

**BEFORE THE OIL CONSERVATION DIVISION
EXAMINER HEARING APRIL 4, 2019**

CASE No. 20349

DAVIS A FEDERAL 001

SAN JUAN & RIO ARRIBA COUNTIES, NEW MEXICO



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

**APPLICATION OF HILCORP ENERGY
COMPANY FOR AN EXCEPTION TO THE
WELL DENSITY REQUIREMENTS OF THE
SPECIAL RULES AND REGULATIONS FOR
THE BLANCO-MESAVERDE GAS POOL,
SAN JUAN COUNTY, NEW MEXICO.**

CASE NO. 20349

AFFIDAVIT OF BRAD PEARSON IN SUPPORT OF CASE NO. 20349

I, Brad Pearson, being of lawful age and duly sworn, declare as follows:

1. My name is Brad Pearson. I work for Hilcorp Energy Company ("Hilcorp") as a Landman.
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 landman have been accepted by the Division and made a matter of record.
3. I am familiar with the application filed by Hilcorp in this case, and I am familiar with the status of the lands in the subject areas.
4. None of the affected parties in this case has indicated opposition, and therefore I do not expect any opposition at the hearing.
5. Hilcorp seeks an exception to the well density requirements of Rule I.B of the Special Rules and Regulations of the Blanco-Mesaverde Gas Pool to permit it to complete and simultaneously produce three Mesaverde gas wells in the same quarter section, for a total of five Mesaverde gas wells within the same standard 320-acre, more or less, spacing and proration unit.

6. The Blanco-Mesaverde Gas Pool is governed by Special Rules and Regulations which provide for 320-acre spacing and proration units on which as many as four wells may be drilled. The Special Rules therefore limit the number of wells in a spacing unit to four and the number of wells in a half section within a spacing unit to two. The Special Rules also provide that well density exceptions can be approved only after notice and hearing.

7. Hilcorp is the operator of a standard 320-acre, more or less, spacing and proration unit in the Blanco-Mesaverde Gas Pool comprised of the W/2 of Section 25, Township 30 North, Range 11 West, San Juan County, New Mexico, in which the following four wells are currently completed and producing:

- a. Payne 008 Well (API No. 30-045-26643), Sec. 25, T30N, R11W (Unit C/Lot 3);
- b. Davis A Federal 001P Well (API No. 30-045-35324), Sec. 25, T30N, R11W (Unit F/Lot 6);
- c. Davis A Federal 001M Well (API No. 30-045-29746), Sec. 25, T30N, R11W (Unit K/Lot 11); and
- d. Davis A Federal 001N Well (API No. 30-045-35290), Sec. 25, T30N, R11W (Unit M/Lot 12).

8. Hilcorp proposes to simultaneously dedicate and produce the following well within the same standard spacing and proration unit, at the following location:

- a. **Davis A Federal 001** (API No. 30-045-09210), Sec. 25, T30N, R11W (Unit D/Lot 4).

9. This will be the fifth well within the same spacing unit with three wells in the same quarter section, exceeding well density limits imposed by the Special Rules.

10. Hilcorp therefore requests that the Division enter an order granting an exception to the well density requirements of Rule 1.B of the Special Rules and Regulations of the Blanco-Mesaverde Pool to authorize Hilcorp to simultaneously dedicate and produce the **Davis A Federal 001** (API No. 30-045-09210) within the W/2 of Section 25, Township 30 North, Range 11 West, permitting the total number of wells dedicated and producing within this spacing and proration unit to five, with three wells in the same quarter section.

11. The proposed simultaneous dedication of the **Davis A Federal 001**, which is currently producing in the Dakota formation, within the Blanco-Mesaverde is part of Hilcorp's strategy to use existing wells completed in other zones to economically target development of incremental Mesaverde gas reserves in areas where there is not adequate gas drainage.

12. The Division has pre-approved downhole commingling the Dakota formation with the Blanco-Mesaverde Gas Pool.

13. Pursuant to the Special Rules and Division precedent, Hilcorp provided notice to all Division-designated operators in offsetting 320-acre spacing units. Where Hilcorp is the operator, Hilcorp identified all working interest owners in offsetting spacing units as affected parties requiring notice. In some offsetting spacing units, Hilcorp owns 100% of the working interest, in which case there are no affected parties to notice.

14. **Exhibit A-1** is an overview map identifying the location of the subject Blanco-Mesaverde Gas Pool spacing unit, in the green outline, within the W/2 of Section 25, Township 30 North, Range 11 West, to which the well will be simultaneously dedicated.

15. Exhibit A-1 also identifies the locations of the existing Mesaverde wells as gray circles, as well as the **Davis A Federal 001** as a gray triangle.

16. Exhibit A-1 also depicts the notice area comprised of the offsetting spacing units. which is the area within the red dashed line surrounding the subject spacing unit outlined in green. In this case, Hilcorp is the operator of the offsetting spacing units within the notice area.

17. **Exhibit A-2** identifies the affected parties within the offsetting spacing units who are required to be noticed. I provided a list of all affected parties requiring notice to Holland & Hart LLP. All parties were locatable.

18. To the best of my knowledge, the addresses used to provide notice are valid and correct addresses which have been recently used by Hilcorp and at which mail has been received by the notice parties.

19. Exhibits A-1 and A-2 were prepared by me or under my direction and supervision.

FURTHER AFFIANT SAYETH NAUGHT.

Bradley W. Pearson
Brad Pearson

STATE OF TEXAS)
)
COUNTY OF HARRIS)

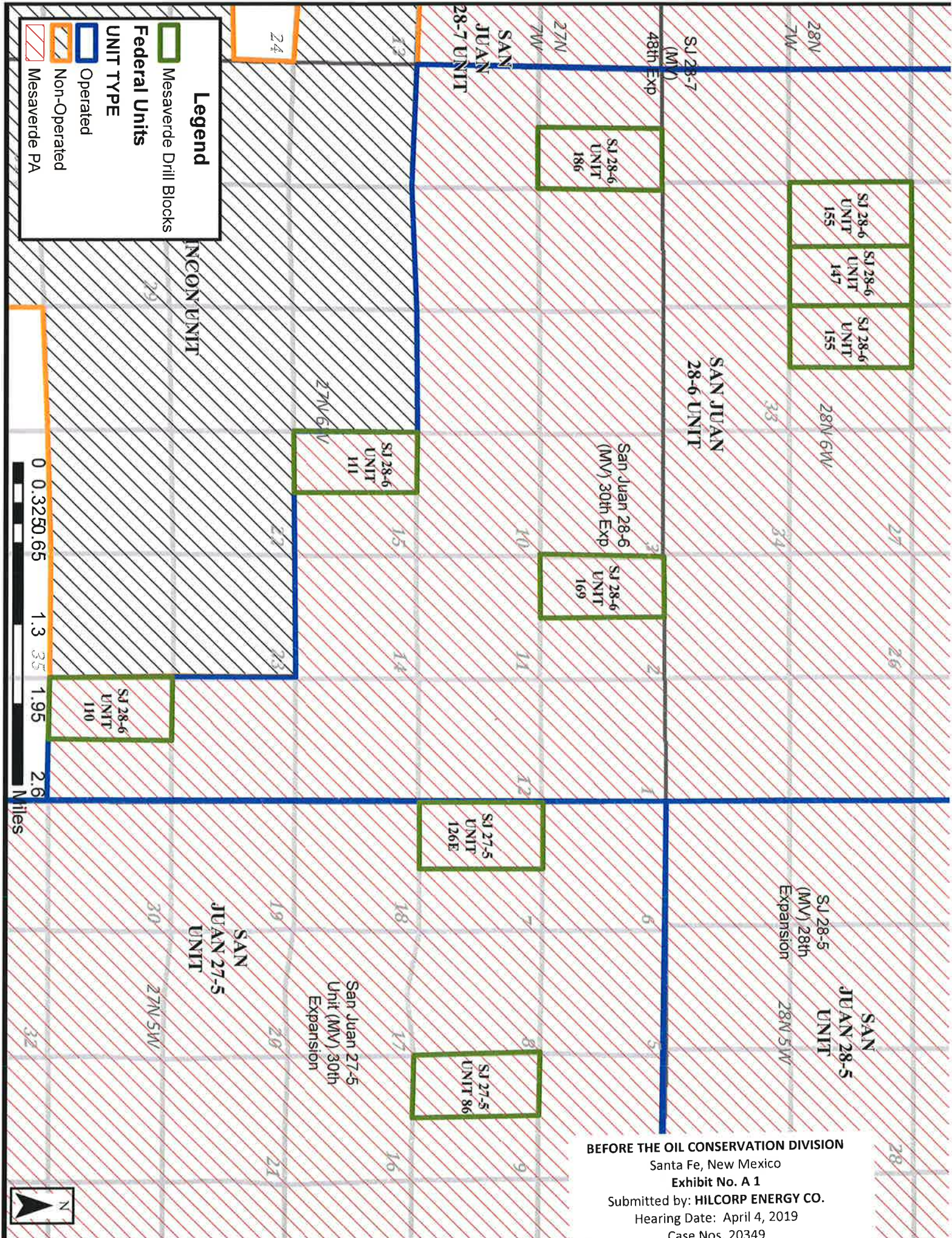
SUBSCRIBED and SWORN to before me this 20 day of April, 2019 by
Brad Pearson.

[Signature]
NOTARY PUBLIC

My Commission Expires:

02/08/2023





BEFORE THE OIL CONSERVATION DIVISION

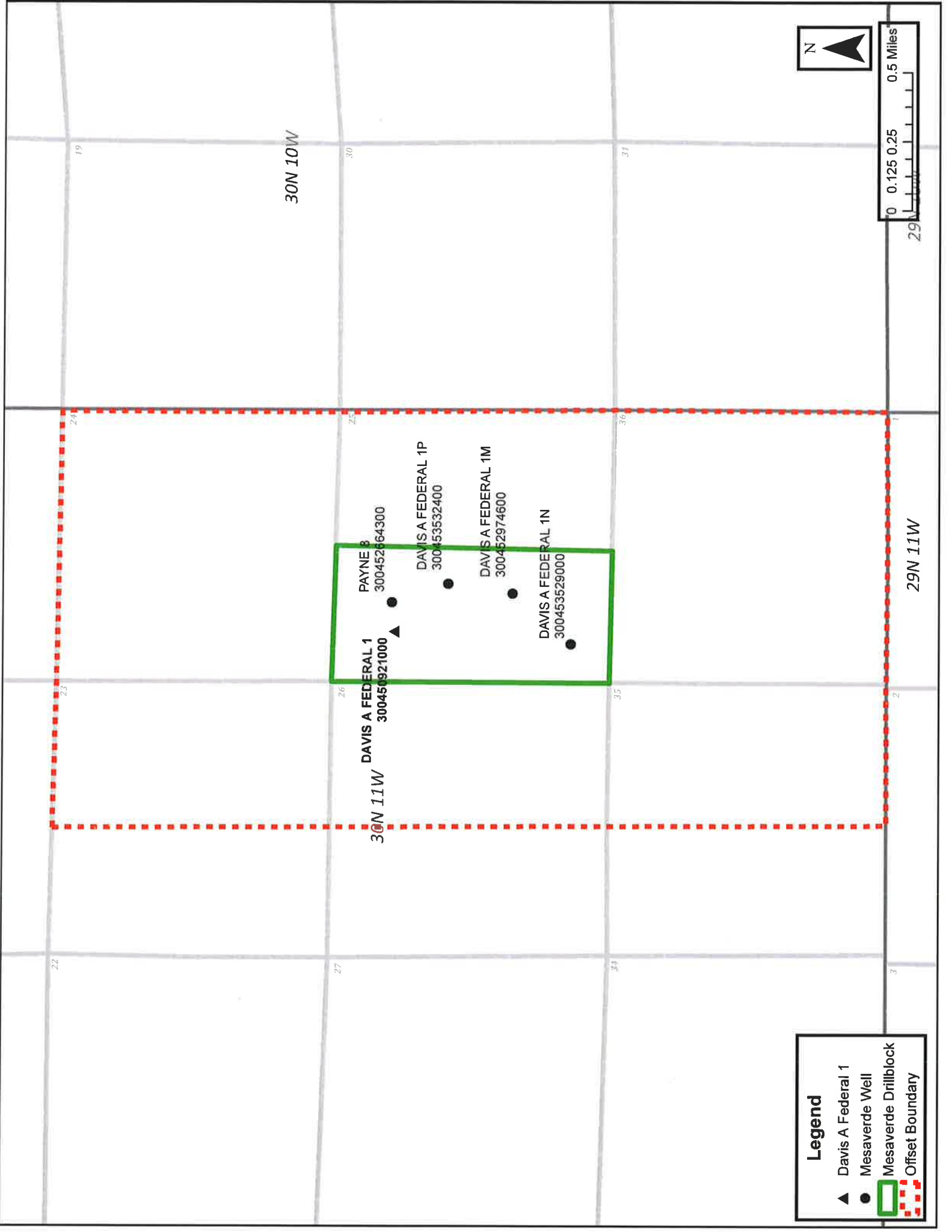
Santa Fe, New Mexico

Exhibit No. A 1

Submitted by: HILCORP ENERGY CO.

Hearing Date: April 4, 2019

Case Nos. 20349



Name	Address	City	State	Zip Code	Remarks	Offset Drillblock
HILCORP ENERGY COMPANY	1111 TRAVIS	HOUSTON	TX	77002	OFFSET OPERATOR	All around
PATRICIA A ADAMS	DBA LEE ANN OIL CO 11920 OAK BRANCH DR	AUSTIN	TX	78737	OFFSET WIO	W/2 Section 36- T30N-R11W
CANFIELD OIL & GAS PROPERTIES INC	PO BOX 1713	JOHNSON CITY	TX	78636	OFFSET WIO	W/2 Section 36- T30N-R11W
WILLIAM J MOUNCE	WILLIAM HAROLD MOUNCE & EDUARDO SOTO POA'S 600 SUNLAND PARK DR STE 6-300	EL PASO	TX	79912	OFFSET WIO	W/2 Section 36- T30N-R11W

HOLLAND & HART LLP



Adam G. Rankin
Phone (505) 988-4421
Fax (505) 983-6043
agrarkin@hollandhart.com

March 15, 2019

VIA CERTIFIED MAIL
CERTIFIED RECEIPT REQUESTED

TO: AFFECTED PARTIES

Re: Application of Hilcorp Energy Company for an Exception to the Well Density Requirements of the Special Rules and Regulations of the Blanco-Mesaverde Gas Pool, Rio Arriba County, New Mexico.

Ladies & Gentlemen:

This letter is to advise you that Hilcorp Energy Company has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on April 4, 2019 and the status of the hearing can be monitored through the Division's website at <http://www.emnrd.state.nm.us/ocd/>. 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 Brad Pearson at (713) 289-2793.

Sincerely,

Adam G. Rankin
ATTORNEY FOR HILCORP ENERGY COMPANY



Shipment Confirmation Acceptance Notice

A. Mailer Action

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.

HEC - DAVIS A FED 001
CM# 93904.0003 20190404 DOCKET
NOTICE LIST

Shipment Date: 03/12/2019

Shipped From:

Name: HOLLAND & HART LLP

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	4
Total	4

*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 > Mailing/Shipping > More
2. Select Shipment Confirm
3. Scan or enter the barcode/label number from PS Form 5630
4. Confirm the volume count message by selecting Yes or No
5. 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 mail receptacle.

USPS SCAN AT ACCEPTANCE



9275 0901 1935 6200 0013 2136 70





Firm Mailing Book For Accountable Mail

Name and Address of Sender	USPS Tracking/Article Number	Check type of mail or service <input type="checkbox"/> Adult Signature Required <input type="checkbox"/> Priority Mail Express <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Signature Confirmation <input type="checkbox"/> Collect on Delivery (COD) <input type="checkbox"/> Signature Confirmation <input type="checkbox"/> Insured Mail <input type="checkbox"/> Signature Confirmation <input type="checkbox"/> Priority Mail <input type="checkbox"/> Restricted Delivery	Affix Stamp Here <i>(if issued as an international certificate of mailing or for additional copies of this receipt).</i> Postmark with Date of Receipt.
1. Holland & Hart LLP 110 N Guadalupe St # 1 Santa Fe NM 87501	9214 8901 9403 8380 0013 23	Addressee (Name, Street, City, State, & ZIP Code™) PATRICIA A. ADAMS DBA LEE ANN OIL CO 11920 OAK BRANCH DR AUSTIN TX 78737	Postage 0.65 (Extra Service) Fee 3.50 Handling Charge Actual Value if Registered Insured Value Due Sender if COD ASR Fee ASRD Fee RD Fee RR Fee 1.60 SC Fee SCRD Fee SH Fee
2. 9214 8901 9403 8380 0013 30	CANFIELD OIL & GAS PROPERTIES INC PO BOX 1713 JOHNSON CITY TX 78636	Postage 0.65 (Extra Service) Fee 3.50 Handling Charge - if Registered and over \$50,000 in value Actual Value if Registered Insured Value Due Sender if COD ASR Fee ASRD Fee RD Fee RR Fee 1.60 SC Fee SCRD Fee SH Fee	
3. 9214 8901 9403 8380 0013 47	WILLIAM J WOUNCEE 600 SUNLAND PARK DR STE 6-300 EL PASO TX 79912	Postage 0.65 (Extra Service) Fee 3.50 Handling Charge - if Registered and over \$50,000 in value Actual Value if Registered Insured Value Due Sender if COD ASR Fee ASRD Fee RD Fee RR Fee 1.60 SC Fee SCRD Fee SH Fee	
4. 9214 8901 9403 8380 0013 54	U S BLM Farmington Field Office 6251 College Blvd Suite A FARMINGTON NM 87402	Postage 0.65 (Extra Service) Fee 3.50 Handling Charge - if Registered and over \$50,000 in value Actual Value if Registered Insured Value Due Sender if COD ASR Fee ASRD Fee RD Fee RR Fee 1.60 SC Fee SCRD Fee SH Fee	
Total Number of Pieces Listed by Sender 4	Total Number of Pieces Received at Post Office	Postmaster, Per (Name of receiving employee)	

HEC DAVIS A 001 POSTAGE STATUS

Recipient	Status
PATRICIA A ADAMS DBA LEE ANN OIL CO 11920 OAK BRANCH DR AUSTIN TX 78737	Delivered Signature Received
CANFIELD OIL & GAS PROPERTIES INC PO BOX 1713 JOHNSON CITY TX 78636	Delivered Signature Received
WILLIAM J MOUNCE 600 SUNLAND PARK DR STE 6-300 EL PASO TX 79912	Delivered Signature Received
U S BLM Farmington Field Office 6251 College Blvd Suite A FARMINGTON NM 87402	Delivered Signature Received

AFFIDAVIT OF PUBLICATION

Ad No.
0001280262

HOLLAND AND HART
PO BOX 2208


SANTA FE NM 87504

I, being duly sworn say: THE DAILY TIMES, a daily newspaper of general circulation published in English at Farmington, said county and state, and that the hereto attached Legal Notice was published in a regular and entire issue of the said DAILY TIMES, a daily newspaper duly qualified for the purpose within the State of New Mexico for publication and appeared in the internet at The Daily Times web site on the following days(s):

03/18/19

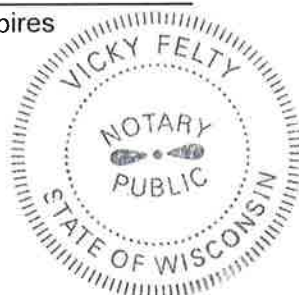

Legal Clerk

Subscribed and sworn before me this
18th of March 2019.


State of NM, County of Brown
NOTARY PUBLIC


My Commission Expires

Ad#:0001280262
P O : Ridge Unit
of Affidavits :0.00



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

The State of New Mexico through its Oil Conservation Division hereby gives notice pursuant to law and the Rules and Regulations of the Division of the following public hearing to be held at 8:15 A.M. on **April 4, 2019**, in the Oil Conservation Division Hearing Room at 1220 South St. Francis, Santa Fe, New Mexico, before an examiner duly appoint for the hearing. If you are an individual with a disability who is in need of a reader, amplifier, qualified sign language interpreter, or any other form of auxiliary aid or service to attend or participate in the hearing, please contact: Florene Davidson at 505-476-3458 or through the New Mexico Relay Network, 1-800-659-1779 by **March 25, 2019**. Public documents, including the agenda and minutes, can be provided in various accessible forms. Please contact Florene Davidson if a summary or other type of accessible form is needed.

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 Mexico Principal Meridian whether or not so stated.)

To: ALL WORKING INTEREST OWNERS IN THE SUBJECT SPACING UNIT AND OFFSETTING OPERATORS OR LEASED MINERAL INTEREST OWNERS, INCLUDING: PATRICIA A. ADAMS DBA LEE ANN OIL CO, HER HEIRS AND DEVISEES; CANFIELD OIL & GAS PROPERTIES INC; WILLIAM J. MOUNCE, WILLIAM HAROLD MOUNCE & EDUARDO SOTO POA'S, HIS HEIR AND DEVISEES; UNITED STATES BUREAU OF LAND MANAGEMENT, FARMINGTON FIELD OFFICE.

CASE 20349: Application of Hilcorp Energy Company for an Exception to the Well Density Requirements of the Special Rules and Regulations of the Blanco-Mesaverde Gas Pool, San Juan County, New Mexico. Applicant in the above-styled cause seeks an order for an exception to the well density requirements of Rule I.B of the Special Rules and Regulations for the Blanco-Mesaverde Gas Pool (72319), San Juan County, New Mexico, to permit it to complete and simultaneously produce five Mesaverde gas wells in the same standard 320-acre, more or less, spacing and proration unit, with three wells in the same quarter section. Hilcorp further seeks approval for the proposed location of the **Davis A Federal 001** (API

No. 30-045-09210) in the Mesaverde formation with a surface location in Unit D/Lot 4 of the W/2 of Section 25, Township 30 North, Range 11 West, NMPM, San Juan County, New Mexico, and authorization to simultaneously complete and produce the **Davis A Federal 001** from the Blanco-Mesaverde Gas Pool. Said area is located approximately 28 miles east of Bloomfield, NM.

Legal No. 1280262 published in The Daily Times on March 18, 2019.

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

**APPLICATION OF HILCORP ENERGY
COMPANY FOR AN EXCEPTION TO THE
WELL DENSITY REQUIREMENTS OF THE
SPECIAL RULES AND REGULATIONS FOR
THE BLANCO-MESAVERDE GAS POOL,
SAN JUAN COUNTY, NEW MEXICO.**

CASE NO. 20349

AFFIDAVIT OF TYLER TEYKL IN SUPPORT OF CASE NO. 20349

Tyler Teykl, being of lawful age and duly sworn, declare as follows:

1. My name is Tyler Teykl. I work for Hilcorp Energy Company (“Hilcorp”) as a reservoir engineer.
2. I have not previously testified before the New Mexico Oil Conservation Division as an expert in reservoir engineering. I graduated from Purdue University in 2012 with a Bachelor of Science in chemical engineering and from Harvard University in 2017 with a Master’s in Business Administration. From 2012 to 2015, I worked as a construction engineer for major oil and gas projects and companies in the Middle East, Indonesia, and on the North Slope of Alaska. My responsibilities included overseeing oil and gas infrastructure and development projects in production and processing facilities. In 2017, I started working for Hilcorp as an onshore operations engineer in the Texas Gulf Coast region, managing completions, workovers and facility installation projects. Currently, I am a reservoir engineer for the San Juan Basin. My responsibilities include identifying and executing development projects for new drills and recompletions of overlooked opportunities, and to manage the plan of development within the Mesaverde reservoir. My curriculum vitae is attached as **Exhibit C-1**.

3. I am familiar with the application filed by Hilcorp in this case and have conducted an engineering study of the subject area and of the Blanco-Mesaverde Gas Pool.

4. As with Hilcorp's prior applications for well density exceptions in the Blanco-Mesaverde Gas Pool, I used a decline curve analysis of existing wells to estimate ultimate recoveries for the subject spacing unit under the existing well density. I then compared the estimated ultimate gas recoveries against log-derived volumetric calculations for the original gas in place with the cumulative gas production in the spacing unit. Using this approach, we identified areas, including the subject spacing unit, that have substantial remaining recoverable gas and lower-than-expected gas recoveries where additional well bores or well completions are necessary to adequately drain remaining gas reserves.

5. **Exhibit C-2** contains information relating to the subject spacing unit and the **Davis A Federal 001** (API No. 30-045-09210) in Unit D/Lot 4 of the W/2 of Section 25, Township 30 North, Range 11 West, which is the well Hilcorp proposes for simultaneous dedication within the Blanco-Mesaverde Gas Pool in this application. It is currently producing within the Dakota formation. It will be the third Mesaverde completion in the quarter section in the spacing unit. I anticipate that it will help drain the area to the west.

6. **Exhibit C-3** is a basin-wide map reflecting Hilcorp's calculations for original gas in place across the Blanco-Mesaverde Gas Pool. The warmer colors represent areas where there is more original gas in place. The cooler colors indicate areas where there is less original gas in place. The red star indicates the location of the subject well.

7. **Exhibit C-4** is a map depicting the calculated estimated ultimate recovery (EUR) from the Blanco-Mesaverde Gas Pool and drainage radius. The larger radius circles reflect wells

with higher EURs and larger drainage areas. The red star identifies the location of the subject well where there is relatively low EURs and the drainage radii are smaller.

8. **Exhibit C-5** is a map depicting calculated remaining recoverable gas. The cooler colors indicate areas where there is relatively less remaining recoverable gas. The warmer colors reflect areas where there is relatively more remaining recoverable gas. The red star identifies the location of the subject well in an area where we calculate that there is relatively considerable remaining recoverable gas and relatively low EURs under the existing well density.

9. **Exhibit C-6** is a table that supports this volumetric analysis. The first column titled "Volumetric OGIP" reflects the calculated volumetric original gas in place on a quarter section, section, and nine-section area basis around the subject spacing unit. The column titled "Section Equivalent OGIP" shows the estimated gas in place to show that the estimates are consistent across the area. The column titled "CTD/RF%" shows the cumulative gas production to date on a quarter section, section, and nine-section area basis and the calculated recovery factor. The column titled "Remaining GIP" shows the estimated remaining gas in place on a quarter section, section, and nine-section area basis. The last column titled "EUR/RF%" shows the estimated ultimate gas recovery and recovery factor calculated on a quarter section, section, and nine-section area basis.

10. I would expect recovery factors of approximately 70-85% in a gas pool of this type. The low recovery factors in Exhibit C-6 indicate that the area is not being sufficiently drained by the existing wells in the subject spacing unit under the existing well density and that additional well bores, or completions, are necessary to adequately drain the Blanco-Mesaverde Gas Pool in this area.

11. Approval of Hilcorp's application is therefore necessary to drain unrecovered gas reserves that will otherwise be left in place under the existing well density.

12. In my opinion, granting this application will not impair the Blanco-Mesaverde Gas Pool, and will be in the interest of conservation, the prevention of waste and will protect correlative rights.


13. Exhibits C-1 through C-6 were prepared by me or under my direction and supervision.

FURTHER AFFIANT SAYETH NAUGHT.


Tyler Teykl

STATE OF TEXAS)
)
COUNTY OF HARRIS)

SUBSCRIBED and SWORN to before me this 3rd day of April, 2019 by
Tyler Teykl.


NOTARY PUBLIC

My Commission Expires:

02/08/2023



Tyler Teykl

Business Address

1111 Travis Street
Houston, TX 77002

tteykl@hilcorp.com
281.682.8122

Personal Address

8914 Live Oak Grove Lane
Houston, TX 77080

Experience

2019-Present	HILCORP ENERGY COMPANY Reservoir Engineer <i>San Juan Basin</i> <ul style="list-style-type: none">Identify, quantify, and execute oil and gas development and exploitation projects through evaluation of new drill, recomple, and bypassed pay opportunities.Manage plan of development for Mesaverde reservoir. Monitor and optimize well production.	HOUSTON, TX
2017-2018	Operations Engineer <i>Texas Gulf Coast Onshore</i> <ul style="list-style-type: none">Managed completion, workover, and facilities installation projects within asset area.Maximized hydrocarbon production and operating profits through monitoring production, identifying opportunities, and executing operating projects. Oversaw production systems operations including all facilities and flowlines. Planned and implemented artificial lift processes.	
summer 2016	MCKINSEY & COMPANY Summer Associate <p>Performed marketing analyses for multinational telecommunications corporation. Developed recommendations to construct an integrated marketing portfolio to maximize return on investment across all consumer businesses.</p> <ul style="list-style-type: none">Identified \$200 million in potential savings through implementation of standardized allocation and operations.	HOUSTON, TX
2013-2015	EXXONMOBIL DEVELOPMENT COMPANY Construction Engineer <p>Developed, implemented, and managed multiple construction execution plans for the \$4.3 billion natural gas project of the Point Thomson Unit field on the North Slope of Alaska.</p> <p>Strategic Planning</p> <ul style="list-style-type: none">Oversaw integrated project schedule for the completion of infrastructure, pipeline, and logistics projects.Managed the allocation of 800 people to direct work activities between prime contractor and 23 subcontractors.Executed capital efficient recovery plans on remote site with significant Arctic logistics challenges. <p>Project Management</p> <ul style="list-style-type: none">Supervised on-site facilities construction team, provided resolution of technical issues, and interfaced between engineering, business services, and project leadership.Coordinated with international teams to prepare integration plan for South Korea and Alaska work scopes.	ANCHORAGE, AK
2012-2013	Construction Engineer <p>Drove implementation of construction management planning, processes, and deliverables to Middle East and Southeast Asia for major oil and gas production and processing projects in Qatar, UAE, Iraq, and Indonesia.</p> <p>Team Leadership</p> <ul style="list-style-type: none">Led contractor construction team for infrastructure work scopes valued at \$200 million during design and pre-contract award. Engaged in drawing reviews, constructability oversight, subcontract bid process and evaluation, and interface between ExxonMobil and contractor engineering. <p>Consulting Projects</p> <ul style="list-style-type: none">Created optimization plan for equipment installation through metric tracking, local contractor engagement, and work flow mapping.Conducted independent project assessments and verification activities for four major upstream capital projects with international teams focusing on safety, cost, and schedule performance and generated action plans.	HOUSTON, TX
2015-2017	HARVARD BUSINESS SCHOOL Master of Business Administration.	BOSTON, MA
2008-2012	PURDUE UNIVERSITY Bachelor of Science degree <i>with Distinction</i> in Chemical Engineering.	WEST LAFAYETTE, IN

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico

Exhibit No. C1

Submitted by: HILCORP ENERGY CO.

Hearing Date: April 4, 2019

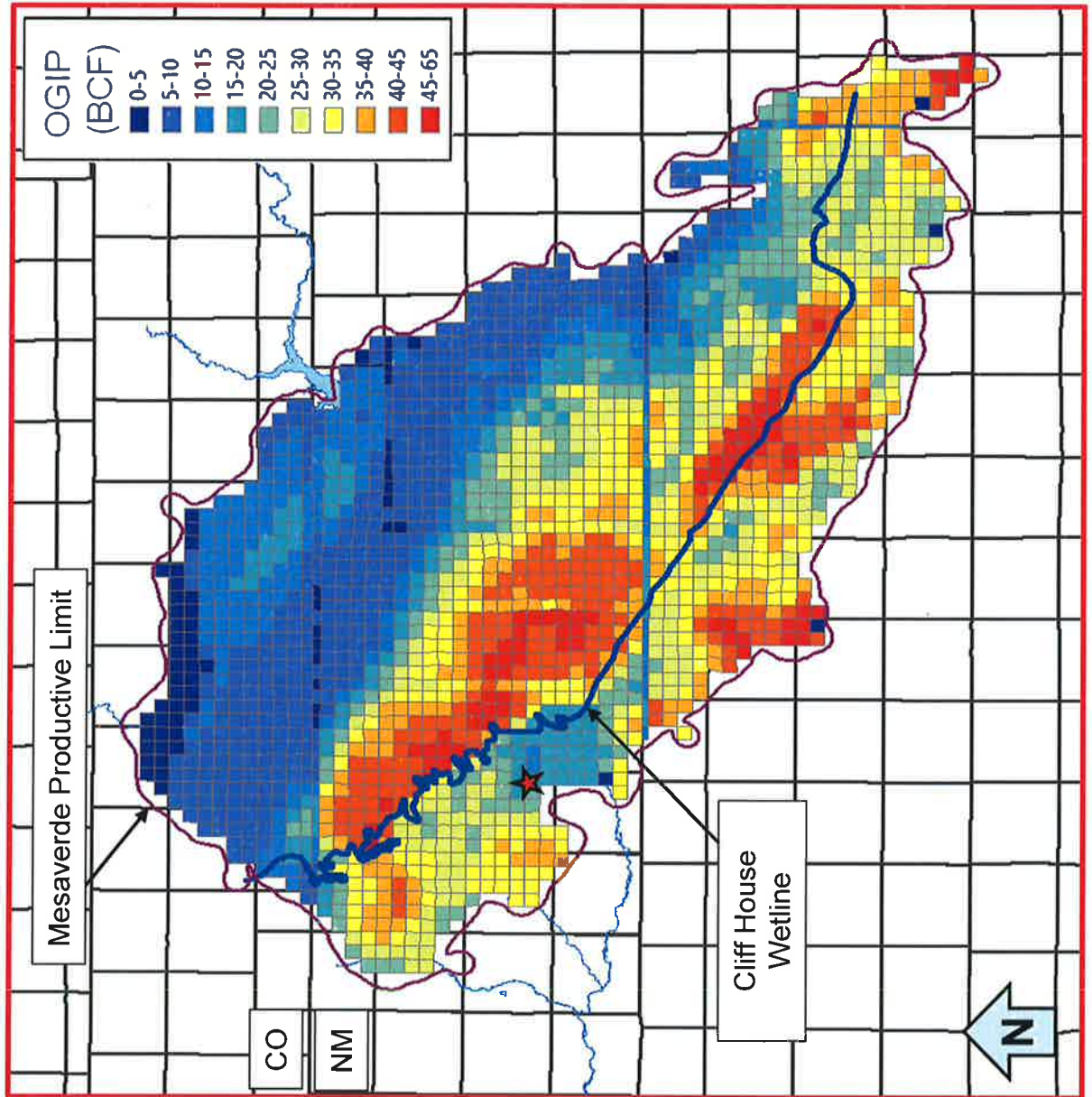
Case Nos. 20349



- BEFORE THE OIL CONSERVATION DIVISION**
Santa Fe, New Mexico
Exhibit No. C2
Submitted by: **HILCORP ENERGY CO.**
Hearing Date: April 4, 2019
Case Nos. 20349

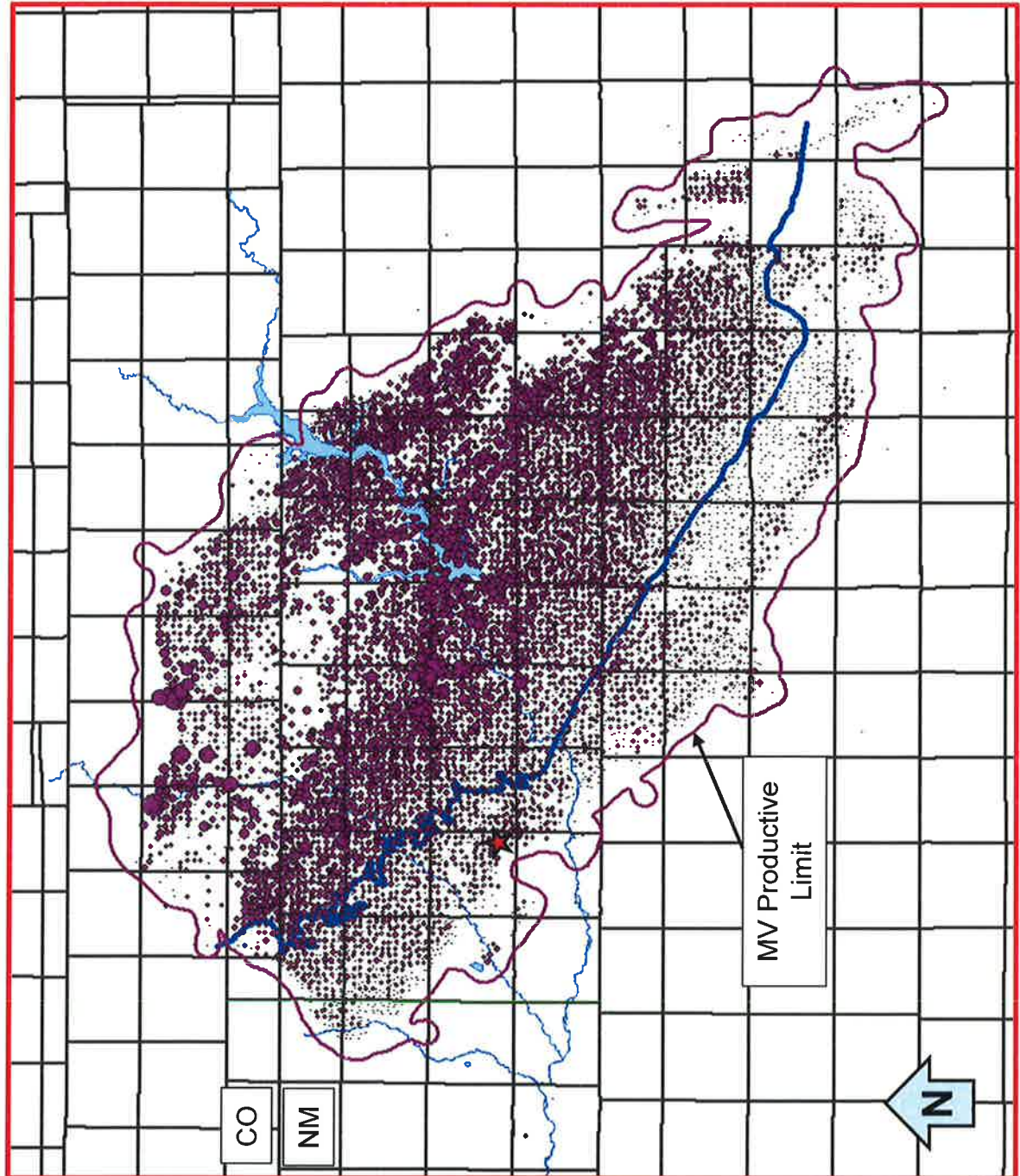


MV Original Gas In Place

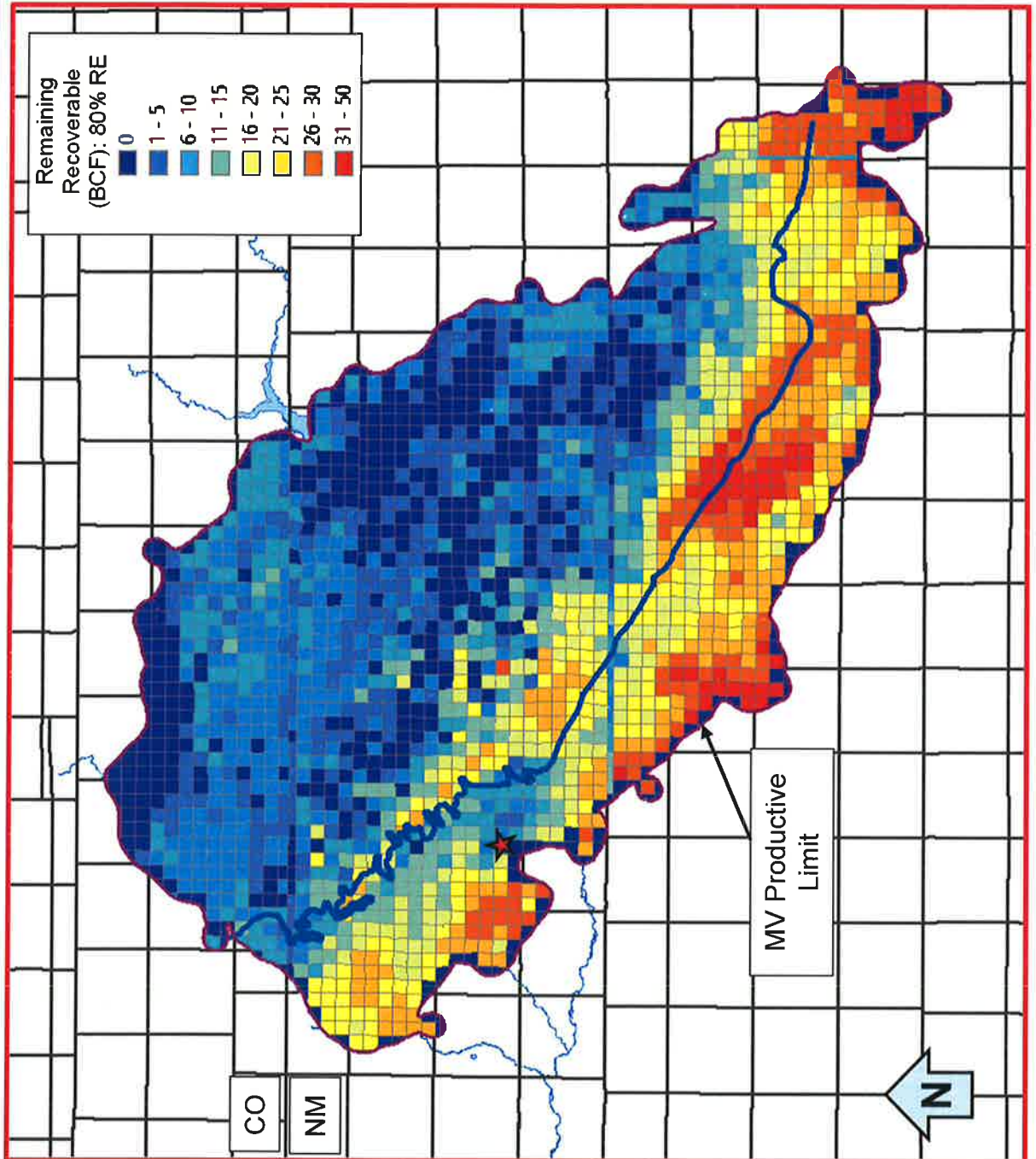




MV EUR and Drainage Radius



MV Remaining Recoverable Gas



Davis A Federal 1



Reference Area	Volumetric OGIP	Section Equivalent OGIP	CTD / RF%	Remaining GIP	EUR / RF%
Qtr Section	6.35 Bcf	25.4 Bcf	1.83 Bcf / 29%	4.52 Bcf	3.99 Bcf / 63%
Section	23.6 Bcf	23.6 Bcf	5.2 Bcf / 22%	18.4 Bcf	9.2 Bcf / 39%
9 Section	234 Bcf	26 Bcf	49 Bcf / 21%	185 Bcf	81 Bcf / 35%

- Remaining Gas in Place in Quarter Section of 4.5 Bcf
- Cumulative Recovery Factor to Date 29% and 22% in the Quarter Section and Section, respectively
- Considerable gas remaining in area with opportunity to recover additional volumes utilizing existing wellbore