							\$ 2,000.00		\$	-	\$	2,000.0
TB-Location/Pits/Roads								\$ 45,000.00				\$	45,000.0
			†							\$	-	_	
TB-Contract Labor	356							\$ 244,000.00		\$	-	\$	244,000.0
TB-Contract Labor PEQ-Contract Labor	356 374								\$ 18,000.00	\$		\$ \$	18,000.0
TB-Contract Labor PEQ-Contract Labor PEQ-Water Disposal	356 374 387								\$ 81,000.00	\$ \$ \$		\$ \$	18,000.0 81,000.0
TB-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac	356 374							\$ 244,000.00	\$ 81,000.00 \$ 9,000.00	\$ \$ \$	- - -	\$ \$ \$	18,000.0 81,000.0 9,000.0
FB-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac	356 374 387	\$ -	\$ -	\$	4,043,000.00	\$	7,421,000.00	\$ 244,000.00	\$ 81,000.00	\$ \$ \$		\$ \$	18,000.0 81,000.0 9,000.0
FB-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac	356 374 387	\$ -	\$ -	\$	4,043,000.00	\$	7,421,000.00	\$ 244,000.00	\$ 81,000.00 \$ 9,000.00	\$ \$ \$	- - -	\$ \$ \$	18,000.0 81,000.0 9,000.0
TB-Contract Labor PEQ-Contract Labor	356 374 387	\$ -	\$ -	\$	4,043,000.00	\$	7,421,000.00	\$ 244,000.00	\$ 81,000.00 \$ 9,000.00	\$ \$ \$	- - -	\$ \$ \$	18,000.0 81,000.0 9,000.0
TB-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Total Intangible Costs	356 374 387	\$ -	\$ -	\$	4,043,000.00	\$	7,421,000.00	\$ 244,000.00	\$ 81,000.00 \$ 9,000.00	\$ \$ \$ \$	- - -	\$ \$ \$	18,000.0
TB-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Total Intangible Costs Tangible Costs PEQ-Flowback Crews & Equip	356 374 387 391	\$ -	\$ -			\$	7,421,000.00	\$ 244,000.00	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00	\$ \$ \$ \$	- - - -	\$ \$ \$ \$	18,000.0 81,000.0 9,000.0 11,863,000.0
FB-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Fotal Intangible Costs Fangible Costs PEQ-Flowback Crews & Equip D-Surface Casing	356 374 387 391 392 401	\$ -	\$ -	\$	32,000.00	\$	7,421,000.00	\$ 244,000.00	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	-	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,000.0 81,000.0 9,000.0 11,863,000.0 49,000.0 32,000.0
FB-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Fotal Intangible Costs Fangible Costs PEQ-Flowback Crews & Equip D-Surface Casing D-Intermed Csg	356 374 387 391 392 401 402	\$ -	\$ -	\$	32,000.00 253,000.00	\$	7,421,000.00	\$ 244,000.00	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,000.0 81,000.0 9,000.0 11,863,000.0 49,000.0 32,000.0 253,000.0
TB-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Total Intangible Costs Tangible Costs PEQ-Flowback Crews & Equip D-Surface Casing D-Intermed Csg D-Production Casing/Liner	356 374 387 391 392 401 402 403	\$ -	\$ -	\$ \$	32,000.00 253,000.00 628,000.00	\$	7,421,000.00	\$ 244,000.00	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,000.0 81,000.0 9,000.0 11,863,000.0 49,000.0 32,000.0 253,000.0 628,000.0
TB-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Total Intangible Costs Tangible Costs PEQ-Flowback Crews & Equip D-Surface Casing D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip	356 374 387 391 392 401 402 403 405	\$ -	\$ -	\$	32,000.00 253,000.00			\$ 244,000.00	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,000.0 81,000.0 9,000.0 11,863,000.0 49,000.0 32,000.0 253,000.0 628,000.0 115,000.0
TB-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Total Intangible Costs Tangible Costs PEQ-Flowback Crews & Equip D-Surface Casing D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip C-Tubing	356 374 387 391 392 401 402 403 405 504	\$ -	\$ -	\$ \$	32,000.00 253,000.00 628,000.00	\$	115,000.00	\$ 244,000.00	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,000.0 81,000.0 9,000.0 11,863,000.0 49,000.0 32,000.0 253,000.0 628,000.0 115,000.0
TB-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Total Intangible Costs Tangible Costs PEQ-Flowback Crews & Equip D-Surface Casing D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip C-Tubing C-Wellhead Equip	356 374 387 391 392 402 403 405 504	\$ -	\$ -	\$ \$	32,000.00 253,000.00 628,000.00			\$ 244,000.00 \$ 291,000.00	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,000.0 81,000.0 9,000.0 11,863,000.0 49,000.0 32,000.0 253,000.0 628,000.0 115,000.0 115,000.0 62,000.0
TB-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Total Intangible Costs Tangible Costs PEQ-Flowback Crews & Equip D-Surface Casing D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip C-Tubing C-Wellhead Equip C-Wellhead Equip C-Wellhead Equip TB-Tanks	356 374 387 391 392 401 402 403 403 505 505	\$ -	\$ -	\$ \$	32,000.00 253,000.00 628,000.00	\$	115,000.00	\$ 244,000.00 \$ 291,000.00 \$ 78,000.00	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,000.0 81,000.0 9,000.0 11,863,000.0 49,000.0 32,000.0 253,000.0 628,000.0 115,000.0 62,000.0 78,000.0
TB-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Total Intangible Costs Tangible Costs PEQ-Flowback Crews & Equip D-Surface Casing D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip C-Tubing C-Wellhead Equip C-Tubing TB-Tanks TB-Flowlines/Pipelines	356 374 387 391 392 401 402 403 405 505 510 511	\$ -	\$ -	\$ \$	32,000.00 253,000.00 628,000.00	\$	115,000.00	\$ 244,000.00 \$ 291,000.00 \$ 78,000.00 \$ 35,000.00	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,000.0 81,000.0 9,000.0 11,863,000.0 49,000.0 32,000.0 253,000.0 628,000.0 115,000.0 62,000.0 78,000.0 35,000.0
TB-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Total Intangible Costs Tangible Costs PEQ-Flowback Crews & Equip D-Surface Casing D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip C-Tubing C-Wellhead Equip TB-Tanks TB-Flowlines/Pipelines TB-Htr Trtr/Seprtr	356 374 387 391 392 401 402 403 405 504 505 510 511	\$ -	\$ -	\$ \$	32,000.00 253,000.00 628,000.00	\$	115,000.00	\$ 291,000.00 \$ 291,000.00 \$ 78,000.00 \$ 35,000.00 \$ 251,000.00	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,000.0 81,000.0 9,000.0 11,863,000.0 49,000.0 32,000.0 253,000.0 628,000.0 115,000.0 62,000.0 78,000.0 35,000.0 251,000.0
FB-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Fotal Intangible Costs Fangible Costs PEQ-Flowback Crews & Equip Posurface Casing Po-Intermed Csg Po-Production Casing/Liner Po-Wellhead Equip C-Tubing C-Wellhead Equip C-Wellhead Equip FB-Tanks FB-Flowlines/Pipelines FB-Htr Trtr/Seprtr FB-Electrical System/Equipment	356 374 387 391 392 401 402 403 405 504 505 510 510 511	\$ -	\$ -	\$ \$	32,000.00 253,000.00 628,000.00	\$ \$	115,000.00 62,000.00	\$ 244,000.00 \$ 291,000.00 \$ 78,000.00 \$ 35,000.00	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,000.0 81,000.0 9,000.0 11,863,000.0 49,000.0 32,000.0 253,000.0 628,000.0 115,000.0 62,000.0 78,000.0 35,000.0 251,000.0 154,000.0
TB-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Total Intangible Costs Tangible Costs PEQ-Flowback Crews & Equip D-Surface Casing D-Intermed Csg D-Indermed Csg D-Wellhead Equip C-Tubing C-Wellhead Equip TB-Tanks TB-Flowlines/Pipelines TB-Htr Trtr/Seprtr TB-Electrical System/Equipment C-Pckrs/Anchors/Hgrs	356 374 387 391 392 401 402 403 504 505 510 511 512 513	\$ -	\$ -	\$ \$	32,000.00 253,000.00 628,000.00	\$	115,000.00	\$ 291,000.00 \$ 291,000.00 \$ 78,000.00 \$ 35,000.00 \$ 251,000.00 \$ 154,000.00	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,000.0 81,000.0 81,000.0 9,000.0 11,863,000.0 49,000.0 32,000.0 253,000.0 628,000.0 115,000.0 78,000.0 35,000.0 251,000.0 154,000.0 143,000.0
TB-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Total Intangible Costs Tangible Costs PEQ-Flowback Crews & Equip D-Surface Casing D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip C-Tubing C-Wellhead Equip C-Wellhead Equip TB-Tanks TB-Tanks TB-Hr Trtr/Seprtr TB-Electrical System/Equipment	356 374 387 391 392 401 402 403 405 504 505 510 511 512 513 514	\$ -	\$ -	\$ \$	32,000.00 253,000.00 628,000.00	\$ \$	115,000.00 62,000.00	\$ 291,000.00 \$ 291,000.00 \$ 78,000.00 \$ 35,000.00 \$ 251,000.00 \$ 154,000.00 \$ 261,000.00	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,000.0 81,000.0 9,000.0 11,863,000.0 11,863,000.0 49,000.0 32,000.0 253,000.0 628,000.0 115,000.0 115,000.0 251,000.0 251,000.0 154,000.0 143,000.0 261,000.0
TB-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Total Intangible Costs Tangible Costs PEQ-Flowback Crews & Equip D-Surface Casing D-Intermed Csg D-Indermed Csg D-Wellhead Equip C-Tubing C-Wellhead Equip TB-Tanks TB-Flowlines/Pipelines TB-Htr Trtr/Seprtr TB-Electrical System/Equipment C-Pckrs/Anchors/Hgrs	356 374 387 391 392 401 402 403 504 505 510 511 512 513	\$ -	\$ -	\$ \$	32,000.00 253,000.00 628,000.00	\$ \$	115,000.00 62,000.00	\$ 291,000.00 \$ 291,000.00 \$ 78,000.00 \$ 35,000.00 \$ 251,000.00 \$ 261,000.00 \$ 35,000.00	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,000.0 81,000.0 9,000.0 11,863,000.0 11,863,000.0 49,000.0 32,000.0 253,000.0 628,000.0 115,000.0 115,000.0 251,000.0 251,000.0 154,000.0 143,000.0 261,000.0
TB-Contract Labor PEQ-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Total Intangible Costs Tangible Costs PEQ-Flowback Crews & Equip D-Surface Casing D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip C-Tubling C-Wellhead Equip TB-Tanks TB-Flowlines/Pipelines TB-Hr Trtr/Seprtr TB-Electrical System/Equipment C-Pckrs/Anchors/Hgrs TB-Couplings/Fittings/Valves TB-Pumps-Surface	356 374 387 391 392 401 402 403 405 504 505 510 511 512 513 514	\$ -	\$ -	\$ \$	32,000.00 253,000.00 628,000.00	\$ \$	115,000.00 62,000.00	\$ 291,000.00 \$ 291,000.00 \$ 78,000.00 \$ 35,000.00 \$ 251,000.00 \$ 154,000.00 \$ 261,000.00	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,000.0 81,000.0 9,000.0 11,863,000.0 11,863,000.0 49,000.0 32,000.0 253,000.0 115,000.0 115,000.0 78,000.0 251,000.0 154,000.0 143,000.0 261,000.0 35,000.0 35,000.0
TB-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Total Intangible Costs Tangible Costs PEQ-Flowback Crews & Equip D-Surface Casing D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip C-Tubing C-Wellhead Equip TB-Tanks TB-Flowlines/Pipelines TB-Htr Trtr/Seprtr TB-Electrical System/Equipment C-Pckrs/Anchors/Hgrs TB-Couplings/Fittings/Valves TB-Pumps-Surface TB-Instrumentation/SCADA/POC	356 374 387 391 392 401 402 403 505 504 505 511 512 513 514 515 521	\$ -	\$ -	\$ \$	32,000.00 253,000.00 628,000.00	\$ \$	115,000.00 62,000.00	\$ 291,000.00 \$ 291,000.00 \$ 78,000.00 \$ 35,000.00 \$ 251,000.00 \$ 261,000.00 \$ 35,000.00	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,000.0 81,000.0 9,000.0 11,863,000.0 49,000.0 32,000.0 253,000.0 628,000.0 115,000.0 78,000.0 251,000.0 154,000.0 154,000.0 143,000.0 261,000.0 261,000.0 261,000.0 261,000.0
TB-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Total Intangible Costs Fangible Costs PEQ-Flowback Crews & Equip D-Surface Casing D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip C-Tubing C-Wellhead Equip TB-Tanks TB-Flowlines/Pipelines TB-Htr Trtr/Seprtr TB-Electrical System/Equipment C-Pckrs/Anchors/Hgrs TB-Couplings/Fittings/Valves TB-Pumps-Surface TB-Instrumentation/SCADA/POC TB-Miscellaneous	356 374 387 391 392 401 402 403 405 505 510 511 512 513 514 515 521 522 523	\$ -	\$ -	\$ \$	32,000.00 253,000.00 628,000.00	\$ \$	115,000.00 62,000.00	\$ 291,000.00 \$ 291,000.00 \$ 78,000.00 \$ 35,000.00 \$ 251,000.00 \$ 261,000.00 \$ 26,000.00 \$ 26,000.00	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,000.0 81,000.0 9,000.0 11,863,000.0 11,863,000.0 49,000.0 32,000.0 253,000.0 628,000.0 115,000.0 62,000.0 78,000.0 251,000.0 154,000.0 143,000.0 261,000.0 261,000.0 260,000.0 260,000.0
TB-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Total Intangible Costs Tangible Costs PEQ-Flowback Crews & Equip D-Surface Casing D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip C-Tubing C-Wellhead Equip TB-Tanks TB-Flowlines/Pipelines TB-Htr Trtr/Seprtr TB-Electrical System/Equipment C-Pcks/Anchors/Hgrs TB-Couplings/Fittings/Valves TB-Pumps-Surface TB-Instrumentation/SCADA/POC TB-Miscellaneous TB-Meters/Lacts	356 374 387 391 392 401 402 403 405 504 505 510 511 512 513 514 515 522 522 523	\$ -	\$ -	\$ \$	32,000.00 253,000.00 628,000.00	\$ \$	115,000.00 62,000.00	\$ 291,000.00 \$ 291,000.00 \$ 78,000.00 \$ 35,000.00 \$ 251,000.00 \$ 261,000.00 \$ 26,000.00 \$ 26,000.00 \$ 26,000.00	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,000.0 81,000.0 9,000.0 11,863,000.0 11,863,000.0 49,000.0 32,000.0 253,000.0 628,000.0 115,000.0 78,000.0 251,000.0 154,000.0 261,000.0 260,000.0 260,000.0 260,000.0 260,000.0 35,000.0
TB-Contract Labor PEQ-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Total Intangible Costs Tangible Costs PEQ-Flowback Crews & Equip D-Surface Casing D-Intermed Csg D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip C-Tubing C-Wellhead Equip TB-Tanks TB-Flowlines/Pipelines TB-Hr Trtr/Seprtr TB-Electrical System/Equipment C-Pckrs/Anchors/Hgrs TB-Ouplings/Fittings/Valves TB-Pups-Surface TB-Instrumentation/SCADA/POC TB-Miscellaneous TB-Meters/Lacts TB-Helest/Lacts TB-Flares/Combusters/Emission	356 374 387 391 392 401 402 405 504 505 510 511 512 513 514 515 521 522 523 525 526	\$ -	\$ -	\$ \$	32,000.00 253,000.00 628,000.00	\$ \$	115,000.00 62,000.00 143,000.00	\$ 291,000.00 \$ 291,000.00 \$ 78,000.00 \$ 35,000.00 \$ 251,000.00 \$ 261,000.00 \$ 26,000.00 \$ 26,000.00	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,000.0 81,000.0 9,000.0 11,863,000.0 11,863,000.0 49,000.0 253,000.0 253,000.0 115,000.0 62,000.0 251,000.0 251,000.0 251,000.0 251,000.0 261,000.0 260,000.0 260,000.0 260,000.0 260,000.0 260,000.0 260,000.0 260,000.0 260,000.0 260,000.0 260,000.0 260,000.0 260,000.0 260,000.0 260,000.0
TB-Contract Labor PEQ-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Total Intangible Costs Tangible Costs PEQ-Flowback Crews & Equip D-Surface Casing D-Intermed Csg D-Intermed Csg D-Intermed Equip C-Tubing C-Wellhead Equip C-Tubing C-Wellhead Equip TB-Tanks TB-Flowlines/Pipelines TB-Htr Trtr/Seprtr TB-Electrical System/Equipment C-Pckrs/Anchors/Hgrs TB-Couplings/Fittings/Valves TB-Pumps-Surface TB-Instrumentation/SCADA/POC TB-Miscellaneous TB-Meters/Lacts TB-Flares/Combusters/Emission C-Gas Lift/Compression	356 374 387 391 392 401 402 403 505 510 511 512 513 514 515 521 522 523 525 526 527	\$ -	\$ -	\$ \$	32,000.00 253,000.00 628,000.00	\$ \$	115,000.00 62,000.00	\$ 291,000.00 \$ 291,000.00 \$ 78,000.00 \$ 35,000.00 \$ 251,000.00 \$ 261,000.00 \$ 26,000.00 \$ 26,000.00 \$ 26,000.00	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00 \$ 49,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,000.0 81,000.0 9,000.0 11,863,000.0 11,863,000.0 49,000.0 32,000.0 253,000.0 628,000.0 115,000.0 115,000.0 251,000.0 251,000.0 251,000.0 251,000.0 261,000.0 26,000.0 26,000.0 26,000.0 26,000.0 26,000.0 42,000.0 55,000.0
FB-Contract Labor PEQ-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Fotal Intangible Costs Fangible Costs PEQ-Flowback Crews & Equip D-Surface Casing D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip C-Tubing C-Wellhead Equip FB-Tanks FB-Flowlines/Pipelines FB-Htr Trtr/Seprtr FB-Electrical System/Equipment C-Pckrs/Anchors/Hgrs FB-Couplings/Fittings/Valves FB-Pumps-Surface FB-Instrumentation/SCADA/POC FB-Miscellaneous FB-Meters/Lacts FB-Hares/Combusters/Emission C-Gas Lift/Compression PEQ-Wellhead Equipment	356 374 387 391 392 401 402 405 504 505 510 511 512 513 514 515 521 522 523 525 526			\$ \$ \$ \$ \$	32,000.00 253,000.00 628,000.00 115,000.00	\$ \$	115,000.00 62,000.00 143,000.00 55,000.00	\$ 291,000.00 \$ 291,000.00 \$ 78,000.00 \$ 35,000.00 \$ 251,000.00 \$ 261,000.00 \$ 26,000.00 \$ 26,000.00 \$ 26,000.00 \$ 25,000.00 \$ 242,000.00	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00 \$ 49,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,000.0 81,000.0 81,000.0 9,000.0 11,863,000.0 49,000.0 32,000.0 253,000.0 115,000.0 115,000.0 251,000.0
FB-Contract Labor PEQ-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Fotal Intangible Costs Fangible Costs PEQ-Flowback Crews & Equip D-Surface Casing D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip C-Tubing C-Wellhead Equip FB-Tanks FB-Flowlines/Pipelines FB-Htr Trtr/Seprtr FB-Electrical System/Equipment C-Pckrs/Anchors/Hgrs FB-Couplings/Fittings/Valves FB-Pumps-Surface FB-Instrumentation/SCADA/POC FB-Miscellaneous FB-Meters/Lacts FB-Hares/Combusters/Emission C-Gas Lift/Compression PEQ-Wellhead Equipment	356 374 387 391 392 401 402 403 505 510 511 512 513 514 515 521 522 523 525 526 527	\$ - - - - - - - - -	\$ -	\$ \$ \$ \$ \$	32,000.00 253,000.00 628,000.00	\$ \$	115,000.00 62,000.00 143,000.00	\$ 291,000.00 \$ 291,000.00 \$ 78,000.00 \$ 35,000.00 \$ 251,000.00 \$ 261,000.00 \$ 26,000.00 \$ 26,000.00 \$ 26,000.00 \$ 25,000.00 \$ 242,000.00	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00 \$ 49,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,000.0 81,000.0 81,000.0 9,000.0 11,863,000.0 49,000.0 32,000.0 253,000.0 115,000.0 115,000.0 251,000.0
FB-Contract Labor PEQ-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Foral Intangible Costs PEQ-Flowback Crews & Equip Po-Surface Casing Po-Intermed Csg Po-Production Casing/Liner Po-Wellhead Equip Po-Wellhead Equip PB-Tanks PB-Flowlines/Pipelines PB-Hrt Trtr/Seprtr PB-Electrical System/Equipment PB-Electrical System/Equipment PB-Pumps-Surface PB-Instrumentation/SCADA/POC PB-Miscellaneous PB-Miscellaneous PB-Hares/Combusters/Emission PEQ-Wellhead Equipment PB-Flares/Combusters/Emission PEQ-Wellhead Equipment PB-Flares/Combusters/Emission PEQ-Wellhead Equipment PEQ-Wellhead Equipment Po-Gas Lift/Compression PEQ-Wellhead Equipment Potal Tangible Costs	356 374 387 391 392 401 402 403 505 510 511 512 513 514 515 521 522 523 525 526 527	\$ -	\$ -	\$ \$ \$ \$ \$	32,000.00 253,000.00 628,000.00 115,000.00	\$ \$ \$	115,000.00 62,000.00 143,000.00 55,000.00	\$ 291,000.00 \$ 291,000.00 \$ 78,000.00 \$ 35,000.00 \$ 251,000.00 \$ 261,000.00 \$ 26,000.00 \$ 26,000.00 \$ 26,000.00 \$ 35,000.00 \$ 242,000.00	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00 \$ 49,000.00 \$ 49,000.00 \$ 57,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,000.0 81,000.0 81,000.0 9,000.0 11,863,000.0 11,863,000.0 253,000.0 253,000.0 253,000.0 251,000.0 251,000.0 251,000.0 260,0
FB-Contract Labor PEQ-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Fotal Intangible Costs Fangible Costs PEQ-Flowback Crews & Equip Po-Surface Casing Po-Intermed Csg Po-Production Casing/Liner Po-Wellhead Equip Po-Wellhead Equip Po-Wellhead Equip Po-Wellhead Equip Po-Production Casing/Liner Po-Wellhead Equip Po-Production Po-Produ	356 374 387 391 392 401 402 403 405 505 510 511 512 513 514 515 521 522 523 525 526 527 531	\$ -	\$ -	\$ \$ \$ \$	32,000.00 253,000.00 628,000.00 115,000.00	\$ \$ \$	115,000.00 62,000.00 143,000.00 55,000.00	\$ 291,000.00 \$ 291,000.00 \$ 78,000.00 \$ 35,000.00 \$ 251,000.00 \$ 261,000.00 \$ 26,000.00 \$ 26,000.00 \$ 26,000.00 \$ 35,000.00 \$ 242,000.00	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00 \$ 49,000.00 \$ 49,000.00 \$ 57,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,000.0 81,000.0 81,000.0 9,000.0 11,863,000.0 49,000.0 32,000.0 253,000.0 628,000.0 115,000.0 251,000.0
FB-Contract Labor PEQ-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Fotal Intangible Costs Fangible Costs PEQ-Flowback Crews & Equip Posurface Casing Pontermed Csg Ponduction Casing/Liner Powellhead Equip Powellhead Equip Powellhead Equip Powellhead Equip Powellhead Equip Powellhead System/Equipment Powellhead System/Equipment Powellhead System/Equipment Powellhead System/Equipment Powellhead Equip Powellhead System/Equipment Powellhead System/Equipment Powellhead Equip Powellhead System/Equipment Powellhead Equipment	356 374 387 391 392 401 402 403 405 505 510 511 512 513 514 515 521 522 523 525 526 527 531	\$ -	\$ -	\$ \$ \$ \$	32,000.00 253,000.00 628,000.00 115,000.00	\$ \$ \$	115,000.00 62,000.00 143,000.00 55,000.00	\$ 291,000.00 \$ 291,000.00 \$ 78,000.00 \$ 35,000.00 \$ 251,000.00 \$ 261,000.00 \$ 26,000.00 \$ 26,000.00 \$ 26,000.00 \$ 35,000.00 \$ 242,000.00	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00 \$ 49,000.00 \$ 49,000.00 \$ 57,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,000.0 81,000.0 81,000.0 9,000.0 11,863,000.0 11,863,000.0 253,000.0 253,000.0 253,000.0 251,000.0 251,000.0 251,000.0 260,0
FB-Contract Labor PEQ-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Fotal Intangible Costs PEQ-Flowback Crews & Equip Posurface Casing Posurface Posur	356 374 387 391 392 401 402 403 405 505 510 511 512 513 514 515 521 522 523 525 526 527 531	\$ -	\$ -	\$ \$ \$ \$	32,000.00 253,000.00 628,000.00 115,000.00	\$ \$ \$	115,000.00 62,000.00 143,000.00 55,000.00	\$ 291,000.00 \$ 291,000.00 \$ 78,000.00 \$ 35,000.00 \$ 251,000.00 \$ 261,000.00 \$ 26,000.00 \$ 26,000.00 \$ 26,000.00 \$ 35,000.00 \$ 242,000.00	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00 \$ 49,000.00 \$ 49,000.00 \$ 57,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,000.0 81,000.0 81,000.0 9,000.0 11,863,000.0 11,863,000.0 253,000.0 253,000.0 253,000.0 251,000.0 251,000.0 251,000.0 260,0
FB-Contract Labor PEQ-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Fotal Intangible Costs Fangible Costs PEQ-Flowback Crews & Equip D-Surface Casing D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip C-Tubling C-Wellhead Equip FB-Tanks FB-Flowlines/Pipelines FB-Htr Trtr/Seprtr FB-Electrical System/Equipment C-Pckrs/Anchors/Hgrs FB-Couplings/Fittings/Valves FB-Pumps-Surface FB-Instrumentation/SCADA/POC FB-Miscellaneous FB-Meters/Lacts FB-Hares/Combusters/Emission C-Gas Lift/Compression PEQ-Wellhead Equipment Fotal Tangible Costs Fotal Gross Cost Note: The above costs are estimated	356 374 387 391 392 401 402 403 405 505 510 511 512 513 514 515 521 522 523 525 526 527 531	\$ -	\$ -	\$ \$ \$ \$	32,000.00 253,000.00 628,000.00 115,000.00	\$ \$ \$	115,000.00 62,000.00 143,000.00 55,000.00	\$ 291,000.00 \$ 291,000.00 \$ 78,000.00 \$ 35,000.00 \$ 251,000.00 \$ 261,000.00 \$ 26,000.00 \$ 26,000.00 \$ 26,000.00 \$ 35,000.00 \$ 242,000.00	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00 \$ 49,000.00 \$ 18,000.00 \$ 175,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,000.0 81,000.0 9,000.0 11,863,000.0 11,863,000.0 49,000.0 253,000.0 253,000.0 115,000.0 62,000.0 251,000.0 251,000.0 251,000.0 251,000.0 261,000.0 260,000.0 260,000.0 260,000.0 260,000.0 260,000.0 260,000.0 260,000.0 260,000.0 260,000.0 260,000.0 260,000.0 260,000.0 260,000.0 260,000.0
FB-Contract Labor PEQ-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Fotal Intangible Costs Fangible Costs PEQ-Flowback Crews & Equip Po-Surface Casing Po-Intermed Csg Po-Production Casing/Liner Po-Wellhead Equip Paranks PEQ-Tabing Paranks PER-Tanks PER-	356 374 387 391 392 401 402 403 405 505 510 511 512 513 514 515 521 522 523 525 526 527 531	\$ -	\$ -	\$ \$ \$ \$	32,000.00 253,000.00 628,000.00 115,000.00	\$ \$ \$	115,000.00 62,000.00 143,000.00 55,000.00	\$ 291,000.00 \$ 291,000.00 \$ 78,000.00 \$ 35,000.00 \$ 251,000.00 \$ 261,000.00 \$ 26,000.00 \$ 26,000.00 \$ 26,000.00 \$ 35,000.00 \$ 242,000.00	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00 \$ 49,000.00 \$ 49,000.00 \$ 57,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,000.0 81,000.0 81,000.0 9,000.0 11,863,000.0 11,863,000.0 132,000.0 253,000.0 115,000.0 115,000.0 251,000.0 154,000.0 261,000.0 260,000.0 26,000.0 26,000.0 35,000.0 26,000.0 143,000.0 26,000.0 18,000.0 18,000.0 18,000.0
TB-Contract Labor PEQ-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Total Intangible Costs Tangible Costs PEQ-Flowback Crews & Equip D-Surface Casing D-Intermed Csg D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip C-Tubing C-Wellhead Equip TB-Tanks TB-Flowlines/Pipelines TB-Hr Trtr/Seprtr TB-Electrical System/Equipment C-Pckrs/Anchors/Hgrs TB-Ouplings/Fittings/Valves TB-Pups-Surface TB-Instrumentation/SCADA/POC TB-Miscellaneous TB-Meters/Lacts TB-Helest/Lacts TB-Flares/Combusters/Emission	356 374 387 391 392 401 402 403 405 505 510 511 512 513 514 515 521 522 523 525 526 527 531	\$ -	\$ -	\$ \$ \$ \$	32,000.00 253,000.00 628,000.00 115,000.00	\$ \$ \$	115,000.00 62,000.00 143,000.00 55,000.00	\$ 291,000.00 \$ 78,000.00 \$ 78,000.00 \$ 35,000.00 \$ 251,000.00 \$ 26,000.00 \$ 26,000.00 \$ 35,000.00 \$ 1,234,000.00 \$ 1,234,000.00	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00 \$ 49,000.00 \$ 18,000.00 \$ 175,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,000.0 81,000.0 81,000.0 9,000.0 11,863,000.0 11,863,000.0 132,000.0 253,000.0 115,000.0 115,000.0 251,000.0 154,000.0 261,000.0 260,000.0 26,000.0 26,000.0 35,000.0 26,000.0 143,000.0 26,000.0 18,000.0 18,000.0 18,000.0
FB-Contract Labor PEQ-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Fotal Intangible Costs Fangible Costs PEQ-Flowback Crews & Equip Po-Surface Casing Po-Intermed Csg Po-Production Casing/Liner Po-Wellhead Equip Po-Wellhead Equip Po-Tubing Po-Wellhead Equip Po-Tubing Po-Wellhead Equip PB-Tanks PB-Flowlines/Pipelines PB-Hr Trtr/Seprtr PB-Electrical System/Equipment PB-Couplings/Fittings/Valves PB-Pumps-Surface PB-Instrumentation/SCADA/POC PB-Miscellaneous PB-Miscellaneous PB-Hares/Combusters/Emission PGGas Lift/Compression PEQ-Wellhead Equipment Fotal Tangible Costs Fotal Gross Cost Note: The above costs are estimate COG Operating LLC Portal Costs PSy:	356 374 387 391 392 401 402 403 405 505 510 511 512 513 514 515 521 522 523 525 526 527 531	\$ -	\$ -	\$ \$ \$ \$	32,000.00 253,000.00 628,000.00 115,000.00	\$ \$ \$	115,000.00 62,000.00 143,000.00 55,000.00	\$ 291,000.00 \$ 291,000.00 \$ 78,000.00 \$ 35,000.00 \$ 251,000.00 \$ 261,000.00 \$ 26,000.00 \$ 26,000.00 \$ 35,000.00 \$ 24,000.00 \$ 34,000.00	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00 \$ 49,000.00 \$ 18,000.00 \$ 175,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,000.0 81,000.0 81,000.0 9,000.0 11,863,000.0 11,863,000.0 253,000.0 253,000.0 253,000.0 251,000.0 251,000.0 251,000.0 260,0
B-Contract Labor PEQ-Contract Labor PEQ-Water Disposal PEQ-HRZ Well Offset Frac Fotal Intangible Costs Fangible Costs PEQ-Flowback Crews & Equip Po-Grace Casing Po-Intermed Csg Po-Production Casing/Liner Po-Wellhead Equip Po-Tubing Po-Wellhead Equipment Po-Rers/Anchors/Hgrs Po-Couplings/Fittings/Valves Po-Porduction Po-Po-Po-Po-Po-Po-Po-Po-Po-Po-Po-Po-Po-P	356 374 387 391 392 401 402 403 405 505 510 511 512 513 514 515 521 522 523 525 526 527 531	\$ -	\$ -	\$ \$ \$ \$	32,000.00 253,000.00 628,000.00 115,000.00	\$ \$ \$	115,000.00 62,000.00 143,000.00 55,000.00	\$ 291,000.00 \$ 78,000.00 \$ 78,000.00 \$ 35,000.00 \$ 251,000.00 \$ 261,000.00 \$ 26,000.00 \$ 26,000.00 \$ 35,000.00 \$ 42,000.00 \$ 42,000.00 \$ 1,234,000.00 Date Prepared: COG Operating LLC	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00 \$ 49,000.00 \$ 18,000.00 \$ 175,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,000.0 81,000.0 81,000.0 9,000.0 11,863,000.0 49,000.0 32,000.0 253,000.0 628,000.0 115,000.0 251,000.0
B-Contract Labor EQ-Contract Labor EQ-Contract Labor EQ-Water Disposal EQ-HRZ Well Offset Frac otal Intangible Costs angible Costs EQ-Flowback Crews & Equip -Surface Casing -Intermed Csg -Production Casing/Liner -Wellhead Equip -Tubing -Wellhead Equip B-Tanks B-Flowlines/Pipelines B-Hr Trtr/Seprtr B-Electrical System/Equipment -Pckrs/Anchors/Hgrs B-Couplings/Fittings/Valves B-Pumps-Surface B-Instrumentation/SCADA/POC B-Miscellaneous B-Meters/Lacts B-Flares/Combusters/Emission -Gas Lift/Compression EQ-Wellhead Equipment otal Tangible Costs otal Gross Cost ote: The above costs are estimate OG Operating LLC y:	356 374 387 391 392 401 402 403 405 505 510 511 512 513 514 515 521 522 523 525 526 527 531	\$ -	\$ -	\$ \$ \$ \$	32,000.00 253,000.00 628,000.00 115,000.00	\$ \$ \$	115,000.00 62,000.00 143,000.00 55,000.00	\$ 291,000.00 \$ 78,000.00 \$ 78,000.00 \$ 35,000.00 \$ 251,000.00 \$ 26,000.00 \$ 26,000.00 \$ 35,000.00 \$ 1,234,000.00 \$ 1,234,000.00	\$ 81,000.00 \$ 9,000.00 \$ 108,000.00 \$ 49,000.00 \$ 18,000.00 \$ 175,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,000. 81,000. 9,000. 11,863,000. 49,000. 32,000. 253,000. 628,000. 115,000. 62,000. 78,000. 251,000. 154,000. 261,000. 26,000. 26,000. 26,000. 35,000. 26,000. 42,000. 55,000. 18,000.

This AFE is only an estimate. By signing you agree to pay your share of the actual costs incurred.

Printed Name:

Well Name ATTICUS STATE COM 702H

SHL 36-25S-27E: 315 FSL, 990 FEL OR UNIT P

BHL 24-25S-27E: 200 FNL, 1350 FEL OR UNIT B

Formation WOLFCAMP

Legal 24, 25, 36, 25S-27E

Prospect ATLAS 2527 State & County NM, EDDY Objective D&C Depth 24,400 TVD 9,200

Legai	24, 25, 36,	, 255-27E							140	9,200		
Cost Description	Code	PreSpud	Pre-Set Casing(PC)	[Orilling (DR)	Со	mpletions (C)	Tank Btty Constrctn(TB)	Pmpq Equip (PEQ)	Revision		Total
Intangible Costs		(PS)	Casing(PC)									
D-Lctn/Pits/Roads	205			\$	145,000.00					\$ -	\$	145,000.0
D-Drilling Overhead	206			\$	11,000.00					\$ -	\$	11,000.0
D-Daywork Contract	209			\$	789,000.00					\$ -	\$	789,000.0
O-Directional Drlg Services	210			\$	421,000.00					\$ -	\$	421,000.0
)-Fuel & Power	211			\$	136,000.00					\$ -	\$	136,000.0
)-Water	212			\$	115,000.00					\$ -	\$	115,000.
D-Bits	213			\$	145,000.00					\$ -	\$	145,000.
O-Mud & Chemicals	214			\$	297,000.00					\$ -	\$	297,000.
O-Cement Surface	217			\$	29,000.00					\$ -	\$	29,000.
O-Cement Intermed	218			\$	114,000.00					\$ -	\$	114,000.
O-Prod-2nd Int Cmt	219			\$	168,000.00					\$ -	\$	168,000.
O-Float Equipment & Centralizers	221		ļ	\$	92,000.00					\$ -	\$	92,000.0
O-Csg Crews & Equip	222 225			\$	99,000.00					\$ - \$ -	\$,
O-Contract Labor	225		+	\$						\$ -	\$	10,000.
O-Company Sprvsn	226			\$	66,000.00					\$ -	\$	66,000.
O-Contract Sprvsn	228			\$	165,000.00 61,000.00					\$ -	\$	165,000. 61,000.
)-Tstg Csg/Tbg	228		+	\$	61,000.00					\$ -	\$	61,000.
O-Mud Logging Unit O-Rentals-Surface	235		+	\$	256,000.00					\$ -	\$	256,000.
O-Rentals-Subsrfc	235		+	\$	119,000.00					\$ -	\$	119,000.
O-Trucking/Forklift/Rig Mob	230			\$	244,000.00					\$ -	\$	244,000.
	237			\$	5,000.00						\$	5,000.
O-Welding Services O-Contingency	243			\$	92,000.00					\$ -	\$	92,000.
D-Envrnmtl/Clsd Loop	243			\$	403,000.00	 				\$ -	\$	403,000.
C-Wellbore Frac Prep	304		 	Ψ		\$	212,000.00			\$ -	\$	212,000.
C-Lctn/Pits/Roads	304		 	 		\$	22,000.00			\$ -	\$	22,000.
C-Completion OH	306		1	H		\$	33,000.00			\$ -	\$	33,000.
C-Frac Equipment	307		1	H		\$	1,448,000.00			\$ -	\$	1,448,000.
C-Frac Chemicals	307		<u> </u>			\$	918,000.00			\$ -	\$	918,000.
C-Frac Proppant	309			1		\$	416,000.00			\$ -	\$	416,000.
C-Frac Proppant Transportation	310		1	H		\$	647,000.00			\$ -	\$	647,000.
C-Fuel Delivery & Services	311					\$	93,000.00			\$ -	\$	93,000.
-Water	312					\$	612,000.00			\$ -	\$	612,000.
C-Frac Surface Rentals	315					\$	577,000.00			\$ -	\$	577,000.
C-Contract Labor	325					\$	22,000.00			\$ -	\$	22,000.
C-Company Sprvsn	326					\$	22,000.00			\$ -	\$	22,000.0
C-Contract Sprvsn	327					\$	308,000.00			\$ -	\$	308,000.0
-Artificial Lift Install	329					\$	99,000.00			\$ -	\$	99,000.
C-Perf/Wireline Svc	331					\$	711,000.00			\$ -	\$	711,000.0
C-Trucking/Forklift/Rig Mob	337					\$	22,000.00			\$ -	\$	22,000.
C-Water Disposal	339					\$	88,000.00			\$ -	\$	88,000.0
C-Contingency	343					\$	165,000.00			\$ -	\$	165,000.0
C-Dyed Diesel	345					\$	346,000.00			\$ -	\$	346,000.0
C-Drillout	346					\$	660,000.00			\$ -	\$	660,000.0
FB-Damages/Right of Way	351						*	\$ 2,000.00		\$ -	\$	2,000.0
TB-Location/Pits/Roads	353							\$ 45,000.00		\$ -	\$	45,000.0
FB-Contract Labor	356							\$ 244,000.00		\$ -	\$	244,000.0
PEQ-Contract Labor	374								\$ 18,000.00	\$ -	\$	18,000.0
PEQ-Water Disposal	387								\$ 81,000.00	\$ -	\$	81,000.0
PEQ-HRZ Well Offset Frac	391								\$ 9,000.00	\$ -	\$	9,000.0
Total Intangible Costs		\$ -	\$ -	\$	4,043,000.00	\$	7,421,000.00	\$ 291,000.00	\$ 108,000.00	\$ -	\$	11,863,000.0
			•		•					•		
angible Costs												
PEQ-Flowback Crews & Equip	392								\$ 49,000.00	\$ -	\$	49,000.0
)-Surface Casing	401			\$	32,000.00					\$ -	\$	32,000.0
O-Intermed Csg	402			\$	253,000.00					\$ -	\$	253,000.0
D-Production Casing/Liner	403			\$	628,000.00					\$ -	\$	628,000.
)-Wellhead Equip	405			\$	115,000.00					\$ -	\$	115,000.
-Tubing	504					\$	115,000.00			\$ -	\$	115,000.
C-Wellhead Equip	505					\$	62,000.00			\$ -	\$	62,000.
B-Tanks	510			<u> </u>				\$ 78,000.00		\$ -	\$	78,000.
B-Flowlines/Pipelines	511			<u> </u>				\$ 35,000.00		\$ -	\$	35,000.
B-Htr Trtr/Seprtr	512			<u> </u>				\$ 251,000.00		\$ -	\$	251,000.
B-Electrical System/Equipment	513			<u> </u>		<u> </u>		\$ 154,000.00		\$ -	\$	154,000.
C-Pckrs/Anchors/Hgrs	514			<u> </u>		\$	143,000.00			\$ -	\$	143,000.
B-Couplings/Fittings/Valves	515		-	<u> </u>				\$ 261,000.00		\$ -	\$	261,000.
B-Pumps-Surface	521		<u> </u>	<u> </u>				\$ 35,000.00		\$ -	\$	35,000.0
TB-Instrumentation/SCADA/POC	522			1		-		\$ 26,000.00		\$ -	\$	26,000.
FB-Miscellaneous	523			<u> </u>				\$ 26,000.00		\$ -	\$	26,000.
B-Meters/Lacts	525		1	-		_		\$ 35,000.00		\$ -	\$	35,000.
B-Flares/Combusters/Emission	526			1		_	55.000.00	\$ 42,000.00		\$ -	\$	42,000.
C-Gas Lift/Compression	527			<u> </u>		\$	55,000.00		Φ	\$ -	\$	55,000.
PEQ-Wellhead Equipment	531	•	*		4 000 000 00	•	275 000 00	6 040 000 00	\$ 18,000.00	\$ -	\$	18,000.0
otal Tangible Costs		\$ -	\$ -	\$	1,028,000.00	\$	375,000.00	\$ 943,000.00	\$ 67,000.00	\$ -	\$	2,413,000.
Total Gross Cost		\$ -	\$ -	\$	5,071,000.00	¢	7,796,000.00	\$ 1,234,000.00	\$ 175,000.00	\$ -	\$	14,276,000.
lote: The above costs are estima	tes only A					Ą	7,796,000.00	\$ 1,234,000.00	\$ 175,000.00		Ą	14,276,000.
THE ADOVE COSIS ATE ESUITIA	.co omy. A	101441 COSIS V	· DC DIIICU dS	iiicui	,,,ou.							
COG Operating LLC												
By:			_					Date Prepared:	7/19/22		_	
Ne annrove:								COG Operating LLC				
Ve approve: % Working Interest								By:				
, a a.nang morest											_	
Company:			_									
By:	· <u></u>		_									
rinted Name:												
rinted Name: itle:			-					This AFE is only an estimat	e. By signing you agree to p	av		
			-					your share of the actual co		-1		
ate:								Your Share of the actual co	SIS IIICUITEU.			

Well Name ATTICUS STATE COM 703H

SHL 36-25S-27E: 345 FSL, 2618 FWL OR UNIT N

BHL 24-25S-27E: 200 FNL, 2250 FEL OR UNIT B

Formation WOLFCAMP

Legal 24, 25, 36, 25S-27E

Prospect ATLAS 2527
State & County NM, EDDY
Objective D&C
Depth 24,400
TVD 9,200

Cost Description	Code	PreSpud (PS)	Pre-Set Casing(PC)		Prilling (DR)	Co	mpletions (C)	Tank Btty Constrctn(TB	Pmpq Equip (PEQ)	Revision			Total
Intangible Costs		(F-3)	- Casing(FC)										
D-Lctn/Pits/Roads	205			\$	145,000.00					\$ -		\$	145,000.00
D-Drilling Overhead	206			\$	11,000.00					\$ -		\$	11,000.00
D-Daywork Contract	209			\$	789,000.00					\$ -		\$	789,000.00
D-Directional Drlg Services	210			\$	421,000.00					\$ -	_	\$	421,000.00
D-Fuel & Power	211			\$	136,000.00					\$ -	_	\$	136,000.00
D-Water	212			\$	115,000.00					\$ -	_	\$	115,000.00
D-Bits D-Mud & Chemicals	213 214			\$	145,000.00 297,000.00					\$ -	_	\$	145,000.00 297,000.00
D-Cement Surface	214			\$	29,000.00					\$ -	_	\$	29,000.00
D-Cement Intermed	218			\$	114,000.00					\$ -	_	\$	114,000.00
D-Prod-2nd Int Cmt	219			\$	168,000.00					\$ -		\$	168,000.00
D-Float Equipment & Centralizers	221			\$	92,000.00					\$ -		\$	92,000.00
D-Csg Crews & Equip	222			\$	99,000.00					\$ -		\$	99,000.00
D-Contract Labor	225			\$	10,000.00					\$ -		\$	10,000.00
D-Company Sprvsn	226			\$	66,000.00					\$ -		\$	66,000.00
D-Contract Sprvsn	227			\$	165,000.00					\$ -		\$	165,000.00
D-Tstg Csg/Tbg	228			\$	61,000.00					\$ -	_	\$	61,000.00
D-Mud Logging Unit	229			\$	61,000.00					\$ -	_	\$	61,000.00
D-Rentals-Surface	235			\$	256,000.00					\$ -	_	\$	256,000.00
D-Rentals-Subsrfc	236			\$	119,000.00					\$ -		\$	119,000.00
D-Trucking/Forklift/Rig Mob D-Welding Services	237 238		-	\$	244,000.00 5,000.00					\$ -		\$	244,000.00 5,000.00
D-Contingency	243			\$	92,000.00					\$ -	_	\$	92,000.00
D-Envrnmtl/Clsd Loop	243			\$	403,000.00					\$ -	_	\$	403,000.00
C-Wellbore Frac Prep	304			۳	.00,000.00	\$	212,000.00			\$ -	_	\$	212,000.00
C-Lctn/Pits/Roads	305			t		\$	22,000.00		<u> </u>	\$ -	_	\$	22,000.00
C-Completion OH	306					\$	33,000.00			\$ -	_	\$	33,000.00
C-Frac Equipment	307					\$	1,448,000.00			\$ -		\$	1,448,000.00
C-Frac Chemicals	308					\$	918,000.00			\$ -		\$	918,000.00
C-Frac Proppant	309					\$	416,000.00			\$ -		\$	416,000.00
C-Frac Proppant Transportation	310					\$	647,000.00			\$ -		\$	647,000.00
C-Fuel Delivery & Services	311					\$	93,000.00			\$ -		\$	93,000.00
C-Water	312					\$	612,000.00			\$ -	_	\$	612,000.00
C-Frac Surface Rentals	315					\$	577,000.00			\$ -	_	\$	577,000.00
C-Contract Labor	325					\$	22,000.00			\$ -		\$	22,000.00
C-Company Sprvsn	326					\$	22,000.00			\$ -		\$	22,000.00
C-Contract Sprvsn C-Artificial Lift Install	327 329		-			\$	308,000.00 99,000.00			\$ -	_	\$ \$	308,000.00 99,000.00
C-Perf/Wireline Svc	331					\$	711,000.00			\$ -		\$	711,000.00
C-Trucking/Forklift/Rig Mob	337					\$	22,000.00			\$ -	_	\$	22,000.00
C-Water Disposal	339					\$	88,000.00			\$ -	_	\$	88,000.00
C-Contingency	343					\$	165,000.00			\$ -	_	\$	165,000.00
C-Dyed Diesel	345					\$	346,000.00			\$ -		\$	346,000.00
C-Drillout	346					\$	660,000.00			\$ -		\$	660,000.00
TB-Damages/Right of Way	351							\$ 2,000.00		\$ -	. [\$	2,000.00
TB-Location/Pits/Roads	353							\$ 45,000.00		\$ -		\$	45,000.00
TB-Contract Labor	356							\$ 244,000.00		\$ -		\$	244,000.00
PEQ-Contract Labor	374								\$ 18,000.00	\$ -	_	\$	18,000.00
PEQ-Water Disposal	387								\$ 81,000.00		_	\$	81,000.00
PEQ-HRZ Well Offset Frac Total Intangible Costs	391	\$ -	\$ -	\$	4,043,000.00	6	7,421,000.00	\$ 291,000.00	\$ 9,000.00 \$ 108,000.00		_	\$ \$	9,000.00 11,863,000.00
Total Intaligible Costs		3 -	3 -	Ą	4,043,000.00	Ą	7,421,000.00	3 291,000.00	\$ 100,000.00	<u>,</u>		ð	11,063,000.00
Tangible Costs													
PEQ-Flowback Crews & Equip	392								\$ 49,000.00	\$ -	.	\$	49,000.00
D-Surface Casing	401			\$	32,000.00					\$ -		\$	32,000.00
D-Intermed Csg	402			\$	253,000.00					\$ -		\$	253,000.00
D-Production Casing/Liner	403			\$	628,000.00					\$ -		\$	628,000.00
D-Wellhead Equip	405			\$	115,000.00					\$ -	_	\$	115,000.00
C-Tubing	504					\$	115,000.00			\$ -	_	\$	115,000.00
C-Wellhead Equip	505		1	<u> </u>		\$	62,000.00	¢ 70,000,00	1	\$ -	_	\$	62,000.00
TB-Tanks TB-Flowlines/Pipelines	510 511		1	<u> </u>				\$ 78,000.00 \$ 35,000.00		\$ -	_	\$	78,000.00 35,000.00
TB-Htr Trtr/Seprtr	511		1	 				\$ 35,000.00 \$ 251,000.00		\$ -		\$	251,000.00
TB-Electrical System/Equipment	513		1	\vdash				\$ 251,000.00		\$ -	_	\$	154,000.00
C-Pckrs/Anchors/Hgrs	514					\$	143,000.00	, 104,000.00		\$ -	_	\$	143,000.00
TB-Couplings/Fittings/Valves	515					Ĺ	-,-30.00	\$ 261,000.00		\$ -	_	\$	261,000.00
TB-Pumps-Surface	521			t				\$ 35,000.00		\$ -	_	\$	35,000.00
TB-Instrumentation/SCADA/POC	522							\$ 26,000.00		\$ -	_	\$	26,000.00
TB-Miscellaneous	523							\$ 26,000.00		\$ -		\$	26,000.00
TB-Meters/Lacts	525							\$ 35,000.00		\$ -		\$	35,000.00
TB-Flares/Combusters/Emission	526							\$ 42,000.00		\$ -	.]	\$	42,000.00
C-Gas Lift/Compression	527			<u> </u>		\$	55,000.00		ļ			\$	55,000.00
PEQ-Wellhead Equipment	531	•	6		4 000 000 00		275.000.00	6 010 000	\$ 18,000.00	\$ -	_	\$	18,000.00
Total Tangible Costs		\$ -	\$ -	\$	1,028,000.00	\$	375,000.00	\$ 943,000.00	\$ 67,000.00	\$	-	\$	2,413,000.00
Total Gross Cost		\$ -	e	\$	5,071,000.00	¢	7,796,000.00	\$ 1,234,000.00	\$ 175,000.00	\$		\$	14,276,000.00
Note: The above costs are estima	tes only. A		vill be billed as			Ą	7,796,000.00	3 1,234,000.00	\$ 175,000.00	, φ		Į.	14,276,000.00
	Jy. A	55010 V											
COG Operating LLC													
By:								Date Prepared:	7/19/22				
			-						**				
We approve								COG Operating LLC					
We approve: % Working Interest								COG Operating LLC By:					

This AFE is only an estimate. By signing you agree to pay your share of the actual costs incurred.

Released to Imaging: 10/6/2022 11:05:36 AM

Printed Name: Title: Date:

Well Name ATTICUS STATE COM 704H

SHL 36-25S-27E: 345 FSL, 2588 FWL OR UNIT N

BHL 24-25S-27E: 200 FNL, 2130 FWL OR UNIT C

Formation WOLFCAMP

Legal 24, 25, 36, 25S-27E

Prospect ATLAS 2527
State & County NM, EDDY
Objective D&C
Depth 24,400
TVD 9,200

	Code	PreSpud (PS)	Pre-Set Casing(PC)	D	rilling (DR)	Cor	mpletions (C)	Tank Btty Constrctn(TB) Pmpq Equip (PEQ)	Revision		Total
ntangible Costs		,										
D-Lctn/Pits/Roads	205			\$	145,000.00	_				\$ -	\$	145,000.
D-Drilling Overhead	206			\$	11,000.00	_				\$ -	\$	11,000.
D-Daywork Contract	209			\$	789,000.00	_				\$ -	\$	789,000.
D-Directional Drlg Services	210			\$	421,000.00	_				\$ -	\$	421,000
)-Fuel & Power	211			\$	136,000.00	_				\$ -	\$	136,000
)-Water	212			\$	115,000.00	<u> </u>				\$ -	\$	115,000
O-Bits	213			\$	145,000.00	<u> </u>				\$ -	\$	145,000
O-Mud & Chemicals	214			\$	297,000.00					\$ -	\$	297,000
O-Cement Surface	217			\$	29,000.00					\$ -	\$	29,000
P-Cement Intermed	218	l		\$	114,000.00					\$ -	\$	114,000
D-Prod-2nd Int Cmt	219			\$	168,000.00					\$ -	\$	168,000
O-Float Equipment & Centralizers	221			\$	92,000.00					\$ -	\$	92,000
O-Csg Crews & Equip	222			\$	99,000.00					\$ -	\$	99,000
O-Contract Labor	225			\$	10,000.00					\$ -	\$	10,000
O-Company Sprvsn	226			\$	66,000.00					\$ -	\$	66,000
D-Contract Sprvsn	227			\$	165,000.00					\$ -	\$	165,000
D-Tstg Csg/Tbg	228	1		\$	61,000.00	1				\$ -	\$	61,000
O-Mud Logging Unit	229			\$	61,000.00					\$ -	\$	61,000
O-Rentals-Surface	235			\$	256,000.00					\$ -	\$	256,000
D-Rentals-Subsrfc	236			\$	119,000.00					\$ -	\$	119,000
D-Trucking/Forklift/Rig Mob	237	l	1	\$	244,000.00					\$ -	\$	244,000
D-Welding Services	238			\$	5,000.00					\$ -	\$	5,000
O-Welding services O-Contingency	243			\$	92,000.00			†	1	\$ -	\$	92,000
O-Envrnmtl/Clsd Loop	243	—	1	\$	403,000.00			+	+	\$ -	\$	403,000
·	304		†	Ψ	403,000.00	\$	212,000.00		+	\$ -	\$	212,000
-Wellbore Frac Prep			†	\vdash					+			
C-Lctn/Pits/Roads	305			\vdash		\$	22,000.00			\$ -	\$	22,000
C-Completion OH	306	 		\vdash		\$	33,000.00			\$ -	\$	33,000
C-Frac Equipment	307		-	₩		\$	1,448,000.00		+	\$ -	\$	1,448,000
C-Frac Chemicals	308			—		\$	918,000.00		ļ	\$ -	\$	918,000
-Frac Proppant	309			<u> </u>		\$	416,000.00			\$ -	\$	416,000
C-Frac Proppant Transportation	310			<u> </u>		\$	647,000.00			\$ -	\$	647,000
C-Fuel Delivery & Services	311			<u> </u>		\$	93,000.00			\$ -	\$	93,000
C-Water	312	L				\$	612,000.00			\$ -	\$	612,000
C-Frac Surface Rentals	315	<u> </u>				\$	577,000.00			\$ -	\$	577,000
-Contract Labor	325	l				\$	22,000.00			\$ -	\$	22,000
C-Company Sprvsn	326					\$	22,000.00			\$ -	\$	22,000
C-Contract Sprvsn	327					\$	308,000.00			\$ -	\$	308,000
-Artificial Lift Install	329					\$	99,000.00			\$ -	\$	99,000
C-Perf/Wireline Svc	331	1				\$	711,000.00			\$ -	\$	711,000
-Trucking/Forklift/Rig Mob	337	1				\$	22,000.00			\$ -	\$	22,000
C-Water Disposal	339					\$	88,000.00			\$ -	\$	88,000
C-Contingency	343					\$	165,000.00			\$ -	\$	165,000
C-Dyed Diesel	345					\$	346,000.00			\$ -	\$	346,000
C-Drillout	346					\$	660,000.00			\$ -	\$	660,000
B-Damages/Right of Way	351					+*-	,	\$ 2,000.00		\$ -	\$	2,000
B-Location/Pits/Roads	353			 		+		\$ 45,000.00		\$ -	\$	45,000
B-Contract Labor	356			 		+		\$ 244,000.00		\$ -	\$	244,000
PEQ-Contract Labor	374	 		 		+		Ψ 244,000.00	\$ 18,000.00	\$ -	\$	18,000
•		 		-		+					_	
PEQ-Water Disposal PEQ-HRZ Well Offset Frac	387 391			┢		+			\$ 81,000.00 \$ 9,000.00		\$	9,000
	391	•	\$ -	\$	4,043,000.00	•	7,421,000.00	\$ 291,000.00	<u> </u>		\$	
otal Intangible Costs		\$ -	3 -	Þ	4,043,000.00	Þ	7,421,000.00	\$ 291,000.00	\$ 100,000.00	\$ -	Ą	11,863,000
angible Costs												
EQ-Flowback Crews & Equip		,				$\overline{}$		1		1.		
	392					lacksquare			\$ 49,000.00		\$	49,000
)-Surface Casing	401			\$	32,000.00				\$ 49,000.00	\$ -	\$	32,000
D-Surface Casing D-Intermed Csg	401 402			\$	253,000.00				\$ 49,000.00	\$ - \$ -	\$ \$	32,000 253,000
D-Surface Casing D-Intermed Csg D-Production Casing/Liner	401 402 403			\$	253,000.00 628,000.00				\$ 49,000.00	\$ - \$ - \$ -	\$ \$ \$	32,000 253,000 628,000
D-Surface Casing D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip	401 402 403 405			\$	253,000.00				\$ 49,000.00	\$ - \$ - \$ -	\$ \$ \$	32,000 253,000 628,000 115,000
D-Surface Casing D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip D-Tubing	401 402 403 405 504			\$	253,000.00 628,000.00	\$	115,000.00		\$ 49,000.00	\$ - \$ - \$ - \$ -	\$ \$ \$ \$	32,000 253,000 628,000 115,000 115,000
D-Surface Casing D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip D-Tubing D-Wellhead Equip	401 402 403 405 504 505			\$	253,000.00 628,000.00		115,000.00 62,000.00			\$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$	32,000 253,000 628,000 115,000 62,000
O-Surface Casing O-Intermed Csg O-Production Casing/Liner O-Wellhead Equip O-Wellhead Equip O-Wellhead Equip O-Wellhead Equip	401 402 403 405 504 505 510			\$	253,000.00 628,000.00	\$		\$ 78,000.00		\$ - \$ - \$ - \$ -	\$ \$ \$ \$	32,000 253,000 628,000 115,000 115,000 62,000 78,000
O-Surface Casing O-Intermed Csg O-Production Casing/Liner O-Wellhead Equip O-Wellhead Equip O-Wellhead Equip O-Wellhead Equip	401 402 403 405 504 505			\$	253,000.00 628,000.00	\$		\$ 78,000.00 \$ 35,000.00		\$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$	32,000 253,000 628,000 115,000 115,000 62,000 78,000
D-Surface Casing D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip D-Wellhead Equip D-Wellhead Equip D-Wellhead Equip D-Wellhead Equip D-Flanks D-Flowlines/Pipelines	401 402 403 405 504 505 510			\$	253,000.00 628,000.00	\$				\$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$	32,000 253,000 628,000 115,000 115,000 62,000 78,000 35,000
D-Surface Casing D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip D-Tubing D-Wellhead Equip D-Tubing D-Franks D-Flowlines/Pipelines D-Htr Trtr/Seprtr	401 402 403 405 504 505 510 511			\$	253,000.00 628,000.00	\$		\$ 35,000.00		\$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$	32,000 253,000 628,000 115,000 115,000 78,000 35,000 251,000
D-Surface Casing D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip T-Tubing D-Hranks B-Flowlines/Pipelines B-Htr Trtr/Seprtr B-Electrical System/Equipment D-Production Casing/Liner D-Productio	401 402 403 405 504 505 510 511			\$	253,000.00 628,000.00	\$		\$ 35,000.00 \$ 251,000.00		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$	32,000 253,000 628,000 115,000 115,000 62,000 78,000 35,000 251,000
P-Surface Casing P-Intermed Csg P-Production Casing/Liner P-Wellhead Equip P-Tubing P-Wellhead Equip P-Tanks P-Flowlines/Pipelines P-Htr Trtr/Seprtr P-Electrical System/Equipment P-Pckrs/Anchors/Hgrs	401 402 403 405 504 505 510 511 512 513			\$	253,000.00 628,000.00	\$ \$	62,000.00	\$ 35,000.00 \$ 251,000.00		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$	32,000 253,000 628,000 115,000 62,000 78,000 35,000 251,000 154,000
D-Surface Casing D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip D-Tubing D-Wellhead Equip D-Tubing D-Wellhead Equip D-Tubing D-	401 402 403 405 504 505 510 511 512 513			\$	253,000.00 628,000.00	\$ \$	62,000.00	\$ 35,000.00 \$ 251,000.00 \$ 154,000.00		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$	32,000 253,000 628,000 115,000 62,000 78,000 251,000 154,000 143,000 261,000
D-Surface Casing D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip D-Wellhead Equip D-Wellhead Equip D-Tanks D-Flowlines/Pipelines D-Htr Trtr/Seprtr D-Electrical System/Equipment D-Pckrs/Anchors/Hgrs D-Couplings/Fittings/Valves D-Pumps-Surface	401 402 403 405 504 505 510 511 512 513 514 515			\$	253,000.00 628,000.00	\$ \$	62,000.00	\$ 35,000.00 \$ 251,000.00 \$ 154,000.00 \$ 261,000.00		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$	32,000 253,000 628,000 115,000 62,000 78,000 35,000 251,000 143,000 261,000
D-Surface Casing D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip D-Wellhead Equip D-Trubing D-Wellhead Equip D-Trubing D-Trubi	401 402 403 405 504 505 510 511 513 514 515 521			\$	253,000.00 628,000.00	\$ \$	62,000.00	\$ 35,000.00 \$ 251,000.00 \$ 154,000.00 \$ 261,000.00 \$ 35,000.00 \$ 26,000.00		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	32,000 253,000 628,000 115,000 62,000 78,000 35,000 251,000 143,000 261,000 35,000
D-Surface Casing D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip D-Wellhead Equip D-Trubing D-Wellhead Equip D-Trubing D-Wellhead Equip D-Trubing D-Tubing	401 402 403 405 504 505 510 511 512 513 514 515 521 522			\$	253,000.00 628,000.00	\$ \$	62,000.00	\$ 35,000.00 \$ 251,000.00 \$ 154,000.00 \$ 261,000.00 \$ 35,000.00 \$ 26,000.00 \$ 26,000.00		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	32,000 253,000 628,000 115,000 62,000 78,000 35,000 251,000 143,000 261,000 35,000 26,000
D-Surface Casing D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip D-Tubing D-Wellhead Equip D-Tubing D-Wellhead Equip D-Tubing D-	401 402 403 405 504 505 510 511 512 513 514 515 521 522 523			\$	253,000.00 628,000.00	\$ \$	62,000.00	\$ 35,000.00 \$ 251,000.00 \$ 154,000.00 \$ 261,000.00 \$ 35,000.00 \$ 26,000.00 \$ 26,000.00 \$ 35,000.00		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	32,000 253,000 628,000 115,000 78,000 35,000 251,000 154,000 261,000 261,000 26,000 26,000
D-Surface Casing D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip D-Tubing D-Wellhead Equip D-Tubing D-Wellhead Equip D-Tubing D-	401 402 403 405 504 505 510 511 512 513 514 515 521 522 522 523 525			\$	253,000.00 628,000.00	\$ \$	62,000.00	\$ 35,000.00 \$ 251,000.00 \$ 154,000.00 \$ 261,000.00 \$ 35,000.00 \$ 26,000.00 \$ 26,000.00		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	32,000 253,000 628,000 115,000 115,000 78,000 35,000 154,000 143,000 261,000 35,000 35,000 42,000
D-Surface Casing D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip T-Tubing D-Wellhead Equip B-Tanks B-Flowlines/Pipelines B-Htr Trtr/Seprtr B-Electrical System/Equipment D-Pokrs/Anchors/Hgrs B-Couplings/Fittings/Valves B-Pumps-Surface B-Instrumentation/SCADA/POC B-Miscellaneous B-Meters/Lacts B-Flares/Combusters/Emission Gas Lift/Compression	401 402 403 405 504 505 510 511 512 513 514 515 521 522 523 525 526 527			\$	253,000.00 628,000.00	\$ \$	62,000.00	\$ 35,000.00 \$ 251,000.00 \$ 154,000.00 \$ 261,000.00 \$ 35,000.00 \$ 26,000.00 \$ 26,000.00 \$ 35,000.00		\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	32,000 253,000 628,000 115,000 115,000 62,000 78,000 35,000 154,000 261,000 260,000 26,000 26,000 26,000 42,000 55,000
D-Surface Casing D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip D-Tubing D-Wellhead Equip D-Tubing D-Wellhead Equip D-Tubing D-	401 402 403 405 504 505 510 511 512 513 514 515 521 522 522 523 525		\$ -	\$ \$	253,000.00 628,000.00	\$ \$	62,000.00	\$ 35,000.00 \$ 251,000.00 \$ 154,000.00 \$ 261,000.00 \$ 35,000.00 \$ 26,000.00 \$ 26,000.00 \$ 35,000.00	\$ 18,000.00	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	32,000 253,000 628,000 115,000 78,000 35,000 251,000 143,000 261,000 26,000 26,000 35,000 42,000
D-Surface Casing D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip D-Tubing D-Tu	401 402 403 405 504 505 510 511 512 513 514 515 521 522 523 525 526 527	\$ -		\$ \$	253,000.00 628,000.00 115,000.00	\$ \$	62,000.00 143,000.00 55,000.00	\$ 35,000.00 \$ 251,000.00 \$ 154,000.00 \$ 261,000.00 \$ 26,000.00 \$ 26,000.00 \$ 35,000.00 \$ 42,000.00 \$ 943,000.00	\$ 18,000.00 \$ 67,000.00	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	32,000 253,000 253,000 115,000 115,000 78,000 35,000 251,000 143,000 261,000 35,000 26,000 26,000 35,000 26,000 26,000 35,000 42,000 55,000 18,000
D-Surface Casing D-Intermed Csg D-Production Casing/Liner D-Wellhead Equip D-Wellhead Equip D-Wellhead Equip D-Wellhead Equip D-Wellhead Equip D-Tubing D-Wellhead Equip D-Tubing D-Wellhead Equip D-Tubing D-Tubi	401 402 403 405 504 505 510 511 512 513 514 515 521 522 523 525 526 527 531	\$ -	\$ -	\$ \$	253,000.00 628,000.00 115,000.00 1,028,000.00	\$ \$	62,000.00 143,000.00 55,000.00	\$ 35,000.00 \$ 251,000.00 \$ 154,000.00 \$ 261,000.00 \$ 26,000.00 \$ 26,000.00 \$ 35,000.00 \$ 42,000.00 \$ 943,000.00	\$ 18,000.00 \$ 67,000.00	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	32,000 253,000 115,000 115,000 62,000 78,000 251,000 154,000 261,000 35,000 26,000 26,000 35,000 35,000 35,000 143,000 35,000 143,000 143,000 143,000 143,000
P-Surface Casing P-Intermed Csg P-Production Casing/Liner P-Wellhead Equip P-Wellhead Equip P-Tanks P-Tanks P-Flowlines/Pipelines P-Htr Trtr/Seprtr P-Electrical System/Equipment P-Ckrs/Anchors/Hgrs P-Couplings/Fittings/Valves P-Pumps-Surface B-Instrumentation/SCADA/POC B-Miscellaneous B-Meters/Lacts B-Flares/Combusters/Emission F-Gas Lift/Compression EQ-Wellhead Equipment Total Tangible Costs	401 402 403 405 504 505 510 511 512 513 514 515 521 522 523 525 526 527 531	\$ -	\$ -	\$ \$	253,000.00 628,000.00 115,000.00 1,028,000.00	\$ \$	62,000.00 143,000.00 55,000.00	\$ 35,000.00 \$ 251,000.00 \$ 154,000.00 \$ 261,000.00 \$ 26,000.00 \$ 26,000.00 \$ 35,000.00 \$ 42,000.00 \$ 943,000.00	\$ 18,000.00 \$ 67,000.00	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	32,000 253,000 253,000 115,000 115,000 78,000 35,000 251,000 143,000 261,000 35,000 26,000 26,000 35,000 26,000 26,000 35,000 42,000 55,000 18,000
-Surface Casing -Intermed Csg -Production Casing/Liner -Wellhead Equip -Tubing -Wellhead Equip B-Tanks B-Flowlines/Pipelines B-Htr Trtr/Seprtr B-Electrical System/Equipment -Pckrs/Anchors/Hgrs B-Couplings/Fittings/Valves B-Pumps-Surface B-Instrumentation/SCADA/POC B-Miscellaneous B-Meters/Lacts B-Flares/Combusters/Emission -Gas Lift/Compression EQ-Wellhead Equipment otal Tangible Costs	401 402 403 405 504 505 510 511 512 513 514 515 521 522 523 525 526 527 531	\$ -	\$ -	\$ \$	253,000.00 628,000.00 115,000.00 1,028,000.00	\$ \$	62,000.00 143,000.00 55,000.00	\$ 35,000.00 \$ 251,000.00 \$ 154,000.00 \$ 261,000.00 \$ 26,000.00 \$ 26,000.00 \$ 35,000.00 \$ 42,000.00 \$ 943,000.00	\$ 18,000.00 \$ 67,000.00	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	32,000 253,000 253,000 115,000 115,000 78,000 35,000 251,000 143,000 261,000 35,000 26,000 42,000 55,000 18,000 2,413,000
-Surface Casing -Intermed Csg -Production Casing/Liner -Wellhead Equip -Tubing	401 402 403 405 504 505 510 511 512 513 514 515 521 522 523 525 526 527 531	\$ -	\$ -	\$ \$	253,000.00 628,000.00 115,000.00 1,028,000.00	\$ \$	62,000.00 143,000.00 55,000.00 375,000.00	\$ 35,000.00 \$ 251,000.00 \$ 154,000.00 \$ 261,000.00 \$ 26,000.00 \$ 26,000.00 \$ 35,000.00 \$ 42,000.00 \$ 943,000.00	\$ 18,000.00 \$ 67,000.00	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	32,000 253,000 253,000 115,000 115,000 78,000 35,000 251,000 143,000 261,000 35,000 26,000 42,000 55,000 18,000 2,413,000
-Surface Casing -Intermed Csg -Production Casing/Liner -Wellhead Equip -Tubing -Wellhead Equip -Trubing -Wellhead Equip -Trubing -Trubing -Wellhead Equip -Trubing -T	401 402 403 405 504 505 510 511 512 513 514 515 521 522 523 525 526 527 531	\$ -	\$ -	\$ \$	253,000.00 628,000.00 115,000.00 1,028,000.00	\$ \$	62,000.00 143,000.00 55,000.00 375,000.00	\$ 35,000.00 \$ 251,000.00 \$ 154,000.00 \$ 261,000.00 \$ 35,000.00 \$ 26,000.00 \$ 35,000.00 \$ 42,000.00 \$ 1,234,000.00	\$ 18,000.00 \$ 67,000.00 \$ 175,000.00	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	32,000 253,000 253,000 115,000 115,000 78,000 35,000 251,000 143,000 261,000 35,000 26,000 42,000 55,000 18,000 2,413,000
-Surface Casing -Intermed Csg -Production Casing/Liner -Wellhead Equip -Trubing -Wellhead Equip -Trubing -Trubi	401 402 403 405 504 505 510 511 512 513 514 515 521 522 523 525 526 527 531	\$ -	\$ -	\$ \$	253,000.00 628,000.00 115,000.00 1,028,000.00	\$ \$	62,000.00 143,000.00 55,000.00 375,000.00	\$ 35,000.00 \$ 251,000.00 \$ 154,000.00 \$ 261,000.00 \$ 35,000.00 \$ 26,000.00 \$ 35,000.00 \$ 42,000.00 \$ 42,000.00 \$ 1,234,000.00	\$ 18,000.00 \$ 67,000.00 \$ 175,000.00	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	32,000 253,000 253,000 115,000 115,000 78,000 35,000 251,000 143,000 261,000 35,000 26,000 26,000 35,000 26,000 26,000 35,000 42,000 55,000 18,000

This AFE is only an estimate. By signing you agree to pay your share of the actual costs incurred.

Printed Name: Title:

Well Name ATTICUS STATE COM 705H
SHL 36-25S-27E: 330 FSL, 807 FWL OR UNIT M
BHL 24-25S-27E: 200 FNL, 1230 FWL OR UNIT D
Formation WOLFCAMP
Legal 24, 25, 36, 25S-27E

Prospect ATLAS 2527 State & County NM, EDDY Objective D&C Depth 24,400 TVD 9,200

Cost Description	Code	PreSpud (PS)	Pre-Set Casing(PC)	Drilling (DR)	Completions (C)	Tank Btty Constrctn(TB)	Pmpq Equip (PEQ)	Revision	Total
Intangible Costs			1						
D-Lctn/Pits/Roads	205			\$ 145,000.00				\$ -	\$ 145,000.00
D-Drilling Overhead	206			\$ 11,000.00				\$ -	\$ 11,000.00
D-Daywork Contract	209		ļ	\$ 789,000.00				\$ -	\$ 789,000.00
D-Directional Drlg Services D-Fuel & Power	210 211			\$ 421,000.00 \$ 136,000.00				\$ - \$ -	\$ 421,000.00 \$ 136,000.00
D-Water	211			\$ 115,000.00				\$ -	\$ 115,000.00
D-Bits	213			\$ 145,000.00				\$ -	\$ 145,000.00
D-Mud & Chemicals	214			\$ 297,000.00				\$ -	\$ 297,000.00
D-Cement Surface	217			\$ 29,000.00				\$ -	\$ 29,000.00
D-Cement Intermed	218			\$ 114,000.00				\$ -	\$ 114,000.00
D-Prod-2nd Int Cmt	219			\$ 168,000.00				\$ -	\$ 168,000.00
D-Float Equipment & Centralizers	221			\$ 92,000.00				\$ -	\$ 92,000.00
D-Csg Crews & Equip	222			\$ 99,000.00				\$ -	\$ 99,000.00
D-Contract Labor D-Company Sprvsn	225 226			\$ 10,000.00 \$ 66,000.00				\$ - \$ -	\$ 10,000.00 \$ 66,000.00
D-Contract Sprvsn	220		†	\$ 165,000.00				\$ -	\$ 165,000.00
D-Tstg Csg/Tbg	228			\$ 61,000.00				\$ -	\$ 61,000.00
D-Mud Logging Unit	229			\$ 61,000.00				\$ -	\$ 61,000.00
D-Rentals-Surface	235			\$ 256,000.00				\$ -	\$ 256,000.00
D-Rentals-Subsrfc	236			\$ 119,000.00				\$ -	\$ 119,000.00
D-Trucking/Forklift/Rig Mob	237			\$ 244,000.00				\$ -	\$ 244,000.00
D-Welding Services	238			\$ 5,000.00				\$ -	\$ 5,000.00
D-Contingency	243			\$ 92,000.00				\$ -	\$ 92,000.00
D-Envrnmtl/Clsd Loop	244			\$ 403,000.00	¢ 040,000,00			\$ -	\$ 403,000.00
C-Wellbore Frac Prep C-Lctn/Pits/Roads	304 305				\$ 212,000.00 \$ 22,000.00			\$ - \$ -	\$ 212,000.00 \$ 22,000.00
C-Lctn/Pits/Roads C-Completion OH	305		 	1	\$ 22,000.00			\$ - \$ -	\$ 22,000.00 \$ 33,000.00
C-Frac Equipment	306				\$ 1,448,000.00			\$ -	\$ 33,000.00
C-Frac Chemicals	308		1	1	\$ 918,000.00			\$ -	\$ 918,000.00
C-Frac Proppant	309				\$ 416,000.00			\$ -	\$ 416,000.00
C-Frac Proppant Transportation	310				\$ 647,000.00			\$ -	\$ 647,000.00
C-Fuel Delivery & Services	311				\$ 93,000.00			\$ -	\$ 93,000.00
C-Water	312				\$ 612,000.00			\$ -	\$ 612,000.00
C-Frac Surface Rentals	315				\$ 577,000.00			\$ -	\$ 577,000.00
C-Contract Labor	325		ļ		\$ 22,000.00			\$ -	\$ 22,000.00
C-Company Sprvsn	326				\$ 22,000.00			\$ -	\$ 22,000.00
C-Contract Sprvsn	327		ļ		\$ 308,000.00			\$ -	\$ 308,000.00
C-Artificial Lift Install	329 331				\$ 99,000.00 \$ 711,000.00			\$ - \$ -	\$ 99,000.00 \$ 711,000.00
C-Perf/Wireline Svc C-Trucking/Forklift/Rig Mob	331				\$ 711,000.00			\$ -	\$ 711,000.00
C-Water Disposal	337				\$ 88,000.00			\$ -	\$ 88,000.00
C-Contingency	343				\$ 165,000.00			\$ -	\$ 165,000.00
C-Dyed Diesel	345				\$ 346,000.00			\$ -	\$ 346,000.00
C-Drillout	346				\$ 660,000.00			\$ -	\$ 660,000.00
TB-Damages/Right of Way	351					\$ 2,000.00		\$ -	\$ 2,000.00
TB-Location/Pits/Roads	353					\$ 45,000.00		\$ -	\$ 45,000.00
TB-Contract Labor	356					\$ 244,000.00		\$ -	\$ 244,000.00
PEQ-Contract Labor	374						\$ 18,000.00 \$ 81.000.00	\$ -	\$ 18,000.00
PEQ-Water Disposal PEQ-HRZ Well Offset Frac	387 391						\$ 81,000.00 \$ 9,000.00		\$ 81,000.00 \$ 9,000.00
Total Intangible Costs	391	\$ -	\$ -	\$ 4,043,000.00	\$ 7,421,000.00	\$ 291,000.00	\$ 108,000.00		\$ 11,863,000.00
Total intaligible costs		Ψ -	Ψ -	Ψ 4,043,000.00	Ψ 7,421,000.00	Ψ 231,000.00	Ψ 100,000.00	Ψ -	Ψ 11,003,000.00
Tangible Costs									
PEQ-Flowback Crews & Equip	392						\$ 49,000.00	\$ -	\$ 49,000.00
D-Surface Casing	401			\$ 32,000.00				\$ -	\$ 32,000.00
D-Intermed Csg	402			\$ 253,000.00				\$ -	\$ 253,000.00
D-Production Casing/Liner	403			\$ 628,000.00				\$ -	\$ 628,000.00
D-Wellhead Equip	405		<u> </u>	\$ 115,000.00				\$ -	\$ 115,000.00
C-Tubing	504			1	\$ 115,000.00			\$ -	\$ 115,000.00
C-Wellhead Equip TB-Tanks	505 510				\$ 62,000.00	\$ 78,000.00		\$ - \$ -	\$ 62,000.00 \$ 78,000.00
TB-Tanks TB-Flowlines/Pipelines	510		 	1		\$ 78,000.00		\$ -	\$ 78,000.00
TB-Htr Trtr/Seprtr	512					\$ 251,000.00		\$ -	\$ 251,000.00
TB-Electrical System/Equipment	513					\$ 251,000.00		\$ -	\$ 154,000.00
C-Pckrs/Anchors/Hgrs	514			İ	\$ 143,000.00	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		\$ -	\$ 143,000.00
ΓB-Couplings/Fittings/Valves	515				,	\$ 261,000.00		\$ -	\$ 261,000.00
TB-Pumps-Surface	521					\$ 35,000.00		\$ -	\$ 35,000.00
TB-Instrumentation/SCADA/POC	522					\$ 26,000.00	-	\$ -	\$ 26,000.00
TB-Miscellaneous	523				ļ	\$ 26,000.00		\$ -	\$ 26,000.00
TB-Meters/Lacts	525					\$ 35,000.00		\$ -	\$ 35,000.00
TB-Flares/Combusters/Emission	526			1	A 55 333 7	\$ 42,000.00		\$ -	\$ 42,000.00
C-Gas Lift/Compression	527 531		 		\$ 55,000.00		\$ 18,000.00	\$ - \$ -	\$ 55,000.00 \$ 18,000.00
PEQ-Wellhead Equipment Total Tangible Costs	531	\$ -	\$ -	\$ 1,028,000.00	\$ 375,000.00	\$ 943,000.00	\$ 18,000.00 \$ 67,000.00		\$ 18,000.00 \$ 2,413,000.00
		•	, ·	,,020,000.00	7 010,000.00		7 01,000.00		2,410,000.00
Total Gross Cost		\$ -	\$ -	\$ 5,071,000.00	\$ 7,796,000.00	\$ 1,234,000.00	\$ 175,000.00	\$ -	\$ 14,276,000.00
Note: The above costs are estima	tes only. A	ctual costs v	vill be billed as	incurred.					
Ву:			_			Date Prepared:	7/19/22		_
						COG Operating LLC			
We approve: Working Interest						By:			_
Company:			_						
Ву:			_						

This AFE is only an estimate. By signing you agree to pay your share of the actual costs incurred.

Printed Name: Title:

Well Name ATTICUS STATE COM 706H
SHL 36-25S-27E: 330 FSL, 777 FWL OR UNIT M
BHL 24-25S-27E: 200 FNL, 330 FWL OR UNIT D
Formation WOLFCAMP
Legal 24, 25, 36, 25S-27E

Prospect ATLAS 2527
State & County NM, EDDY
Objective D&C
Depth 24,400
TVD 9,200

Deprilling Overhead 206 Depaywork Contract 209 Depaywork Contract 200 Depaywork 2010 Depaywork 2010 Depaywork 2010 Depaywork 2011 Depaywork 2012 Depaywork 2012 Depaywork 2012 Depaywork 2012 Depaywork 2013 D	
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COG Operating LLC

This AFE is only an estimate. By signing you agree to pay your share of the actual costs incurred.

We approve: % Working Interest

Printed Name: Title: Date:



Shelley C. Klingler Staff Land Negotiator 600 W. Illinois Ave Midland, TX 79701 O: 432-688-9027 F: 432-221-0470 Shelley.c.klingler@conocophillips.com

August 30, 2022

Via CMRRR No. 91 7199 9991 7038 7628 6706 **Devon Energy Production Company, LP** 333 W. Sheridan Avenue Oklahoma City, OK 73102 Attn: Land Department

Re:

Atticus State Com 701H - 706H (Wolfcamp A) Atticus State Com 521H and 522H (Charkey)

Sections 24, 25 & 36, T25S-R27E Eddy County, New Mexico

Dear Sir or Madam:

Please allow this correspondence to serve as an informational letter regarding the well proposals referenced above previously mailed to your attention. The footages and units will remain the same as previously proposed, but the dedicated horizontal spacing units for each well are being updated to the following:

The dedicated horizontal spacing unit for the Atticus State Com 701H, 702H, and 703H wells will be the E2 of Sections 24, 25, and 36, T25S-R27E, Eddy County, New Mexico.

The dedicated horizontal spacing unit for the Atticus State Com 704H, 705H, and 706H wells will be the W2 of Sections 24, 25, and 36, T25S-R27E, Eddy County, New Mexico.

The dedicated horizontal spacing unit for the Atticus State Com 521H well will be the E2W2 and W2E2 of Sections 24, 25, and 36, T25S-R27E, Eddy County, New Mexico.

The dedicated horizontal spacing unit for the Atticus State Com 522H well will be the W2W2 of Sections 24, 25, and 36, T25S-R27E, Eddy County, New Mexico.

Should you have any questions, please do not hesitate to contact me.

Sincerely,

COG Operating LLC

Shelley C. Klingler Staff Land Negotiator

SCK:bh



Shelley C. Klingler
Staff Land Negotiator
600 W. Illinois Ave
Midland, TX 79701
O: 432-688-9027
F: 432-221-0470
Shelley.c.klingler@conocophillips.com

August 30, 2022

Via CMRRR No. 91 7199 9991 7038 7628 6690 Chevron U.S.A. Inc. 1400 Smith Street Suite 3600 Houston, TX 77002 Attn: Scott Sabrsula

Re:

Atticus State Com 521H and 522H (Charkey)

Sections 24, 25 & 36, T25S-R27E Eddy County, New Mexico

Dear Sir or Madam:

Please allow this correspondence to serve as an informational letter regarding the well proposals referenced above previously mailed to your attention. The footages and units will remain the same as previously proposed, but the dedicated horizontal spacing units for each well are being updated to the following:

The dedicated horizontal spacing unit for the Atticus State Com 521H well will be the E2W2 and W2E2 of Sections 24, 25, and 36, T25S-R27E, Eddy County, New Mexico.

The dedicated horizontal spacing unit for the Atticus State Com 522H well will be the W2W2 of Sections 24, 25, and 36, T25S-R27E, Eddy County, New Mexico.

Should you have any questions, please do not hesitate to contact me.

Sincerely,

COG Operating LLC

Shelley C. Klingler Staff Land Negotiator

SCK:bh



Shelley C. Klingler
Staff Land Negotiator
600 W. Illinois Ave
Midland, TX 79701
O: 432-688-9027
F: 432-221-0470
Shelley.c.klingler@conocophillips.com

August 30, 2022

Via CMRRR No. 91 7199 9991 7038 7628 6683
Read & Stevens, Inc.
P.O. Box 1518
Roswell, NM 88202
Attn: Land Department

Re:

Atticus State Com 701H – 706H (Wolfcamp A) Atticus State Com 521H and 522H (Charkey)

Sections 24, 25 & 36, T25S-R27E Eddy County, New Mexico

Dear Sir or Madam:

Please allow this correspondence to serve as an informational letter regarding the well proposals referenced above previously mailed to your attention. The footages and units will remain the same as previously proposed, but the dedicated horizontal spacing units for each well are being updated to the following:

The dedicated horizontal spacing unit for the Atticus State Com 701H, 702H, and 703H wells will be the E2 of Sections 24, 25, and 36, T25S-R27E, Eddy County, New Mexico.

The dedicated horizontal spacing unit for the Atticus State Com 704H, 705H, and 706H wells will be the W2 of Sections 24, 25, and 36, T25S-R27E, Eddy County, New Mexico.

The dedicated horizontal spacing unit for the Atticus State Com 521H well will be the E2W2 and W2E2 of Sections 24, 25, and 36, T25S-R27E, Eddy County, New Mexico.

The dedicated horizontal spacing unit for the Atticus State Com 522H well will be the W2W2 of Sections 24, 25, and 36, T25S-R27E, Eddy County, New Mexico.

Should you have any questions, please do not hesitate to contact me.

Sincerely,

COG Operating LLC

Shelley C. Klingler Staff Land Negotiator

SCK:bh

Set up Teams meeting to discuss project	Wolfcamp development	8/2/2022	
set up reams meeting to alsouss project	Troncamp development	0,2,2022	
Tooms mosting to go over project (OA /proposals			
Teams meeting to go over project/OA/proposals,		0/2/2022	
emailed proposed OA (certified mail sent later)	Wolfcamp development	8/3/2022	
		_ , _ , _ ,	
Confimation of proposed OA receipt	Wolfcamp development	8/10/2022	
Email and phone call with Devon letting me know			
they prefer I file the pooling as they prefer not to			
sign the proposed OA	Wolfcamp development	8/11/2022	
Emailed revised proposals	Wolfcamp development	8/17/2022	
Emailed to confirm Devon's ask about rescinding			
the first batch of proposals that we revised for the	e		
Wolfcamp	Wolfcamp development	8/18/2022	
In person discussion about Atticus project and			
Devon's interest and pooling. No objection from			
Devon.	Wolfcamp development	9/21/2022	
	· · ·	, ,	
Discussed on phone, confirmed email	Wolfcamp development	8/3/2022	
		3, 3, 2322	
Emailed about proposed OA	Wolfcamp development	8/3/2022	
	Trondamp development	0,0,1011	
Emailed revised proposals	Wolfcamp development	8/17/2022	
Emanea revisea proposais	voncamp development	0/17/2022	
Received a call from Harrison asking for WI/NRI	Wolfcamp development	8/29/2022	
Received a call Holli Harrison asking for Wij Wil			
	BEFORE THE OIL CONSERVATION DIVISION Santa Fe, New Mexico Exhibit No. A5 Submitted by: COG Operating LLC		
	Hearing Date: October 6, 2022		
	Case Nos. 23052-23	053	

Discussion Topic

Wolfcamp development

Wolfcamp development

Wolfcamp development

Wolfcamp development

Date

7/25/2022

7/25/2022

7/26/2022

8/2/2022

Released to Imaging: 10/6/2022 11:05:36 AM

Company

Devon Energy Production Company, LP

Read & Stevens Inc

Read & Stevens Inc

Read & Stevens Inc

Read & Stevens Inc

Contact Name

Peggy Buller

Peggy Buller

Peggy Buller

Verl Brown

David Korell

Lydia Lara

Lvdia Lara

Lydia Lara

Harrison Read

Notes

Landman

Emailed Proposals

Emailed answers to Devon's project questions

Emailed to discuss with Landman over the project

Emailed to discuss with Atticus project with their

Read & Stevens Inc	Lydia Lara	Emailed approximate WI/NRI per their request	Wolfcamp development	8/29/2022
		Emailed about a dispute to their WI based on an		
Read & Stevens Inc	Harrison Read	updated DDOTO.	Wolfcamp development	9/7/2022
		Phone discussion about WI dispute. Read & Stevens		
		is searching their records to confirm/dispute new		
Read & Stevens Inc	Harrison Read	findings.	Wolfcamp development	9/7/2022

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

APPLICATION OF COG OPERATING LLC FOR COMPULSORY POOLING, EDDY COUNTY, NEW MEXICO.

CASE NOS. 23052 & 23053

SELF AFFIRMENT STATEMENT OF JESSICA PONTIFF, GEOLOGIST

- 1. My name is Jessica Pontiff, and I am employed by COG Operating LLC ("COG"), now a wholly-owned subsidiary of ConocoPhillips Company as a petroleum geologist. My responsibilities include the Permian Basin of New Mexico. I have previously testified before the New Mexico Oil Conservation Division as an expert witness in petroleum geology.
- 2. I am familiar with the applications filed by COG in these consolidated matters, and I have conducted a geologic study of the lands in the subject area.
- 3. The initial target interval for COG's proposed Atticus State Com 700 series wells is the upper sands of the Wolfcamp formation underlying Sections 24, 25 and 36, Township 25 South, Range 27 East, NMPM, in Eddy County.
- 4. **Exhibit B-1** is a general location map showing the proposed spacing units in yellow in relation to a nearby landmark, the town of Carlsbad, NM, state and county lines. On the expanded map, the proposed spacing units are also highlighted in yellow with the approximate location and orientation of the Wolfcamp wells noted with red dash lines. Existing producing wells in the target interval are represented by light purple solid lines.
- 5. **Exhibit B-2** is subsea structure map for the top of the Wolfcamp formation. The structure map shows structure for the target formation gently dipping to the east, depicted by a 50' contour interval. The data points controlling the structure map are depicted as small red crosses.

 BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico
Exhibit No. B
Submitted by: COG Operating LLC
Hearing Date: October 6, 2022
Case Nos. 23052-23053

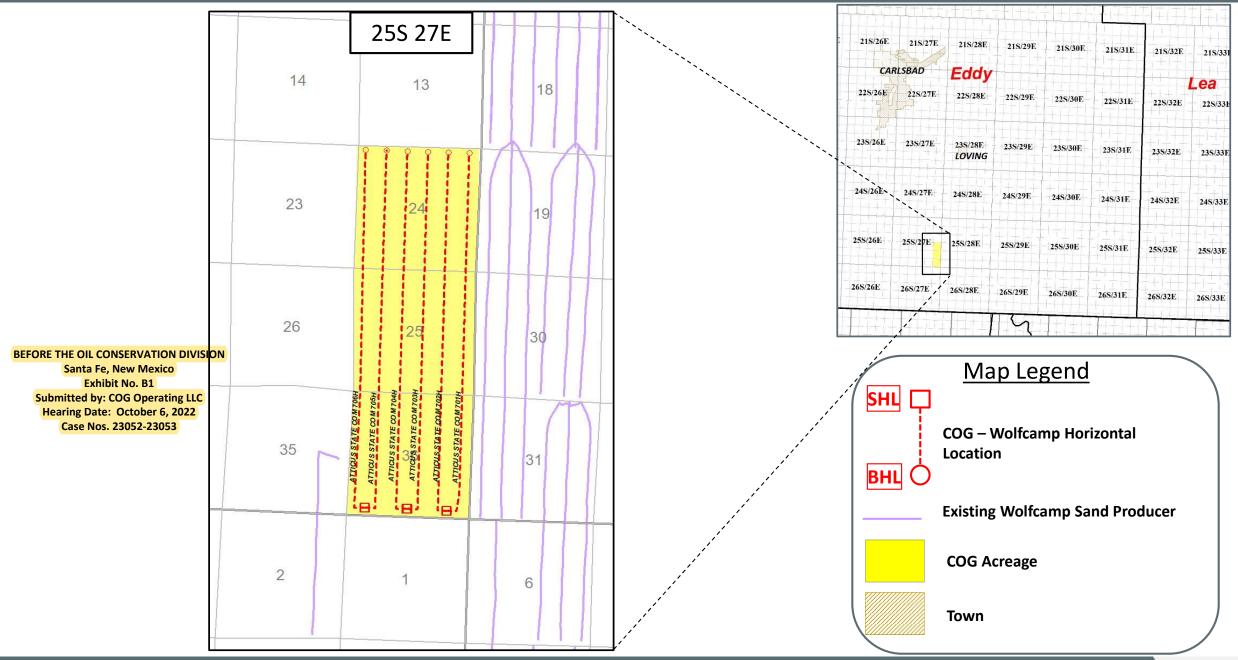
The structure appears consistent across the proposed spacing units, and I do not observe any faults, pinch outs, or other geologic impediments to drilling horizontal wells.

- 6. **Exhibit B-3** identifies the location of three nearby wells penetrating the target interval and shows a line of cross section into the proposed horizontal spacing units from A to A'. I chose these wells to create the cross section because they penetrate the targeted interval, are of good quality, and have been subjected to petrophysical analysis across the targeted interval. In my opinion, these wells are representative of the geology in the subject area.
- 7. **Exhibit B-4** is a stratigraphic cross-section that I prepared using the logs from the representative wells shown on Exhibit B-3. Each well on the cross-section contains gamma ray, resistivity, and porosity logs. The target interval for the proposed wells is marked on the cross section. The cross-section demonstrates that the targeted interval is continuous across the proposed spacing units.
- 8. My geologic study indicates the Wolfcamp formation underlying the subject area is suitable for development by horizontal wells and the acreage comprising the proposed horizontal spacing units will be productive and is expected to contribute proportionately to the production from the wells.
- 9. **Exhibit B-3** also shows the existing Wolfcamp development in this area as light purple solid lines. In my opinion, the standup orientation of the proposed wells is appropriate to properly develop the subject acreage because of expected similar rock properties throughout and equivalent orientation with offset producers to the east and west.
- 10. In my opinion, approval of these applications is in the best interest of conservation, the prevention of waste, and protection of correlative rights.

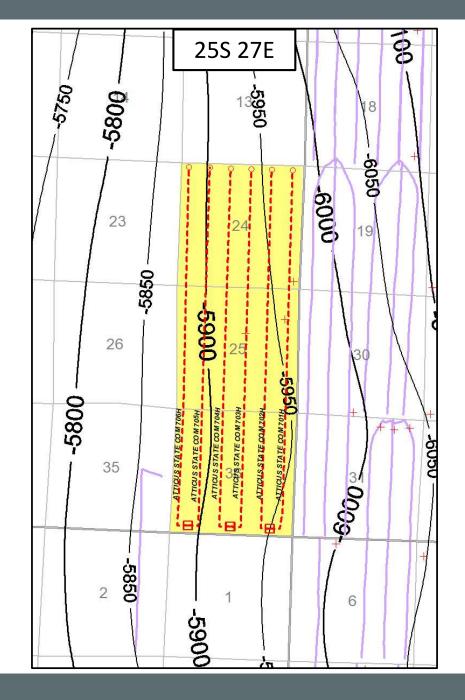
- Exhibits B-1 through B-4 were either prepared by me or compiled under my 11. direction and supervision.
- 12. I affirm under penalty of perjury under the laws of the State of New Mexico that the foregoing statements are true and correct. I understand that this self-affirmed statement will be used as written testimony in this case. This statement is made on the date next to my signature below.

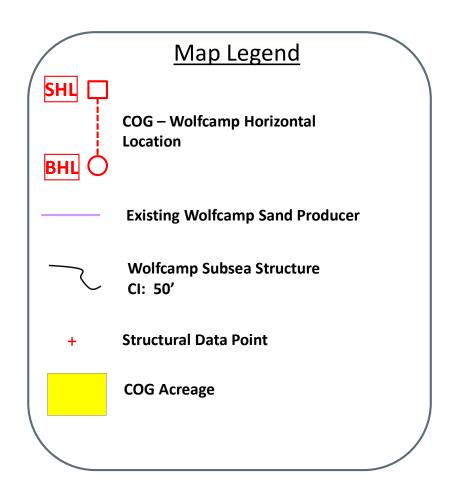
10.4.22 Date

Atticus State Com 701H, 702H, 703H, 704H, 705H, 706H Wolfcamp(WFMP): Location Map



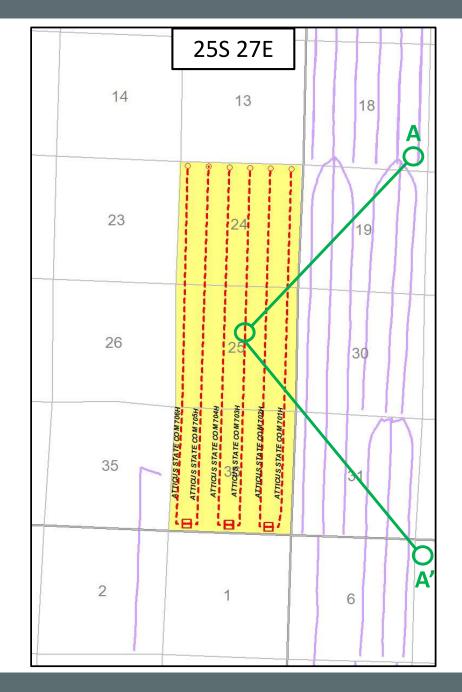
Atticus State Com 701H, 702H, 703H, 704H, 705H and 706H: Top WFMP – Structure Map

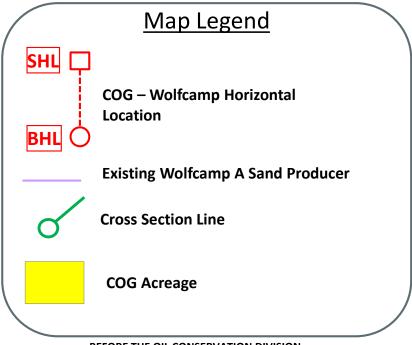




BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. B2
Submitted by: COG Operating LLC
Hearing Date: October 6, 2022
Case Nos. 23052-23053

Atticus State Com 701H, 702H, 703H, 704H, 705H and 706H WFMP: Cross Section Map



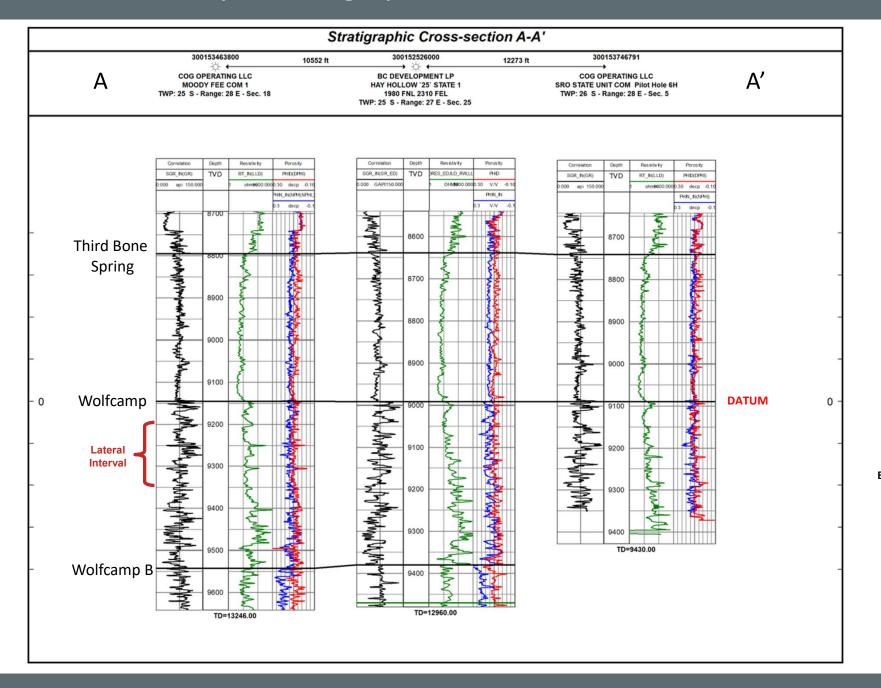


BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. B3
Submitted by: COG Operating LLC
Hearing Date: October 6, 2022
Case Nos. 23052-23053

Received by OCD: 10/4/2022 2:19:42 PM

Page 46 of 51

Atticus State Com: Wolfcamp – Stratigraphic Cross Section A – A'



BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. B4
Submitted by: COG Operating LLC
Hearing Date: October 6, 2022
Case Nos. 23052-23053

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

APPLICATIONS OF COG OPERATING LLC FOR COMPULSORY POOLING, EDDY COUNTY, NEW MEXICO.

CASE NOS. 23052 & 23053

<u>AFFIDAVIT</u>

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

Michael H. Feldewert, attorney in fact and authorized representative of the Applicant herein, being first duly sworn, upon oath, states

- 1. The above-referenced applications and notice of the hearing on these applications were sent by certified mail to the affected parties on the date set forth in the letter attached hereto.
- 2. The spreadsheet attached hereto contains the names of the parties to whom notice was provided.
- 3. The spreadsheet attached hereto contains the information provided by the United States Postal Service on the status of the delivery of this notice as of September 28, 2022.

Michael H. Feldewert

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. C
Submitted by: COG Operating LLC
Hearing Date: October 6, 2022

Case Nos. 23052-23053

SUBSCRIBED AND SWORN to before me this 3rd day of October, 2022 by Michael H. Feldewert.

My Commission Expires:

Nov. 12,2023

STATE OF NEW MEXICO
NOTARY PUBLIC
CARLA GARCIA
COMMISSION # 1127528
COMMISSION EXPIRES 11/12/2023

Notary Public



Michael H. Feldewert Partner Phone (505) 988-4421 mfeldewert@hollandhart.com

September 16, 2022

VIA CERTIFIED MAIL CERTIFIED RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re: Application of COG Operating, LLC for Compulsory Pooling, Eddy County,

New Mexico: Atticus State Com 701H, 702H and 703H wells

Ladies & Gentlemen:

This letter is to advise you that COG Operating LLC has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on October 6, 2022, and the status of the hearing can be monitored through the Division's website at http://www.emnrd.state.nm.us/ocd/.

Due to the remodeling of the state building where the New Mexico Oil Conservation Division is located, hearings will be conducted remotely beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the OCD Hearings website: https://www.emnrd.nm.gov/ocd/hearing-info/.

You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date. Parties appearing in cases are required to file a Pre-hearing Statement four business days in advance of a scheduled hearing that complies with the provisions of NMAC 19.15.4.13.B.

If you have any questions about this matter, please contact Shelley Klingler at (432) 688-9027 or at Shelley.C.Klinger@conocophillips.com.

Sincerely,

Michael H. Feldewert

ATTORNEY FOR COG OPERATING, LLC

T 505.988.4421 F 505.983.6043 110 North Guadalupe, Suite 1, Santa Fe, NM 87501-1849 Mail to: P.O. Box 2208, Santa Fe, NM 87504-2208 www.hollandhart.com



Michael H. Feldewert Partner Phone (505) 988-4421 mfeldewert@hollandhart.com

September 16, 2022

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

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re: Application of COG Operating, LLC for Compulsory Pooling, Eddy County,

New Mexico: Atticus State Com 704H, 705H and 706H wells

Ladies & Gentlemen:

This letter is to advise you that COG Operating LLC has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on October 6, 2022, and the status of the hearing can be monitored through the Division's website at http://www.emnrd.state.nm.us/ocd/.

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You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date. Parties appearing in cases are required to file a Pre-hearing Statement four business days in advance of a scheduled hearing that complies with the provisions of NMAC 19.15.4.13.B.

If you have any questions about this matter, please contact Shelley Klingler at (432) 688-9027 or at Shelley.C.Klinger@conocophillips.com.

Sincerely,

Michael H. Feldewert

ATTORNEY FOR COG OPERATING, LLC

T 505.988.4421 F 505.983.6043 110 North Guadalupe, Suite 1, Santa Fe, NM 87501-1849 Mail to: P.O. Box 2208, Santa Fe, NM 87504-2208 www.hollandhart.com

Alaska Colorado Montana Nevada New Mexico Utah Washington, D.C. Wyoming

COG - Atticus 521H-522H, 701H-706H Case Nos 23050-2305 Postal Delivery Reports

TrackingNo	ToName	DeliveryAddress	City	State	Zip	USPS_Status
						Your item was picked up at a postal facility at 8:13 am on
9414811898765819916805	Devon Energy Production Company , L.P.	333 W Sheridan Ave	Oklahoma City	OK	73102-5010	September 19, 2022 in OKLAHOMA CITY, OK 73102.
						Your item was picked up at a postal facility at 2:38 pm on
9414811898765819916898	Chevron U.S.A. Inc. attn Land Department	6301 Deauville	Midland	TX	79706-2964	September 21, 2022 in MIDLAND, TX 79701.
						Your item was picked up at the post office at 9:18 am on
9414811898765819916874	Read & Stevens, Inc.	PO Box 1518	Roswell	NM	88202-1518	September 21, 2022 in ROSWELL, NM 88201.