# BEFORE THE OIL CONSERVATION DIVISION EXAMINER HEARING APRIL 28, 2020

**CASE No. 21180** 

PARALLEL 193402 #1H

#### Lea County, New Mexico



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

APPLICATION OF CATENA RESOURCES OPERATING, LLC FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

**CASE NO. 21180** 

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#### **COMPULSORY POOLING APPLICATION CHECKLIST**

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

Case: 21180	APPLICANT'S RESPONSE
Date: April 30, 2020	
Applicant	Catena Resources Operating, LLC
Designated Operator & OGRID (affiliation if applicable)	328449
Applicant's Counsel:	Holland & Hart LLP
Case Title:	Application of Catena Resources Operating, LLC for Compulsory Pooling, Lea County, New Mexico
Entries of Appearance/Intervenors:	n/a
Well Family	Parallel 193402 No. 1H Well
Formation/Pool	
Formation Name(s) or Vertical Extent:	Wolfcamp
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	Wolfcamp formation
Pool Name and Pool Code:	970 Airstrip; Wolfcamp
Well Location Setback Rules:	Statewide horizontal well rules
Spacing Unit Size:	320 acres, more or less
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	320 acres, more or less
Building Blocks:	quarter-quarter sections
Orientation:	South/North
Description: TRS/County	W/2 W/2 of Section 2, Township 19 South, Range 34 East and W/2 W/2 of Section 35 of Township 18 South, Range 34 East, NMPM,
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	No
Applicant's Ownership in Each Tract	Yes
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	Add wells as needed  BEFORE THE OIL CONSERVATION DIVISI  Santa Fe, New Mexico  Exhibit No. A

Submitted by: Catena Resources Operating, LLC Hearing Date: April 30, 2020

Case No. 21180

Well #1	Parallel 193402 No. 1H Well (API 30-025-46715)
	SHL: 190' from South Line & 330' from West Line Unit M of Section 2, Township 19 South, Range 34 East, NMPM, Lea County BHL: 1319' from North Line & 330' from West Line Unit D of Section 35, Township 18 South, Range 34 East, NMPM, Lea County
	Completion target: Wolfcamp
	Well Orientation: South/North
	Completion location expected to be standard
Horizontal Well First and Last Take Points	See Exhibit C-1
Completion Target (Formation, TVD and MD)	See Exhibit C-3
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	\$8,000
Production Supervision/Month \$	\$800
Justification for Supervision Costs	Exhibit C, Para.
Requested Risk Charge	Exhibit B
Notice of Hearing	
Proposed Notice of Hearing	Exhibit B
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit E
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit F
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit C-2
Tract List (including lease numbers and owners)	Exhibit C-2
Pooled Parties (including ownership type)	Exhibit C-2
Unlocatable Parties to be Pooled	None
Ownership Depth Severance (including percentage above & below)	None
Joinder	
Sample Copy of Proposal Letter	Exhibit C-3
List of Interest Owners (ie Exhibit A of JOA)	Exhibit C-2
Chronology of Contact with Non-Joined Working Interests	Exhibit C-4
Overhead Rates In Proposal Letter	N/A
	Exhibit C

Cost Estimate to Equip Well	Exhibit C-3
Cost Estimate for Production Facilities	Exhibit C-3
Geology	
Summary (including special considerations)	Exhibit D
Spacing Unit Schematic	Exhibti D-1
Gunbarrel/Lateral Trajectory Schematic	N/A
Well Orientation (with rationale)	Exhibit D
Target Formation	Exhibit D, D-1, D-2, D-3
HSU Cross Section	Exhibit D, D-3
Depth Severance Discussion	N/A
Forms, Figures and Tables	
C-102	Exhibit C-1
Tracts	Exhibit C-2
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit C-2
General Location Map (including basin)	Exhibit D-1
Well Bore Location Map	Exhibit D-1
Structure Contour Map - Subsea Depth	Exhibit D-2
Cross Section Location Map (including wells)	Exhibits D-1, D-2
Cross Section (including Landing Zone)	Exhibit D-3
Additional Information	
Special Provisions/Stipulations	None
CERTIFICATION: I hereby certify that the information pro	ovided in this checklist is complete and accurate.
Printed Name (Attorney or Party Representative):	Julia Broggi ~
Signed Name (Attorney or Party Representative):	Tulere 3m.
Date:	28-Apr-20

V

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

APPLICATION OF CATENA RESOURCES OPERATING, LLC FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

<b>CASE</b>	NO.			

#### APPLICATION

Catena Resources Operating, LLC ("Applicant") (OGRID No. 328449), 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 324.13-acre, more or less, horizontal spacing unit comprised of the W/2 W/2 of Section 35, Township 18 South, Range 34 East, and the W/2 W/2 of Section 2, Township 19 South, Range 34 East, NMPM, Lea County, New Mexico. In support Applicant 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 spacing unit to the proposed **Parallel 193402 #1H** Well to be horizontally drilled from a surface location in the SW/4 SW/4 (Unit M) of Section 2 to a bottom hole location in the NW/4 NW/4 (Unit D) of Section 35.
- 3. The completed interval for the proposed well will comply with the statewide setback requirements for horizontal oil wells.
- 4. Applicant has sought and been unable to obtain voluntary agreement for the development of these lands from all interest owners in the subject spacing unit.

- 5. The pooling of interests will avoid the drilling of unnecessary wells, will prevent waste, and will protect correlative rights.
- 6. In order to permit Applicant to obtain its 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 well and horizontal spacing unit.

WHEREFORE, Applicant requests that this application be set for hearing before an Examiner of the Oil Conservation Division on April 2, 2020, and, after notice and hearing as required by law, the Division enter an order:

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

Respectfully submitted,

**HOLLAND & HART LLP** 

By:

Michael H. Feldewert
Adam G. Rankin
Julia Broggi
Kaitlyn A. Luck
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ATTORNEYS FOR CATENA RESOURCES OPERATING, LLC

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

APPLICATION OF CATENA RESOURCES OPERATING, LLC FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

**CASE NO. 21180** 

#### AFFIDAVIT OF ROBERT SWANN IN SUPPORT OF CASE NO. 21180

Robert Swann, of lawful age and being first duly sworn, declares as follows:

- My name is Robert Swann. I am a Land Manager with Catena Resources Operating,
   LLC ("Catena").
- 2. I have previously testified before the New Mexico Oil Conservation Division as an expert witness in petroleum land matters. My credentials as a petroleum land manager have been accepted by the Division and made a matter of record.
- 3. I am familiar with the application filed by Catena in this case, and I am familiar with the status of the lands in the subject area.
- 4. None of the uncommitted parties has indicated opposition to this pooling application, and therefore I do not expect any opposition at the hearing
- 5. Catena seeks an order pooling all uncommitted interests in the Wolfcamp formation underlying a standard 324.13-acre, more or less, horizontal spacing unit comprised of the W/2 W/2 of Section 35, Township 18 South, Range 34 East and the W/2 W/2 of Section 2 Township 19 South, Range 34 East, NMPM, Lea County, New Mexico.
- 6. Catena proposes to dedicate the above horizontal spacing unit to the following **Parallel 193402 No. 1H Well** (API 30-025-46715), to be horizontally drilled from a surface

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BEFORE THE OIL CONSERVATION DIVISION

location in the SW/4 SW/4 (Unit M) of Section 2 to a bottom hole location in the NW/4 NW/4 (Unit D) of Section 35.

- 7. Catena has filed a Form C-102 with the Division for the proposed Parallel 193402 No. 1H Well, which is attached hereto as **Catena Exhibit C-1**. The pool code for the proposed well is 970 (Airstrip; Wolfcamp).
- 8. The completed interval for the proposed Parallel 193402 No. 1H Well will comply with the statewide setback requirements for oil wells.
  - 9. There are no depth severances in the Wolfcamp formation.
- 10. Catena Exhibit C-2 is an exhibit that I prepared that identifies the tracts of land comprising the proposed spacing unit. This spacing unit includes state land only. Catena Exhibit C-2 also identifies the interest owners and their ownership interest in the spacing unit.
- 11. Catena seeks to pool the following working interest owners: COG Operating LLC and Concho Oil and Gas LLC.
- 12. Catena sent well proposal letters, along with corresponding AFEs, to the working interest owners. The costs reflected in the AFE are consistent with what other operators have incurred for drilling similar horizontal wells in the area. A copy of the well proposal letter, along with the AFE, is attached hereto as **Catena Exhibit C-3**.
- 13. Catena also seeks to pool the overriding royalty interest owners identified on Catena Exhibit C-2.
  - 14. There are no unleased mineral interests in the subject acreage.
- 15. Catena has been able to locate contact information for all parties it seeks to pool and has undertaken good faith efforts to reach an agreement with the uncommitted interest owners.

A chronology of Catena's contacts with the working interest owners is seeking to pool is attached hereto as Catena Exhibit C-4.

- 16. If Catena reaches an agreement with any of the proposed pool parties before the Division enters any order, I will let the Division know that Catena is no longer seeking to pool that party.
- 17. I provided the law firm of Holland & Hart LLP a list of names and addresses for the uncommitted interest owners shown. In compiling these addresses, Catena conducted a diligent search of all public records in the county where the proposed wells are located and of phone directories, including computer searches. All interest owners were locatable.
- 18. Catena seeks approval of overhead and administrative costs at \$8,000/month while drilling and \$800/month while producing. These costs are consistent with what Catena and other operators are charging in this area for these types of wells. Catena respectfully requests that these administrative and overhead costs be incorporated into any order entered by the Division in these cases.
- 19. **Catena Exhibits C-1** through **C-4** were either prepared by me or compiled under my direction and supervision.

ROBERT SWANN

STATE OF TEXAS	)
COUNTY OF BEXAP	) )
SUBSCRIBED and SWORN t	to before me this 277 day of April 2020 by Robert
Swann.	
CAITLIN MARY HART Notary Public, State of Texas Comm. Expires 12-05-2023	NOTARY PUBLIC

My Commission Expires:

12/05/2023

14543029\_1

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

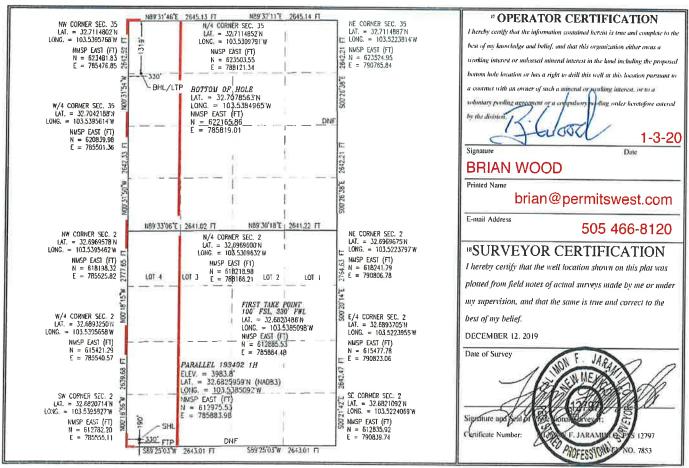
☐ AMENDED REPORT

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

			970		AIF	RSTRIP; WO	DLFCAMP	
de				5 Property	Name			" Well Number
				PARALLEI	<b>193402</b>			1H
				" Operator	Name			* Elevation
		(	CATENA	RESOURCES	OPERATING,	LLC		3983.8
				<sup>™</sup> Surface	Location			
Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
2	19 S	34 E		190	SOUTH	330	WEST	LEA
		Section Township	Section Township Range	CATENA  Section Township Range Lot Idn	Section Township Range Lot Idn Feet from the	Section Township Range Lot Idn Feet from the North/South line	Section Township Range Lot Idn Feet from the North/South line Feet from the	Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line

UL or lot no. Section Township Lot Idn Range Feet from the North/South line Feet from the East/West line County D 35 18 S 34 E 1319 NORTH 330 WEST **LEA** 12 Dedicated Acres Dalat or Infill Consolidation Code 5 Order No. 324.13 С

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



BEFORE THE OIL CONSERVATION DIVISION

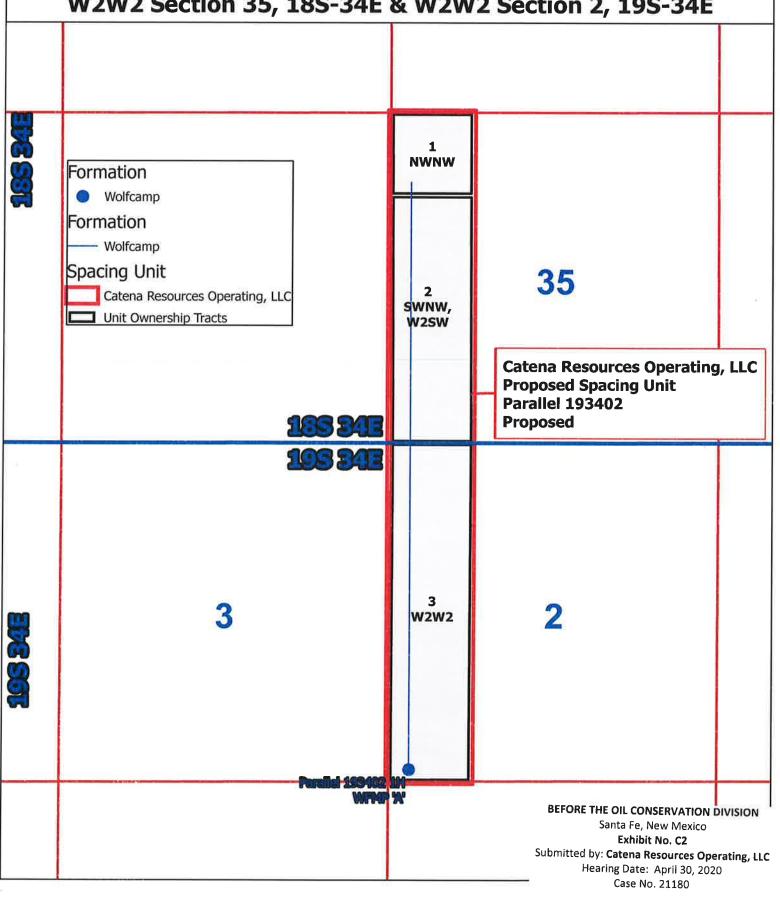
Santa Fe, New Mexico

Exhibit No. C1

Submitted by: Catena Resources Operating, LLC Hearing Date: April 30, 2020

Case No. 21180

#### Compulsory Pooling, Lea County, New Mexico Catena Resources Operating, LLC Parallel 193402 1H Well 320 Acre Spacing Unit W2W2 Section 35, 18S-34E & W2W2 Section 2, 19S-34E



Tract 1	
40.0 acres of land, more or less, being the Northwest Quarter of the Northwest Last, Lea County, No	ew Mexico
Owner	Interest
Catena Resources Operating, LLC	100.00%
Totals	100.00%
Tract 2	
120.0 acres of land, more or less, being the Southwest Quarter of the Nor Section 35, Township 18 South, Range 34	
Owner	Interest
Catena Resources Operating, LLC	43.21%
T. H. McElvain Oil & Gas LLLP	14.40%
COG Operating LLC	40.26%
Concho Oil & Gas LLC	2.12%
Totals	100.00%
Tract 3	
164.13 acres of land, more or less, being Lot 4, the Southwest Quarter of Quarter of Section 2, Township 19 South, Rang	
Owner	Interest

Overriding Royalty Interests Seeking to Compulsory Pool	
Nestegg Energy Corporation	
COG Operating LLC	
Concho Oil & Gas LLC	

75.00%

25.00%

100.00%

Catena Resources Operating, LLC

T. H. McElvain Oil & Gas LLLP

Totals

<sup>\*\*</sup> Catena is seeking to pool the parties highlighted in Orange.



January 7, 2020

Via Certified Mail

COG Operating 600 W Illinois Ave Midland, TX 79701 432-683-7443

Re:

Parallel 193402 1H Well Proposal

**Wolfcamp Formation** 

W2W2 of Section 2 T19S, R34E, and Section 35, T18S, R34E

Lea County, New Mexico

Ladies and Gentlemen,

Catena Resources Operating, LLC ("Catena") as Operator hereby proposes to drill the following well to a depth sufficient to test the Wolfcamp formation:

Well Name	SHL	BHL	Spacing Unit	Target TVD	Estimated TMD
Parallel 193402 1H	FSL: 190' Sec. 2 FWL: 330' Sec. 2	FNL: 100' Sec. 35 FWL: 330' Sec. 35	W2W2 of Section 2 T19S, R34E, and Section 35, T18S,	11,058'	21,596'
			R34E		

These proposed locations and target depths are subject to change depending on any surface or subsurface concerns encountered.

Regarding the above, enclosed for your further handling are our AFE's dated November 16, 2019 for the proposed wells. The AFE's represent an estimate of the costs that will be incurred to drill and complete the wells, but those electing to participate in the wells are responsible for their proportionate share of the actual costs incurred. In the event you elect to participate in the proposed wells, please execute the enclosed AFE's and return to me. We are happy to furnish you with a proposed Joint Operating Agreement upon request, should you be inclined to elect to participate. Please respond within 30 days of receiving this notice. If you do not wish to participate, Catena proposes to acquire your interest via term assignment subject to due diligence and title verification satisfactory to Catena.

Should you have any questions regarding the above, please email me at <a href="mailto:rswann@catenares.com">rswann@catenares.com</a> or call me at (210) 775-6993.

Sincerely,

Catena Resources Operating, LLC

Robert Swann

Land Manager

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico

Exhibit No. C3

Submitted by: Catena Resources Operating, LLC

Hearing Date: April 30, 2020

Case No. 21180



WELL COST ESTIMATE



Parallel 193402 1H

2.0 sec. lateral, Lea County, NM Wolfcamp

DATE
START DATE
COMPLETE DATE
ORIGINAL:
SUPPLEMENT:

16-Nov-19

	Wolfcamp			SUPPLEMENT:			
INTANGELE COSTS	ACCT	DRILLING-	ACCTCODE	COMPLETION - 320XX	ACCT	FACILITIES -	TOTAL
	CODE	310XX			CODE	330XX	
egal Fees / Title Opinion Surveys / Staking / Permits / Bonds / Regulatory	31001 31002	\$50,000 \$25,700	32001 32002	\$0	33001	\$0 \$0	\$50
OW / Surface Damages	31002	\$60,000	32002	\$0	33002	50	\$25 \$60
oads & Location / Reserve Pit - Construction	31004	\$90,000	32004	\$0	-11	\$0	\$90
onds & Location / Reserve Pit - Reclaimation	31005		32005	\$0		\$0	
sc Pond	31006	DOTES!	32006	\$0		\$0	
te Guard suse / Rathole / Conductor	31007 31008	\$19,000	32007	\$0 \$0		\$0	\$19
obilization / Demobilization	31009	\$230.675	32008	\$0		\$0	\$230
Ting - Daywork	31010	\$574,648	Installing	\$0		30	\$574
Fing - Footage	31011			\$0		\$0	
lling - Turnkey	31012			SO SO		\$0	
mpletion / Snubbing / Workover Unit iller House / Communications	31013 31014	040 570	32009	\$40,000		\$0	\$40
mer nouse / Communications	31014	\$43,572 \$103,000	32010 32011	\$24,200 \$0		\$0 \$0	\$67 \$103
ectional Equipment / Gyro Surveys	31016	\$266,326	32012	\$0		\$0	\$284
winhole Tool / Stabilization Rental	31017	\$57,075	32013	\$34,000		\$0	\$91
ud / Chemicala	31018	\$222,558	32014	\$601,500		\$0	\$824
el / Power	31019	\$116,482	32015	\$471,800		\$0	\$588
nter Supply Well, equipment	31020 31021	\$3,603	32016 32017	\$0	-#	\$0	
ster / Water Hauling Saite Water & Cuttings Disposal	31021	\$284,770	32017	\$816,550 \$30,500		\$0 \$0	\$816 \$315
ansportation / Hauling	31023	\$31,000	32019	\$30,300	33009	\$15,000	\$46
pection / Tubular Testing	31024	\$101,000	32020	\$0		\$0	\$101
ydown Machine / Casing Crew / Tongs	31025	\$62,190	32021	\$0		\$0	\$62
menting, Roat Equipment & Services	31026	\$65,072	32022	\$0		\$0	\$65
d Logging	31027	\$35,343		\$0		\$0	\$35
gging - Open Hole	31028		32023	\$0		\$0	42-
gging - Cased Hole ring & Analysis, Drill Stem Test	31029 31030	A PART OF STREET	32024	\$13,000 \$0	-	\$0	\$13
ring & Analysis, Driff Stem lest rforating	31030		32025	\$421,200		\$0	\$421
refine / Slickline Services	31032	LEIF RELL	32026	\$15,000		50	\$15
Lipment Rental	31033	\$163,809	32027	\$236,000		\$0	\$396
imping Services/Rental	31034		32028	\$21,000		\$0	
idizing & Fracturing	31035		32029	\$2,479,000		\$0	\$2,479
il Tubing Unit	31036		32030	\$120,000		\$0	\$120
w Testing, Swabbing	31037		32031	\$95,875		50	\$95
shing / Sidetrack Services  pple Up / BOPE Testing	31038 31039	\$6,400	32032	\$0 \$23,000	-4	\$0 \$0	***
rerhead	31040	\$8,000	32033 32034	\$19,500	-#	50	\$29 \$27
ellaite Consulting Services/Supervision	31041	\$170,628	32035	\$153,950	33003	\$20,000	\$344
ngineering / Geological / Lab Service: Tracers and diagnostics	31042	\$25,000	32036	\$35,500		\$15,000	\$75
oustabout / Contract Labor	31043	\$8,480	32037	\$0	33004	\$160,000	\$168
elding Services	31044	\$5,120	32038	\$0		\$0	\$5
surance	31045	\$10,000	32039	\$0	33005	\$0	\$10
scellaneous	31046		32040	\$0	33006	\$0	
LA Coets fety / E-MSS	31047 31048		32041 32042	\$0 \$6,610	33007	\$0 \$0	\$6
5% Confingency (8% Taxes on Casing included in casing cost)	31049	\$141,973	32043	\$311,200	33001	\$10,500	\$463
ON-Op Drilling Intangible	31050	Ter-(_2-21	32044	\$0		\$0	
ipeline Installation / Interconnect	31051	RANGE STORY	32045	\$0	33008	\$0	
TOTAL INTANGIBLE COSTS	1	\$2,981,422		\$5,969,385		\$220,500	\$9,171
	ACCT			T F	ACCT	FACILITIES -	
TANGELE COSTS	CODE	DRILLING-311XX	ACCT CODE	COMPLETION - 321XX	CODE	331XX	TOTAL
Size Feet \$AR							
onductor	31101						
urface Casing 13 3/6"   st Intermediate Casing / Liner 9 5/8"	31102 31103	\$68,600 \$113,200			KUS LATER		\$68 \$113
nd Intermediate Casing / Liner	31184	\$113,200		-	F1 59500		
roduction Casing / Liner 5 1/2" 21,500 \$18.00			32101	\$430,000			\$430
nsing Tie Back		THE PERSON	32102				
ner Hanger Assembly	10000		32103				
thing 2.875 10,500 \$ 5.85	1		32104	\$61.425			\$61
asing Equipment - OHMS / Etc.	100000		32105	\$31,200	1		\$31
elihead Equipment	31105	\$52,000	32106	\$27,000			\$79
umping Unit / Prime Mover / Base ods / Pony Rods / Sinker Bars			32107 32108	\$0 \$0	33101 33102	\$0	
ods / Pony Rods / Sinker Bars rtificial Lift Other - Gas Lift	-/4/4		32108 32109	\$14,000	33102	50	\$14
rancial List Other - Gas List fellhead Equipment Completions - Production Tree	1			314,000			- 414
			32110	\$42,000	33104	\$0	\$42
10	11 1000		32110 32111	\$42,000 \$0			7/2010
inks / Tank Steps / Stairs				\$0 \$0	33104 33105 33106	\$0	\$60
anks / Tank Steps / Stairs as Treating / Dehydration Equipment eparation Equipment, Heater Treater			32111 32112 32113	\$0 \$0 \$0	33104 33105 33108 33167	\$6,000 \$86,000 \$0 \$68,290	\$60
ınks / Tank Steps / Stairs ıs Treating / Dehydration Equipment eparation Equipment, Heater Treater aface Pumpa			32111 32112 32113 32114	\$0 \$0 \$0 \$0	33104 33105 33108 33107 33108	\$0 \$66,000 \$0 \$68,200 \$3,000	\$60
inks / Tank Steps / Stairs is Treating / Dehydration Equipment eparation Equipment, Heater Treater aface Pumpa ters			32111 32112 32113 32114 32115	\$0 \$0 \$0 \$0 \$0 \$0	33104 33105 33108 33107 33108 33109	\$0 \$66,000 \$0 \$68,200 \$3,000 \$0	\$60
nks / Tank Steps / Stair's is Treating / Dehydration Equipment sparation Equipment, Heater Treater afface Pumpa ters aldings			32111 32112 32113 32114 32115 32116	\$0 \$0 \$0 \$0 \$0 \$0 \$0	33104 33105 33108 33107 33108 33109 33110	\$6,000 \$6,000 \$0 \$68,200 \$3,000 \$0 \$0	\$60 \$61 \$.
nks / Tank Steps / Stairs is Treating / Dehydration Equipment sparation Equipment, Heater Treater ifface Pumpa ters illdings seconnect Piping / Manifolds / Headers			32111 32112 32113 32114 32115 32116 32117	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	33104 33105 33108 33107 33108 33109 33110 33111	\$0 \$65,000 \$0 \$68,200 \$3,000 \$0 \$0 \$60,000	\$61 \$61 \$.
nks / Tank Steps / Stair's In Treating / Dehydration Equipment paration Equipment, Heater Treater Inface Pumpa ters sittings serconnect Piping / Manifolds / Headers powlines / Connections / Valves			32111 32112 32113 32114 32115 32116	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	33104 33105 33108 33107 33108 33109 33110	\$0 \$86,000 \$0 \$68,200 \$3,000 \$0 \$0 \$60,000 \$46,960	\$60
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#### **CHRONOLOGY OF CONTACT WITH NON-JOINED WORKING INTERESTS**

- 1/7/2020 Proposal Letter Sent to COG/Concho
- 1/30/2020 Email from Stuart Dirks Requesting to send Title Opinions
- 1/30/2020 Robert Swann emailed Stuart Dirks, stating that we will send Title Opinions when we receive them
- 1/30/2020 Robert Swann and Stuart Dirks Phone call explaining ownership in lands
- 1/30/2020 Robert Swann send email with ownership numbers COG Agreed with the working interest
- 2/4/2020 Robert Swann and Stuart Dirks Phone Call Getting update on whether COG will participate or not
- 2/12/2020 Robert Swann email to Stuart Dirks Sending requested title opinions
- 2/25/2020 Robert Swann email to Stuart about an update
- 2/25/2020 Stuart Dirks email to Robert Swann Stating that the team was still evaluating
- 4/1/2020 Stuart Dirks email to Robert Swann requesting estimated spud dates
- 4/1/2020 Robert Swann email to Stuart Dirks responding to estimated spud dates
- 4/8/2020 Phone call with Jason Edwards (Catena) and Grant Bohls (COG) Reviewing terms on a Term assignment.
- 4/20/2020 Stuart Dirks email to Robert Swann Asking if Catena operates any wells which COG are partners?
- 4/20/2020 Robert Swann email to Stuart Dirks Responding to Catena operated wells
- 4/23/2020 Robert Swann and Jason Edwards email to Grant Bohls Asking for an update on the term assignment
- 4/27/2020 Robert Swann and Jason Edwards email to Grant Bohls Asking for an update on the term assignment
- 4/27/2020 Grant Bohls response email to Robert Swann and Jason Edwards COG is running the term assignment up the approval chain.

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

**APPLICATION OF CATENA RESOURCES** OPERATING, LLC FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

**CASE NO. 21180** 

AFFIDAVIT OF VINCE SMITH IN SUPPORT OF CASE NO. 21180

Vince Smith, of lawful age and being first duly sworn, declares as follows:

My name is Vince Smith. I work for Catena Resources Operating, LLC ("Catena") 1.

as a Geologist.

I have previously testified before the New Mexico Oil Conservation Division as an 2.

expert witness in petroleum geology. My credentials as a petroleum geologist have been accepted

by the Division and made a matter of record.

3. I am familiar with the application filed by Catena in this case, and I have

conducted a geologic study of the lands in the subject area.

Catena is targeting the Wolfcamp formation. 4.

5. Catena Exhibit D-1 is a locator map. It shows Catena's acreage in pink and the

path of the proposed wellbore for the Parallel 193402 State No. 1H Well, with the surface hole

marked with a red square and bottom hole locations marked with a red circle.

6. Catena Exhibit D-2 is a subsea structure map that I prepared off the top of the

Wolfcamp formation. The contour interval is 25 feet. The structure map shows the Wolfcamp

dipping gently to the south. The structure appears consistent across the proposed wellbore path.

Based on this subsea structure map, I do not observe any faulting, pinchouts, or other geologic

impediments to developing the targeted interval with horizontal wells in this area.

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico

Case No. 21180

- 7. Both Catena Exhibits D-1 and D-2 show a cross-section line in red indicating four wells penetrating the Wolfcamp formation that I used to construct a stratigraphic cross-section from A to A'. I consider these wells to be representative of the geology in the area.
- 8. Catena Exhibit No. D-3 is a stratigraphic cross-section that I prepared displaying open-hole logs run over the Wolfcamp from the four representative wells denoted from A to A'. The first well on the left has the digital gamma ray in track one and the sonic log in track two. For the other three wells in the cross-section, the exhibit shows the following logs: gamma ray, resistivity, and porosity. The proposed target interval is labeled and marked. The logs in the cross-section demonstrate that the target interval, within the Wolfcamp is consistent in thickness, across the entire spacing unit.
- 9. In my opinion, the stand-up orientation of the proposed well is the preferred orientation for horizontal well development in this area and is appropriate to efficiently and effectively develop the subject acreage.
- 10. Based on my geologic study, the Wolfcamp formation underlying the subject area is suitable for development by horizontal wells and the acreage comprising the proposed spacing unit will contribute more-or-less equally to the production from the wellbores.
- 11. In my opinion, the granting of Catena's application will be in the best interest of conservation, the prevention of waste, and protection of correlative rights.
- 12. Catena Exhibit Nos. D-1 through D-3 were either prepared by me or compiled under my direction and supervision.

VINCE SMITH

STATE OF TEXAS

COUNTY OF BEXAR

)

SUBSCRIBED and SWORN to before me this 27 day of April 2020 by Vince Smith.

NOTARY PUBLIC

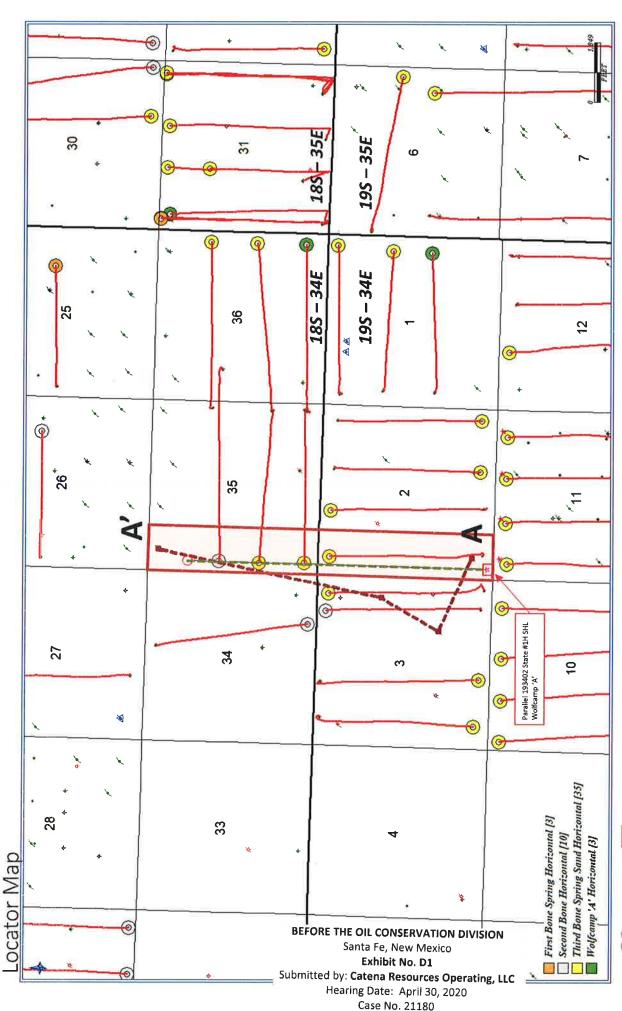
My Commission Expires:

7/26/2021

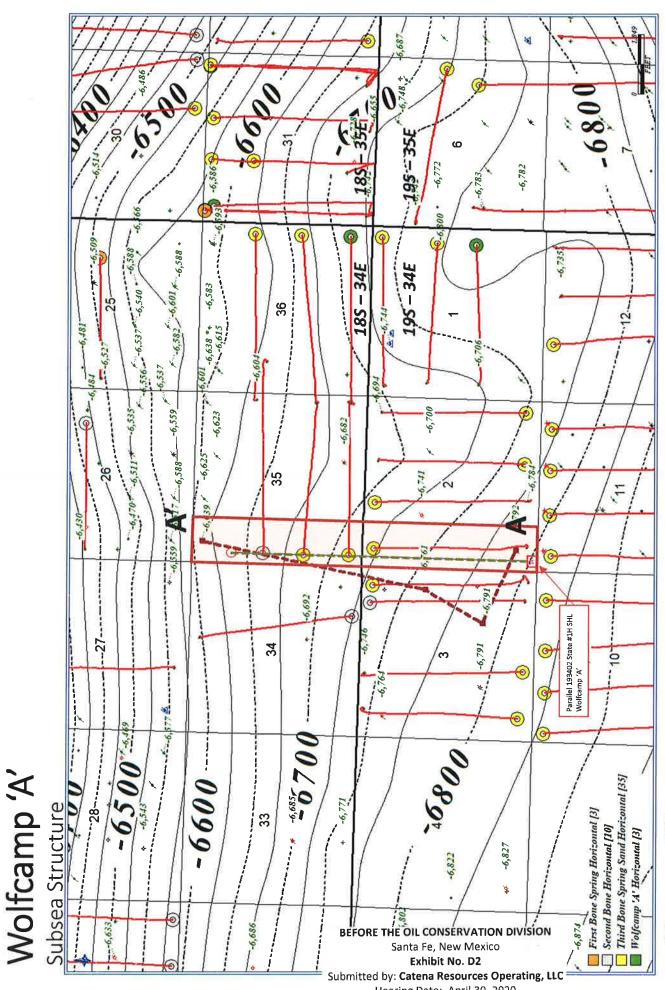
ROBERT EDWARD SWANN Notary ID #128912471 My Commission Expires July 26, 2021

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Parallel 193402 State #1H



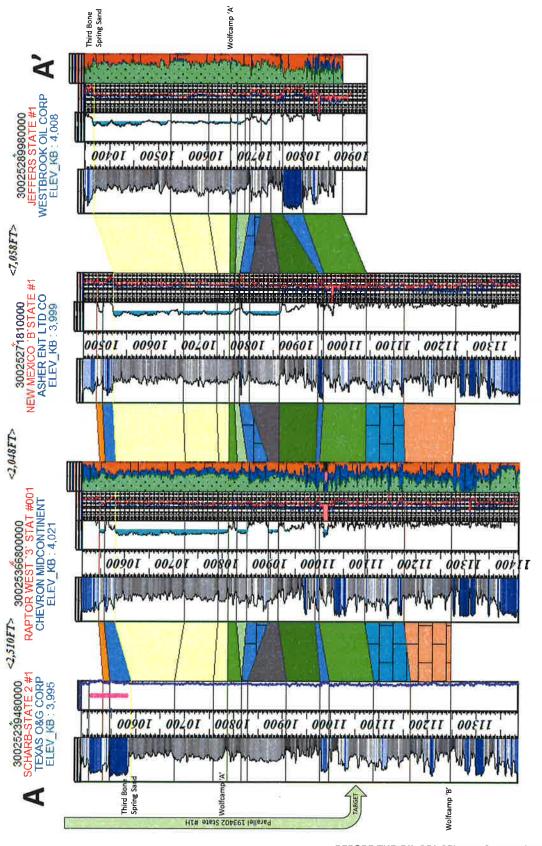




Contour Interval = 25'



# Wolfcamp 'A' Datum Cross Section



#### BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico
Exhibit No. D3

Submitted by: Catena Resources Operating, LLC



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

APPLICATION OF CATENA RESOURCES OPERATING, LLC FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

**CASE NO. 21180** 

#### **AFFIDAVIT**

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

Julia Broggi, attorney in fact and authorized representative of Catena Resources Operating, LLC the Applicant herein, being first duly sworn, upon oath, states that the above-referenced Application has been provided under the notice letters and proof of receipts attached hereto.

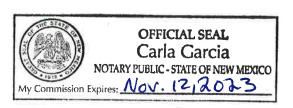
Julia Broggi

SUBSCRIBED AND SWORN to before me this 23rd day of April, 2020 by Julia Broggi.

Notar

My Commission Expires:

Nov. 12,2023



Santa Fe, New Mexico
Exhibit No. E

Submitted by: Catena Resources Operating, LLC



Michael H. Feldewert Phone (505) 988-4421 Fax (505) 983-6043 mfeldewert@hollandhart.com

March 19, 2020

#### VIA CERTIFIED MAIL CERTIFIED RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re: NOTICE OF UPDATED HEARING ADDRESS

Application of Catena Resources Operating, LLC for Compulsory Pooling, Lea County,

New Mexico.

Parallel 193402 #1H Well

Ladies & Gentlemen:

The purpose of this letter is to amend the notice provided on March 13, 2020 of Catena Resources Operating LLC's application with the New Mexico Oil Conservation Division related to the above-referenced wells. A hearing has been requested before a Division Examiner on April 2, 2020, however, the hearing may be rescheduled, and the status of the hearing can be monitored through the Division's website at http://www.emnrd.state.nm.us/ocd/. The hearing will be held in Room 311, New Mexico State Capitol Building (the Roundhouse), 490 Old Santa Fe Trail, Santa Fe, New Mexico. 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 by Division Rule 19.15.4.13.B to file a Pre-hearing Statement four business days in advance of a scheduled hearing. This statement must be filed at the Division's Santa Fe office at the above specified address and should include: the names of the parties and their attorneys; a concise statement of the case; the names of all witnesses the party will call to testify at the hearing; the approximate time the party will need to present its case; and identification of any procedural matters that are to be resolved prior to the hearing.

If you have any questions about this matter, please contact Robert Swann at (210) 775-6993 or at rswann@catenares.com.

AND AND TO

Michael H. Feldewert

ATTORNEY FOR CATENA RESOURCES OPERATING,

LLC



Michael H. Feldewert Phone (505) 988-4421 Fax (505) 983-6043 mfeldewert@hollandhart.com

March 13, 2020

#### VIA CERTIFIED MAIL CERTIFIED RECEIPT REQUESTED

TO: ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS

Re: Application of Catena Resources Operating, LLC for Compulsory Pooling, Lea

County, New Mexico. Parallel 193402 #1H Well

Ladies & Gentlemen:

This letter is to advise you that Catena Resources Operating, LLC, has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on April 2, 2020, and the status of the hearing can be monitored through the Division's website at <a href="http://www.emnrd.state.nm.us/ocd/">http://www.emnrd.state.nm.us/ocd/</a>. Division hearings will commence at 8:15 a.m. in Porter Hall at the Oil Conservation Division's Santa Fe Offices located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an owner of an interest that may be affected by 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 by Division Rule 19.15.4.13.B to file a Pre-hearing Statement four business days in advance of a scheduled hearing. This statement must be filed at the Division's Santa Fe office at the above specified address and should include: the names of the parties and their attorneys; a concise statement of the case; the names of all witnesses the party will call to testify at the hearing; the approximate time the party will need to present its case; and identification of any procedural matters that are to be resolved prior to the hearing.

If you have any questions about this matter, please contact Robert Swann at (210) 775-6993 or at rswann@catenares.com.

1

Michael H. Feldewert

ATTORNEY FOR CATENA RESOURCES OPERATING,

LLC

Case No. 21180 Postal Delivery Report

Tracking Number Recipient

9214890194038309329330 COG Operating LLC 600 W Illinois Avenue Midland TX 79701

9214890194038309329354 Nestegg Energy Corporation 2308 Sierra Vista Rd Artesia NM 88210 9214890194038309329347 Concho Oil & Gas LLC 600 W Illinois Avenue Midland TX 79701

Status

Delivered Signature Received Delivered Signature Received Delivered Signature Received

Catena - Parallel - Amended Letter Case No. 21180 Postal Delivery Report

					Your item arrived at our MIDLAND TX DISTRIBUTION CENTER
9414810898765056487550 COG Operating LLC	COG Operating LLC	600 W Illinois Ave	Midland	79701_4882	destination facility on March 22, 2020 at 3:48 am. The item is Midland TX 70701-4882 circumstation in transit to the destination
	0			7001 1077	במו ביותל ווו רומווזור וס מוב מבזרווומרוסווי
					Your item arrived at our MIDLAND TX DISTRIBUTION CENTER
					destination facility on March 22, 2020 at 3:48 am. The item is
9414810898765056487567 Concho Oil & Gas LLC	Concho Oil & Gas LLC	600 W Illinois Ave	Midland TX	79701-4882	Midland TX 79701-4882 currently in transit to the destination.
					Your item departed our LUBBOCK TX DISTRIBUTION CENTER
					destination facility on March 22, 2020 at 6:48 pm. The item is
9414810898765056487574	9414810898765056487574 Nestegg Energy Corporation	2308 Sierra Vista Rd	Artesia NI	M 88210-9409	2308 Sierra Vista Rd Artesia NM 88210-9409 currently in transit to the destination.



#### **Shipment Confirmation Acceptance Notice**

Note to Mailer: The labels and volume associated to this form online, must match the labeled packages being presented to the USPS® employee with this form.

Catena - Parallel Case No. 21180 CM# 106903.0001 Shipment Date: 03/13/2020 Shipped From: Name: HOLLAND & HART LLP (1)

Address: 110 N GUADALUPE ST # 1

City: SANTA FE

State: NM ZIP+4® 87501

Type of Mail	Volume
Priority Mail Express®*	
Priority Mail®	0
First-Class Package Service®	
Returns	
International*	
Other	3
Total	3 **

<sup>\*</sup>Start time for products with service guarantees will begin when mail arrives at the local Post Office™ and Items receive individual processing and acceptance scans.

#### B. USPS Action

- Note to RSS Clerk:
  1. Home screen > Malling/Shipping > More
  2. Select Shipment Confirm
- Scan or enter the barcode/label number from PS Form 5630
- Confirm the volume count message by selecting Yes or No
   Select Pay and End Visit to complete transaction

USPS EMPLOYEE: Please scan upon pickup or receipt of mail. Leave form with customer or in customer's mall receptacle.

**USPS SCAN AT ACCEPTANCE** 

9275 0901 1935 6200 0020 9863 21





Privacy Notice: For more information on USPS privacy policies, visit usps.com/privacypolicy. Firm Mailing Book For Accountable Mail 꼾 Special Handling SCRD Fee Signature Confirmation Restricted Delivery Sc Signature Confirmation R 8 1.70 Return Receipt Restricted Delivery 윤 <sup>5</sup> ASRD Fee Adult Signature Restricted Delivery ASR Fee Adult Signature Required Sender if COD Insured Value Actual Value I certificate of mailing or for additional copies of this receipt).

Postmark with Date of Receipt. (if issued as an international Handling Charge Affix Stamp Here Handling Charge - if Registered and dver \$50,000 in value (Extra Service) 3.55 3 55 3.55 Postage 0.65 0.65 0.65 □ Signature Confirmation ☐ Signature Confirmation Restricted Delivery Priority Mail Express ☐ Return Receipt for Merchandise Addressee (Name, Street, City, State, & ZIP Code<sup>TM</sup>) ☐ Adult Signature Required ☐ Priority Mail Expr ☐ Adult Signature Restricted Delivery ☐ Registered Mail Postmaster, Per (Name of receiving employee) ration 2308 Sierra Vista Rd Arresia NM 88210 Concho Oil & Gas LLC 500 W Illinois Avenue Midland TX 79701 COG Operating LLC 600 W Illinois Avenue Midland TX 79701 Certified Mail Restricted Delivery
Collect on Delivery (COD)
Insured Mail Complete in Ink Check type of mail or service (Page 1 of 1) Total Number of Pieces Received at Post Office USPS Tracking/Article Number 110 N Guadalupe St # 1 Santa Fe NM 87501 Name and Address of Sender Holland & Hart LLP (1) 9214 8901 9403 8309 3293 30 9214 8901 9403 8309 3293 54 9214 8901 9403 8309 3293 47 PS Form **3877**, April 2015 PSN 7530-02-000-9098 Total Number of Pieces Listed by Sender اما l eri

#### **Affidavit of Publication**

STATE OF NEW MEXICO COUNTY OF LEA

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

> Beginning with the issue dated March 19, 2020 and ending with the issue dated March 19, 2020.

Publisher

Sworn and subscribed to before me this 19th day of March 2020.

Business Manager

My commission expires,

January 29, 2023



OFFICIAL SEAL **GUSSIE BLACK** Notary Public State of New Mexico My Commission Expired

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

LEGAL NOTICE MARCH 19, 2020

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

The State of New Mexico, Energy Minerals and Natural Resources Department, Oil Conservation Division ("Division") hereby gives notice that the Division will hold a public hearing before a hearing examiner on April 2, 2020, 8:15 a.m., in Room 311, New Mexico State Capitol Building (the Roundhouse), 490 Old Santa Fe Trail, Santa Fe, New Mexico. The docket may be viewed electronically on the Division's website, http://www.ennrd.state.nm.us/OCD/hearings.html or obtained from Florene Davidson, OCD Clerk, at (505) 476-3458. Documents Illed in the case may be viewed of the service of the ser v i e w e d a t http://ocdimage.emnrd.state.nm.us/imaging/CaseFil eCriteria.aspx. If you are an individual with a disability who needs a reader, amplifier, qualified sign language interpreter, or other form of auxillary aid or service to attend or participate in the hearing, contact Florene Davidson, OCD Clerk, at (505) 476-3458, or at the New Mexico Relay Network, 1-800-659-1779, no later than March 23, 2020.

STATE OF NEW MEXICO TO: All named parties and persons having any right, title, interest or claim in the following case and notice to the public.

(NOTE: All land descriptions herein refer to the New Mexice Principal Meridian whether or not so stated.)

To: All overriding royalty interest owners and pooled parties, including: COG Operating LLC; Concho Oil & Gas LLC; and Nestegg Energy Corporation.

Case No. 21180: Application of Catena Resources Operating, LLC for compulsory pooling, Lea County, New Mexico. Applicant in Resources Operating, LLC for compulsory pooling, Lea County, New Mexico. Applicant in the above-styled cause seeks an order pooling all uncommitted interests in the Wolfcamp formation underlying a standard 324.13-acre, more or less, horizontal spacing unit comprised of the W/2 W/2 of Section 35, Township 18 South, Range 34 East, and the W/2 W/2 of Section 2. Township 19 South, Range 34 East, NMPM, Lea County, New Mexico. Said horizontal spacing unit is to be initially dedicated to the proposed Parallel 193402 #1H Well to be horizontally drilled from a surface location in the SW/4 SW/4 (Unit M) of Section 2 to a bottom hole location in the NW/4 NW/4 (Unit D) of Section 35. The completed interval for the proposed well will comply with the statewide setback requirements for horizontal oil wells. Also, to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, the actual operating costs and charges for supervision, the designation of applicant as operator of the well and the proposed horizontal spacing unit, and a 200% charge for risk involved in drilling said well. Said area is located approximately 20 miles East of Hobbs, New Mexico. #35326

67100754

00240808

**HOLLAND & HART LLC** PO BOX 2208 SANTA FE,, NM 87504-2208

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico

**Exhibit No. F** 

Submitted by: Catena Resources Operating, LLC