

District I
1625 N. French Drive, Hobbs, NM 88240

District II
811 S. First St., Artesia, NM 88210

District III
1000 Rio Brazos Road, Aztec, NM 87410

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

APPLICATION FOR DOWNHOLE COMMINGLING

Form C-107A
Revised August 1, 2011

APPLICATION TYPE
Single Well
Establish Pre-Approved Pools
EXISTING WELLBORE
X Yes ___ No

H. L. Brown Operating, LLC

P.O. Box 2237 Midland, TX 79702

Operator
Federal 27

1

Address
Unit E, Sec 27, T-7-S R-37-E

Roosevelt, NM

Lease

Well No.

Unit Letter-Section-Township-Range

County

OGRID No. 213179

Property Code

API No. 30-041-20818

Lease Type: X Federal

State

Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Bluitt Wolfcamp		Bluitt Devonian
Pool Code			
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	8380' – 8556'		8670' – 8944'
Method of Production (Flowing or Artificial Lift)	Sucker rod lift		Sucker rod lift
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)			
Oil Gravity or Gas BTU (Degree API or Gas BTU)			
Producing, Shut-In or New Zone	S.I.		S.I.
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: 03/31/2018 Rates: 0/0/19	Date: Rates:	Date: 08/31/2008 Rates: 5/12/3
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas 0 % 86 %	Oil Gas % %	Oil Gas 100 % 14 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones?
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?
Yes X No
Yes No

Are all produced fluids from all commingled zones compatible with each other?
Yes X No
Yes No

Will commingling decrease the value of production?
Yes X No

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application?
Yes X No

NMOCD Reference Case No. applicable to this well:

Attachments:
C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
Production curve for each zone for at least one year. (If not available, attach explanation.)
For zones with no production history, estimated production rates and supporting data.
Data to support allocation method or formula.
Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

List of other orders approving downhole commingling within the proposed Pre-Approved Pools
List of all operators within the proposed Pre-Approved Pools
Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Bailey Aguilar*

DATE 3-31-2022

TITLE Production Analyst

TYPE OR PRINT NAME Bailey Aguilar

TELEPHONE NO. (432) 688-3722

E-MAIL ADDRESS baguilar@hlboperating.com

Downhole Commingle Application

Federal 27 #1

Proposed date for work to begin: 05-01-2022

Procedure Description:

Downhole commingle existing Penn perforations from 8,380'-8,384' ; 8,524'-8,528' ; 8,548'-8,556' with existing Devonian perforations from 8,670'-8,818' ; 8,845'-8,892' ; 8,898'-8,944' in order to prevent waste & optimize ultimate recovery from both zones.

- 1.) POOH w/ production equipment
- 2.) Drill out CIBP's @ 8538' ; 8611'
- 3.) Fish Arrowset pkr @ 8626'
- 4.) Drill out CIBP @ 8,840'
- 5.) Install production equipment
- 6.) Place on production

Downhole commingling will not reduce value of any production.

1650' FNL & 660' FWL, Sec 27, T-7S, R-37E, Roosevelt County, New Mexico
Elev: 4058', KB: 4074' (16')
API # 30-041-20818

Production	
Initial:	103 BO/0 BW/445 MCF
Current:	0 BO/0 BW/0 MCF
Cum:	314 MBO & 1,771 MMCF

Status: Shut In

Surface Casing
13-3/8" 61# K-55 @ 517'
530 sxs cement, circ 50 s
17-1/2" Hole

Intermediate Casing
8-5/8", 32, K-55 @ 3875'
1,600 sxs. circ 10 sxs
11" hole

Potential Bad Casing
3,480', 5,604', 5,724' - tight spots
5,518', 6,580', 7,272' - pits
7,865' - pits

TOC @ 6.100"

Total 0

Wolfcamp	4'	16 holes
8,380-8,384		
8,524-8,528		
8,548-8,556		

CIBP - 8,538' capped w/50' cmt

CIBP - 8,611' capped w/35' cmt

Fish - 8.626' - Arrowset IX w/SN

CIBP - 8,840' capped w/10' cmt

Upper Devonian	8,670, 8,672, 8,676, 8,682, 8,686, 8,690	Abn'd by CIBP
	8,696, 8,706, 8,715, 8,722, 8,725, 8,732,	
	8,740, 8,746, 8,754, 8,760, 8,766, 8,772,	
	8,779, 8,786, 8,796, 8,802, 8,810, 8,818	
Total	24' 48 holes	

Middle Devonian	8,845, 8,848, 8,849, 8,864, 8,865, 8,867	Abnd'd by CIBP
	8,868, 8,873, 8,874, 8,875, 8,878, 8,879,	
	8,885, 8,886, 8,889, 8,890, 8,891, 8,892	
Total	18' 18 holes	

Lower Devonian	Abnd'd by CIBP
8,898-8,906	16 holes
8,918-8,921	3 holes
8,925-8,932	7 holes
8,936-8,944	16 holes
Total	26 holes

8 966' - Junk - 2' nkr mandrel

Orig TD = 9089'
PBTD = 8969'
Curr PBTD = 8,488'

Production Casing
4-1/2" 11.6# J-55 & N-80 LT&C @ 9089'
1,250 sxs, TOC @ 6,100' by CBL 9-12-87
7-7/8" Hole

Released to Imaging: 5/9/2022 4:47:58 PM

Federal 27 #1
Post Workover

1650' FNL & 660' FWL, Sec 27, T-7S, R-37E, Roosevelt County, New Mexico
Elev: 4058', KB: 4074' (16)

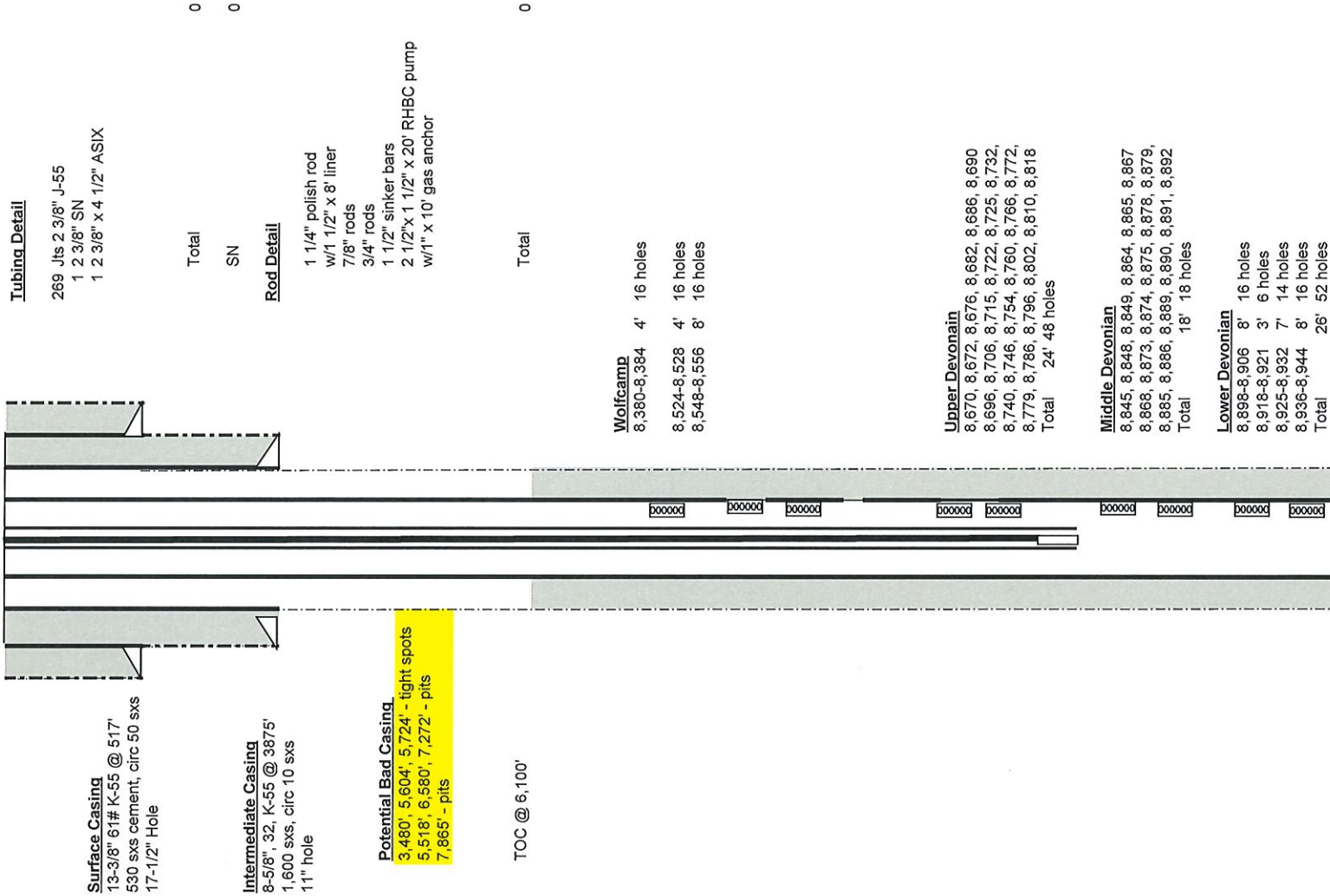
Field: Bluit Wolfcamp

API # 30-041-20818

Spud: 8/4/87
Initial Completion: 9/12/87

Status: Producing

Production
Initial: 103 BO/0 BW/445 MCF
Current: 0 BO/0 BW/0 MCF
Cum: 314 MBO & 1,771 MMCF



8,966' - Junk - 2' pkr mandrel
Orig TD = 9089'
PBTD = 8969'
Curr PBTD = 8,969'

Production Casing
4-1/2" 11.6# J-55 & N-80 LT&C @ 9089'
1,250 sxs, TOC @ 6,100' by CBL 9-12-87
7-7/8" Hole

Federal 27 #1

Due to information from previous well production from each zone we would allocate as follows:

100% oil to Devonian

14% gas to Devonian ; 86% gas to wolfcamp

Downhole Commingle Application

Federal 27 #1

Proposed date for work to begin: 05-01-2022

Procedure Description:

Downhole commingle existing Penn perforations from 8,380'-8,384' ; 8,524'-8,528' ; 8,548'-8,556' with existing Devonian perforations from 8,670'-8,818' ; 8,845'-8,892' ; 8,898'-8,944' in order to prevent waste & optimize ultimate recovery from both zones.

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- 3.) Fish Arrowset pkr @ 8626'
- 4.) Drill out CIBP @ 8,840'
- 5.) Install production equipment
- 6.) Place on production

Downhole commingling will not reduce value of any production.

From: [Engineer, OCD, EMNRD](#)
To: [Bailey Aguilar](#)
Cc: [McClure, Dean, EMNRD](#); [Kautz, Paul, EMNRD](#); [Wrinkle, Justin, EMNRD](#); [Powell, Brandon, EMNRD](#); [lisa@rwbyram.com](#); [Glover, James](#); [Paradis, Kyle O](#); [Walls, Christopher](#)
Subject: Approved Administrative Order DHC-5193
Date: Monday, May 9, 2022 4:38:27 PM
Attachments: [DHC5193 Order.pdf](#)

NMOCD has issued Administrative Order DHC-5193 which authorizes H L Brown Operating, LLC (213179) to downhole commingle production within the following well:

Well Name: **Federal 27 Com #1**

Well API: **30-041-20818**

The administrative order is attached to this email and can also be found online at OCD Imaging.

Please review the content of the order to ensure you are familiar with the authorities granted and any conditions of approval. If you have any questions regarding this matter, please contact me.

Dean McClure
Petroleum Engineer, Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department
(505) 469-8211

Downhole Commingle Application

Federal 27 #1

Proposed date for work to begin: 05-01-2022

Procedure Description:

Downhole commingle existing Penn perforations from 8,380'-8,384' ; 8,524'-8,528' ; 8,548'-8,556' with existing Devonian perforations from 8,670'-8,818' ; 8,845'-8,892' ; 8,898'-8,944' in order to prevent waste & optimize ultimate recovery from both zones.

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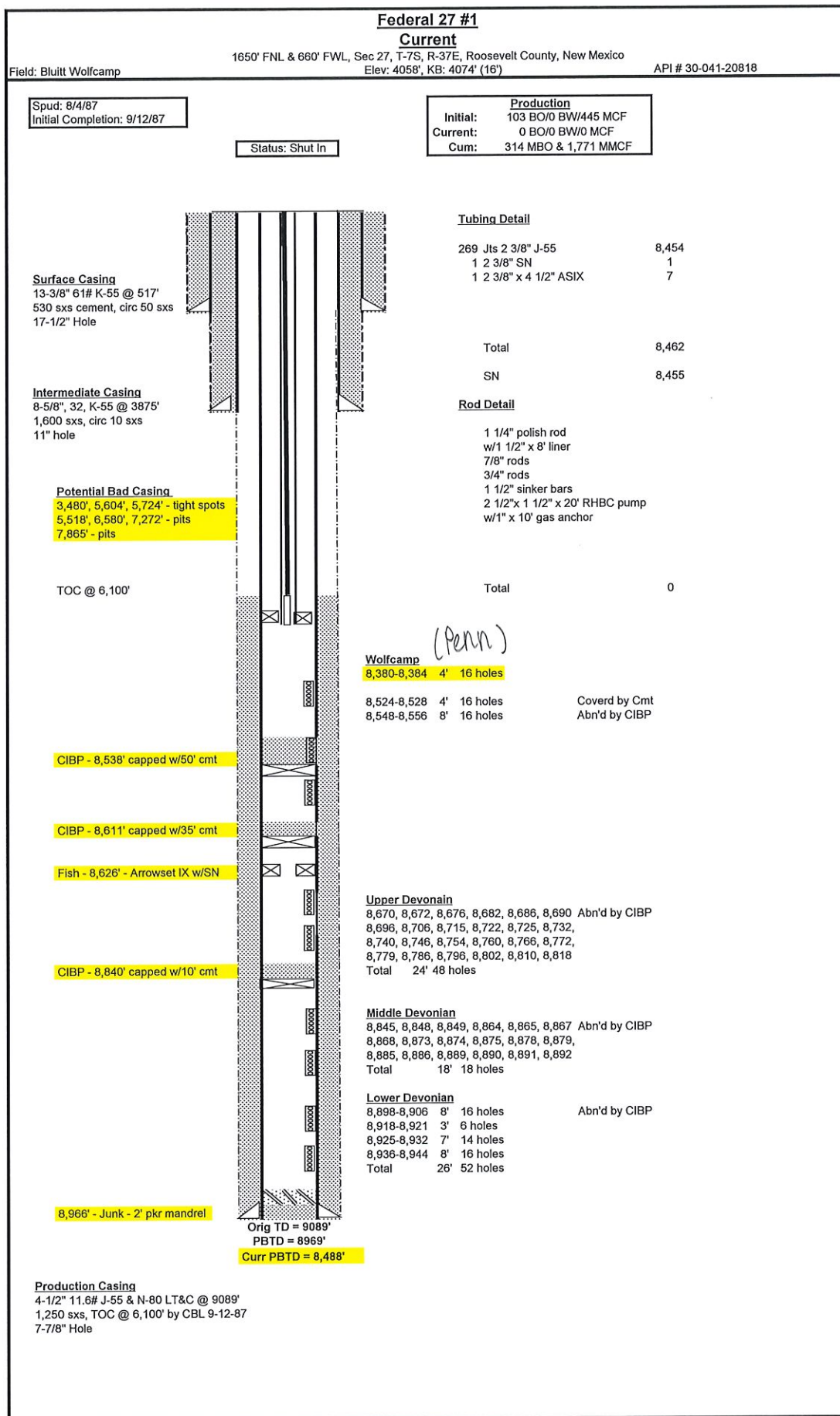
Downhole commingling will not reduce value of any production.

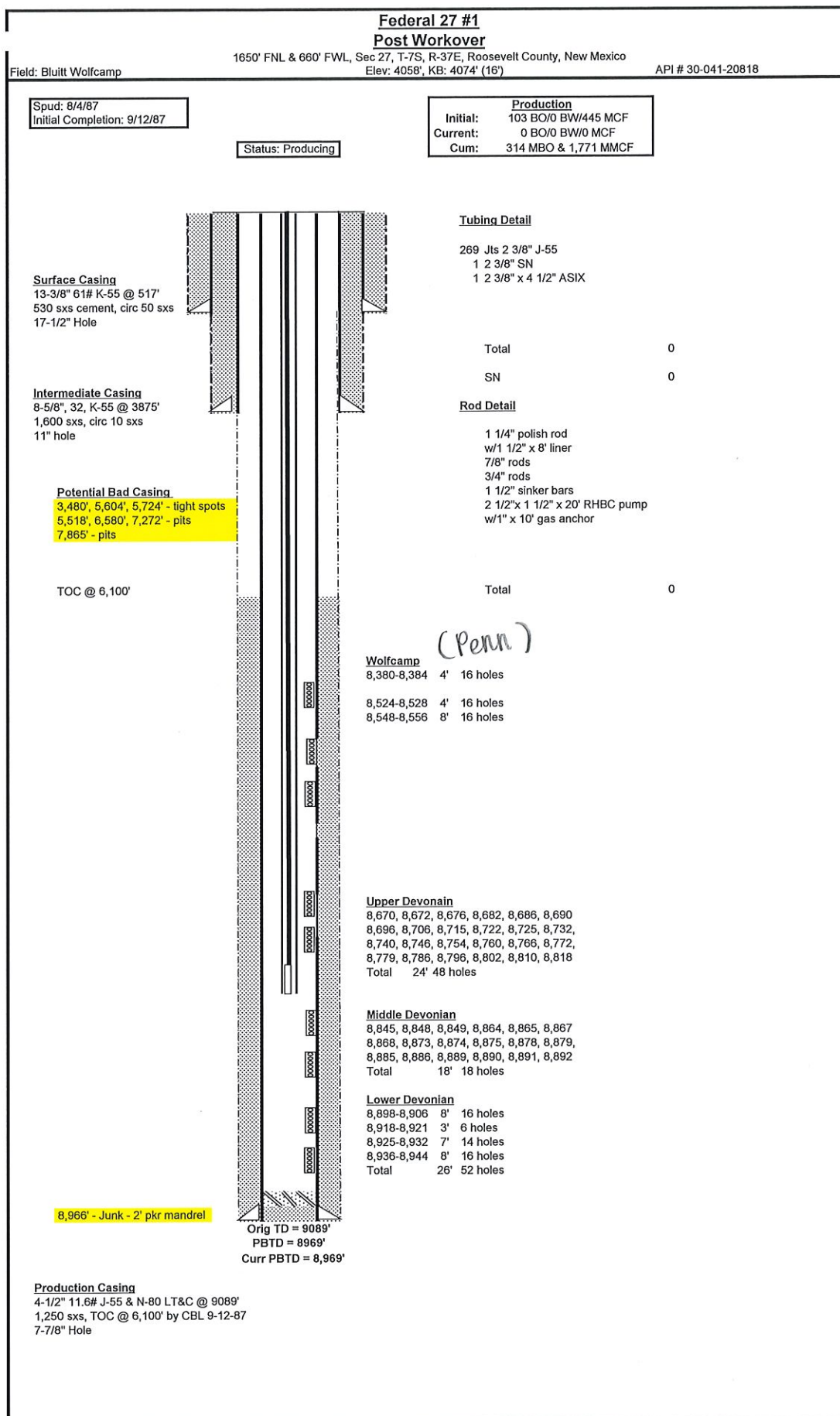
Federal 27 #1

Due to information from previous well production from each zone we would allocate as follows:

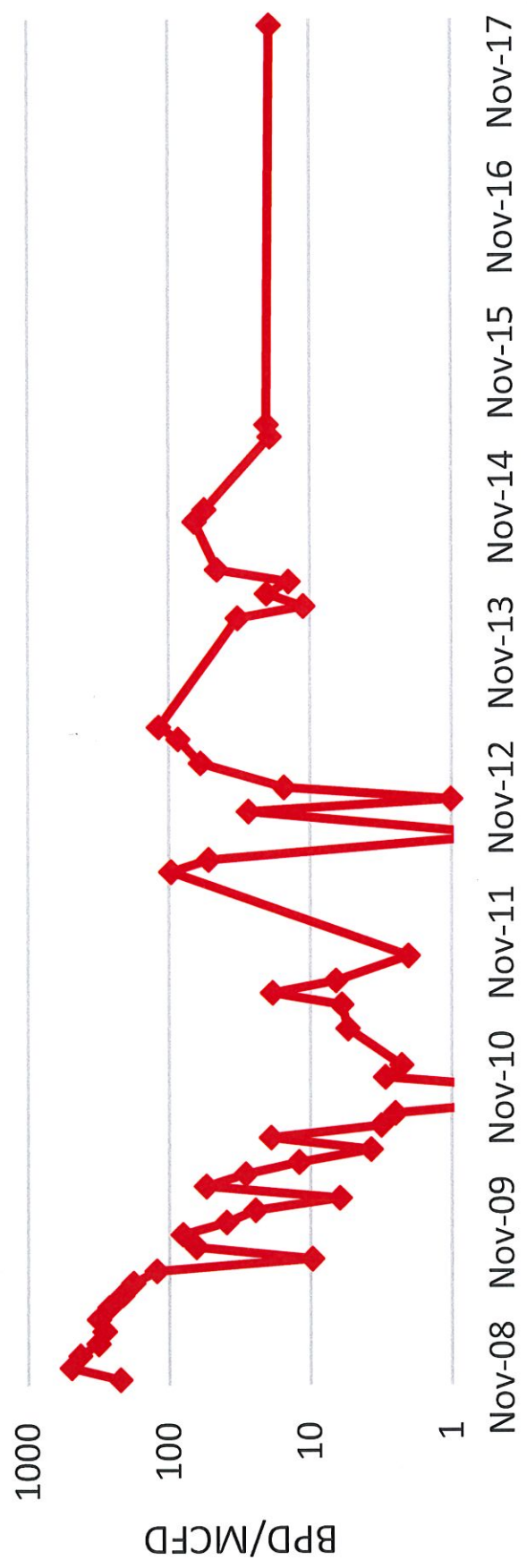
100% oil to Devonian

14% gas to Devonian ; 86% gas to ^{Upper Penn}

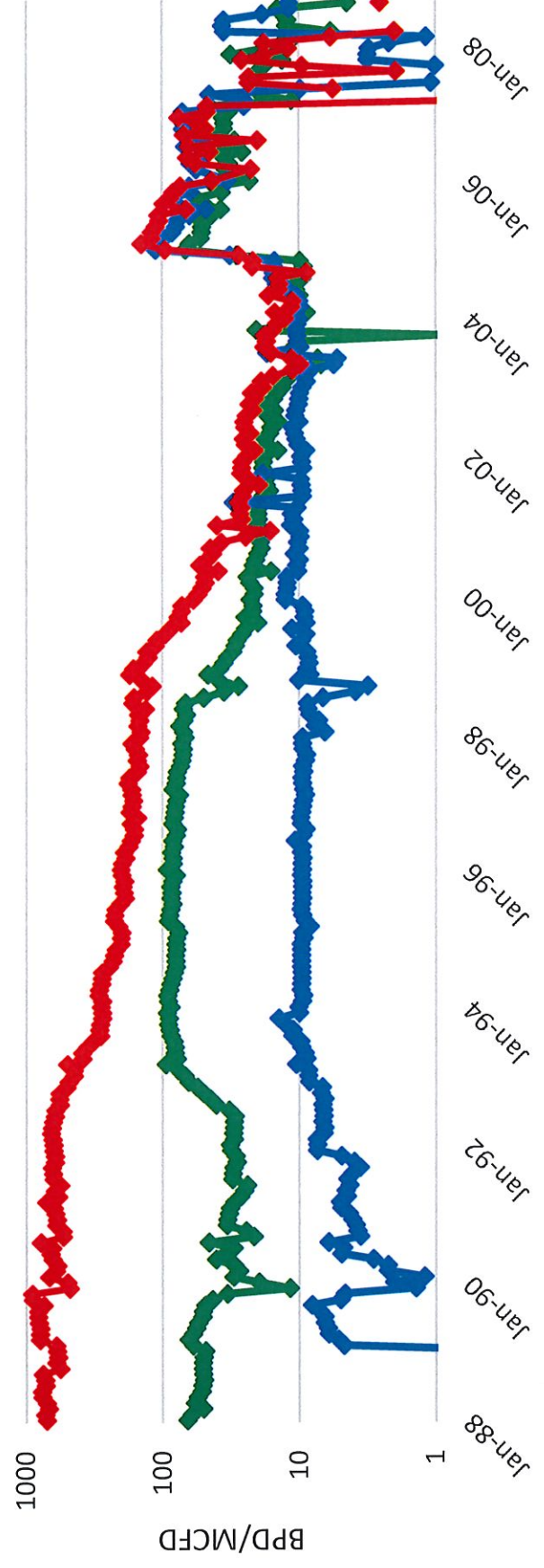




Federal 27-1 Upper Penn Historical Production 2009-2018



Federal 27-1
Devonian - Middle & Lower
Historical Production
1988-2008



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1625 N. French Drive, Hobbs, NM 88240

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811 S. First St., Artesia, NM 88210

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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

P.O. Box 2237 Midland, TX 79702

Form C-107A
Revised August 1, 2011

APPLICATION TYPE
Single Well
Establish Pre-Approved Pools
EXISTING WELLBORE
X Yes No

APPLICATION FOR DOWNHOLE COMMINGLING

H. L. Brown Operating, LLC

Operator
Federal 27

1

Well No.

Address
Unit E, Sec 27, T-7-S R-37-E

County
Roosevelt, NM

Unit Letter-Section-Township-Range

County

OGRID No. 213179

Property Code

API No. 30-041-20818

Lease Type: X

Federal

State

Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Bluitt Upper Penn		Bluitt Devonian
Pool Code			
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	8380' – 8556'		8670' – 8944'
Method of Production (Flowing or Artificial Lift)	Sucker rod lift		Sucker rod lift
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)			
Oil Gravity or Gas BTU (Degree API or Gas BTU)			
Producing, Shut-In or New Zone	S.I.		S.I.
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: 03/31/2018 Rates: 0/0/19	Date: Rates:	Date: 08/31/2008 Rates: 5/12/3
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil 0 % Gas 86 %	Oil % Gas %	Oil 100 % Gas 14 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones?
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?

Are all produced fluids from all commingled zones compatible with each other?

Will commingling decrease the value of production?

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application?

NMOCD Reference Case No. applicable to this well:

Yes X No
Yes No
Yes X No
Yes No X
Yes X No

Attachments:
C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
Production curve for each zone for at least one year. (If not available, attach explanation.)
For zones with no production history, estimated production rates and supporting data.
Data to support allocation method or formula.
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PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

List of other orders approving downhole commingling within the proposed Pre-Approved Pools
List of all operators within the proposed Pre-Approved Pools
Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

DATE

TITLE

Production Analyst

DATE

3-31-2022

TYPE OR PRINT NAME

TELEPHONE NO.

Bailey Aguilar

(432) 688-3722

E-MAIL ADDRESS

baguilar@hblboperating.com

**H.L. Brown Operating, L.L.C.
Post Office Box 2237
Midland, Texas 79702-2237**

May 3, 2022

DHC Application DHC-5193

To whom it may concern,

I have included all necessary information that was requested to process our application. Please note the Upper Pennsylvania is a dry formation only producing gas so oil gravity was not included for that zone. The gravity shown on oil haul tickets from 2021 show that the oil gravity was 39.5 & 40.1 for the Devonian formation at an offset location. Gas samples were also collected from an offset location.

Please let me know if you require any further information.

Thank you,

Bailey Aguilar

H.L. Brown Operating, L.L.C.
P.O. Box 2237
Midland, TX 79702
(432) 688-3722

Revised March 23, 2017

RECEIVED:	REVIEWER:	TYPE:	APP NO:
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Geological & Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Applicant: H. L. Brown Operating, LLC **OGRID Number:** 213179
Well Name: Federal 27 #1 **API:** 30-041-20818
Pool: Devonian **Pool Code:** _____

SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED BELOW

1) TYPE OF APPLICATION: Check those which apply for [A]

A. Location - Spacing Unit - Simultaneous Dedication

☒ NSL ☐ NSP (PROJECT AREA) ☐ NSP (PRORATION UNIT) ☐ SD

B. Check one only for [I] or [II]

[I] Commingling - Storage - Measurement

☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[II] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

2) NOTIFICATION REQUIRED TO: Check those which apply.

- A. ☐ Offset operators or lease holders
 B. ☐ Royalty, overriding royalty owners, revenue owners
 C. ☐ Application requires published notice
 D. ☐ Notification and/or concurrent approval by SLO
 E. ☐ Notification and/or concurrent approval by BLM
 F. ☐ Surface owner
 G. ☐ For all of the above, proof of notification or publication is attached, and/or,
 H. ☒ No notice required

FOR OCD ONLY

- ☐ Notice Complete
☐ Application Content Complete

3) CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Bailey Aguilar

Print or Type Name

5-3-2022

Date

432-683-5216

Phone Number

baguilar@hlboperating.com

e-mail Address

Bailey Aguilar
 Signature

H.L. Brown Operating, L.L.C.
P.O. Box 2237
Midland, Texas 79702-2237

April 21, 2022

State of New Mexico
Energy, Minerals and Natural Resources Department
Attn: Mr. Dean McClure

Re: Downhold Commingle DHC 5193

Hello,

I am sending this as a statement confirming that the ownership in our Federal 27 #1 well (API 31-041-20818) has the identical ownership in both the Penn and Devonian pools/formations that we are applying to commingle.

If you should have any questions, please email me at jwilson@hlboperating.com or call my phone directly at 432-688-3724.

Sincerely,

A handwritten signature in black ink, appearing to read "Julie Wilson", written over a horizontal line.

Julie Wilson, Land Assistant

/jlw

Encls.

Telephone (432) 688-3724

Fax (432) 688-3737

H.L. Brown Operating, L.L.C.
Post Office Box 2237
Midland, Texas 79702-2237

April 28, 2022

Mr. Dean McClure
Petroleum Engineering
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division

Re: Fluid Compatibility
H.L. Brown Operating
Federal 27-1
Downhole Commingling Application DHC-5193

Dear Mr. McClure,

Regarding H.L. Brown's commingling application, DHC-5193, with respect to the compatibility of fluids associated with the commingling of the Penn and Devonian formations, please be advised that there will not be any compatibility issues. The Penn is a dry gas zone and does not produce any oil or water. The Devonian zone produces oil, water, and gas. A water analysis for the Federal 27-6 is attached for your review. The Federal 27-6 is an offset well which produces from the Devonian.

In conjunction, the production optimization plan includes lift equipment capable of maintaining producing bottomhole pressures less than 100 psi. This will ensure that the producing fluid level is well below the Penn completion to prevent potential cross flow and maximize production from both the Wolfcamp and Devonian Completions.

Should you have additional questions, please do not hesitate to contact me at the numbers below.

Sincerely,

A handwritten signature in blue ink, appearing to read "Jeff Ryan", followed by the date "4/28/22".

Jeff Ryan
Operations Manager
H.L. Brown Operating Inc
432-683-5216 – office
432-664-6737 - cell

Telephone (432) 683-5216

300 West Louisiana

Fax (432) 688-3737



Permian Basin Area Laboratory
2101 Market Street,
Midland, Texas 79703

Upstream Chemicals

REPORT DATE: 6/11/2020

COMPLETE WATER ANALYSIS REPORT SSP v.2010 Report Completed With Exception

CUSTOMER: H.L. BROWN OPERATING, L.L.C. ACCOUNT REP: CODY D BOUNDS
DISTRICT: NORTH PERMIAN SAMPLE ID: 202001044964
AREA/LEASE: FEDERAL SAMPLE DATE: 5/28/2020
SAMPLE POINT NAME: FEDERAL 27-6 ANALYSIS DATE: 6/9/2020
SITE TYPE: WELL SITES ANALYST: AT
SAMPLE POINT DESCRIPTION: WELL HEAD

NO PH VALUE GIVEN, UNABLE TO RUN SSP CALCULATIONS.

H.L. BROWN OPERATING, L.L.C., FEDERAL, FEDERAL 27-6

FIELD DATA			ANALYSIS OF SAMPLE					
			ANIONS:	mg/L	meq/L	CATIONS:	mg/L	meq/L
Initial Temperature (°F):	250	Chloride (Cl ⁻):	50902.1	1435.9	Sodium (Na ⁺):	26512.3	1153.7	
Final Temperature (°F):	80	Sulfate (SO ₄ ²⁻):	1106.1	23.0	Potassium (K ⁺):	668.5	17.1	
Initial Pressure (psi):	100	Borate (H ₃ BO ₃):	63.2	1.0	Magnesium (Mg ²⁺):	732.1	60.3	
Final Pressure (psi):	15	Fluoride (F ⁻):	ND		Calcium (Ca ²⁺):	3397.4	169.5	
pH:		Bromide (Br ⁻):	ND		Strontium (Sr ²⁺):	132.3	3.0	
pH at time of sampling:	Needs pH	Nitrite (NO ₂ ⁻):	ND		Barium (Ba ²⁺):	0.7	0.0	
		Nitrate (NO ₃ ⁻):	ND		Iron (Fe ²⁺):	143.3	5.1	
		Phosphate (PO ₄ ³⁻):	ND		Manganese (Mn ²⁺):	3.8	0.1	
		Silica (SiO ₂):	ND		Lead (Pb ²⁺):	ND		
					Zinc (Zn ²⁺):	0.0	0.0	
ALKALINITY BY TITRATION:	mg/L	meq/L			Aluminum (Al ³⁺):	0.0	0.0	
Bicarbonate (HCO ₃ ⁻):	ND				Chromium (Cr ³⁺):	ND		
Carbonate (CO ₃ ²⁻):	ND				Cobalt (Co ²⁺):	ND		
Hydroxide (OH ⁻):	ND				Copper (Cu ²⁺):	0.7	0.0	
aqueous CO ₂ (ppm):	ND	Formic Acid:	ND		Molybdenum (Mo ²⁺):	ND		
aqueous H ₂ S (ppm):	ND	Acetic Acid:	ND		Nickel (Ni ²⁺):	ND		
aqueous O ₂ (ppb):	ND	Propionic Acid:	ND		Tin (Sn ²⁺):	ND		
		Butyric Acid:	ND		Titanium (Ti ²⁺):	ND		
		Valeric Acid:	ND		Vanadium (V ²⁺):	ND		
Calculated TDS (mg/L):	83599				Zirconium (Zr ²⁺):	ND		
Density/Specific Gravity (g/cm ³):	1.0091				Lithium (Li):	14.6		
Measured Specific Gravity	1.0598							
Conductivity (mmhos):	ND				Total Hardness:	11661	N/A	
Resistivity:	ND							
MCF/D:	No Data							
BOPD:	No Data							
BWPD:	No Data							
		Anion/Cation Ratio:		1.04				

ND = Not Determined

SCALE PREDICTIONS BASED ON FIELD PROVIDED DATA; FURTHER MODELING MAY BE REQUIRED FOR VALIDATION OF SCALE PREDICTION RESULTS.

Conditions		Barite (BaSO ₄)		Calcite (CaCO ₃)		Gypsum (CaSO ₄ ·2H ₂ O)		Anhydrite (CaSO ₄)	
Temp	Press.	Index	Amt (ptb)	Index	Amt (ptb)	Index	Amt (ptb)	Index	Amt (ptb)
80°F	15 psi	0.49	2.972	0.02	1.359	-2.22	0.000	-2.47	0.000
99°F	24 psi	0.33	2.244	0.08	6.152	-2.23	0.000	-2.39	0.000
118°F	34 psi	0.21	1.510	0.18	13.086	-2.22	0.000	-2.30	0.000
137°F	43 psi	0.10	0.811	0.30	20.398	-2.20	0.000	-2.19	0.000
156°F	53 psi	0.02	0.182	0.42	27.491	-2.18	0.000	-2.08	0.000
174°F	62 psi	-0.04	0.000	0.55	34.125	-2.15	0.000	-1.95	0.000
193°F	72 psi	-0.09	0.000	0.68	40.204	-2.12	0.000	-1.82	0.000
212°F	81 psi	-0.12	0.000	0.83	46.118	-2.09	0.000	-1.69	0.000
231°F	91 psi	-0.15	0.000	0.99	51.325	-2.05	0.000	-1.55	0.000
250°F	100 psi	-0.16	0.000	1.14	55.882	-2.01	0.000	-1.40	0.000

Conditions		Celestite (SrSO ₄)		Halite (NaCl)		Iron Sulfide (FeS)		Iron Carbonate (FeCO ₃)	
Temp	Press.	Index	Amt (ptb)	Index	Amt (ptb)	Index	Amt (ptb)	Index	Amt (ptb)
80°F	15 psi	-1.25	0.000	-3.08	0.000	1.55	1.906	0.69	28.844
99°F	24 psi	-1.25	0.000	-3.10	0.000	1.51	1.900	0.82	32.658
118°F	34 psi	-1.23	0.000	-3.12	0.000	1.53	1.904	0.97	36.626
137°F	43 psi	-1.21	0.000	-3.12	0.000	1.59	1.912	1.12	40.114
156°F	53 psi	-1.18	0.000	-3.13	0.000	1.66	1.921	1.27	43.017
174°F	62 psi	-1.13	0.000	-3.13	0.000	1.74	1.930	1.42	45.368
193°F	72 psi	-1.08	0.000	-3.12	0.000	1.84	1.938	1.56	47.240
212°F	81 psi	-1.01	0.000	-3.11	0.000	1.96	1.945	1.70	48.831
231°F	91 psi	-0.95	0.000	-3.10	0.000	2.08	1.951	1.84	50.054
250°F	100 psi	-0.87	0.000	-3.09	0.000	2.20	1.956	1.96	50.992

Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered

Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the eight (8) scales.

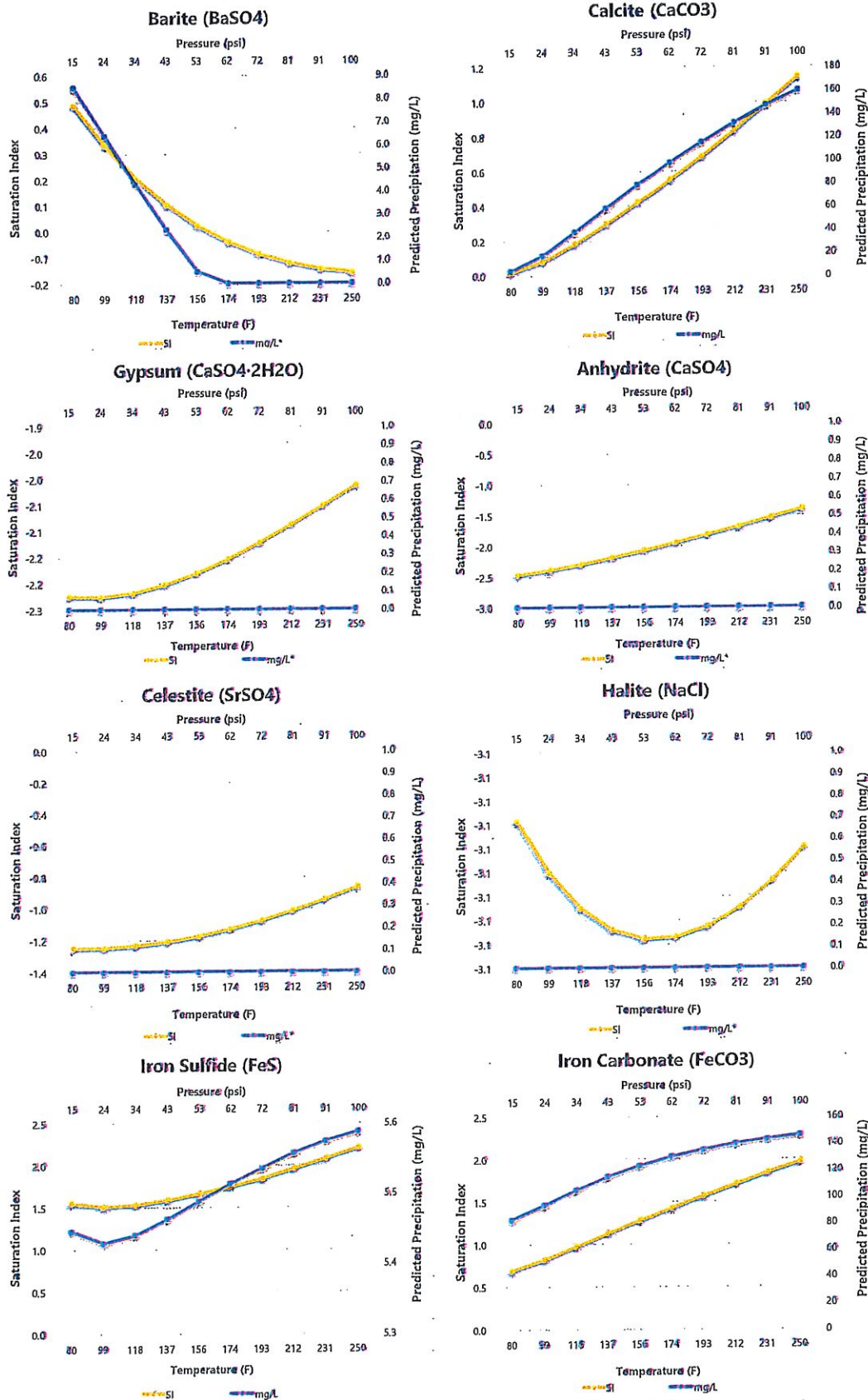
Note 3: Saturation Index predictions on this sheet use pH and alkalinity; %CO₂ is not included in the calculations.

ScaleSoft Filter™
SSP2010

Comments:

NO PH VALUE GIVEN, UNABLE TO RUN SSP CALCULATIONS.

SAMPLE ID: 43979 H.L. BROWN OPERATING, L.L.C., FEDERAL, FEDERAL 27-6



SCALE PREDICTIONS BASED ON FIELD PROVIDED DATA; FURTHER MODELING MAY BE REQUIRED FOR VALIDATION OF SCALE PREDICTION RESULTS.



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

03/01/2022

Well Name: FEDERAL 27 COM	Well Location: T7S / R37E / SEC 27 / SWNW / 33.682058 / -103.147367	County or Parish/State: ROOSEVELT / NM
Well Number: 1	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM54449	Unit or CA Name: FEDERAL 27 COM	Unit or CA Number: NMNM91048
US Well Number: 300412081800S2	Well Status: Producing Oil Well	Operator: H L BROWN OPERATING, LLC

Notice of Intent

Sundry ID: 2659435

Type of Submission: Notice of Intent

Type of Action: Commingling (Subsurface)

Date Sundry Submitted:

4/1/22

Time Sundry Submitted:

Date proposed operation will begin: 03/01/2022

Procedure Description: Downhole commingle existing Penn perforations from 8,380'-8,384' ; 8,542'-8,528' ; 8,548'-8,558' with Devonian perforations from 8,670'-8,818' ; 8,845'-8,892' ; 8,893'-8,944' in order to prevent waste & optimize ultimate recovery from both zones. 1.) POOH w/ production equipment 2.) Drill out CIBP @ 8,538' 3.) Drill out CIBP @ 8,611' 4.) Drill out CIBP @ 8,626' 5.) Drill out CIBP @ 8,840' 6.) Install production equipment 7.) Place on production

Notice to
BLM 4-1-22
BA

N MEXICO OIL CONSERVATION COMMISS
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

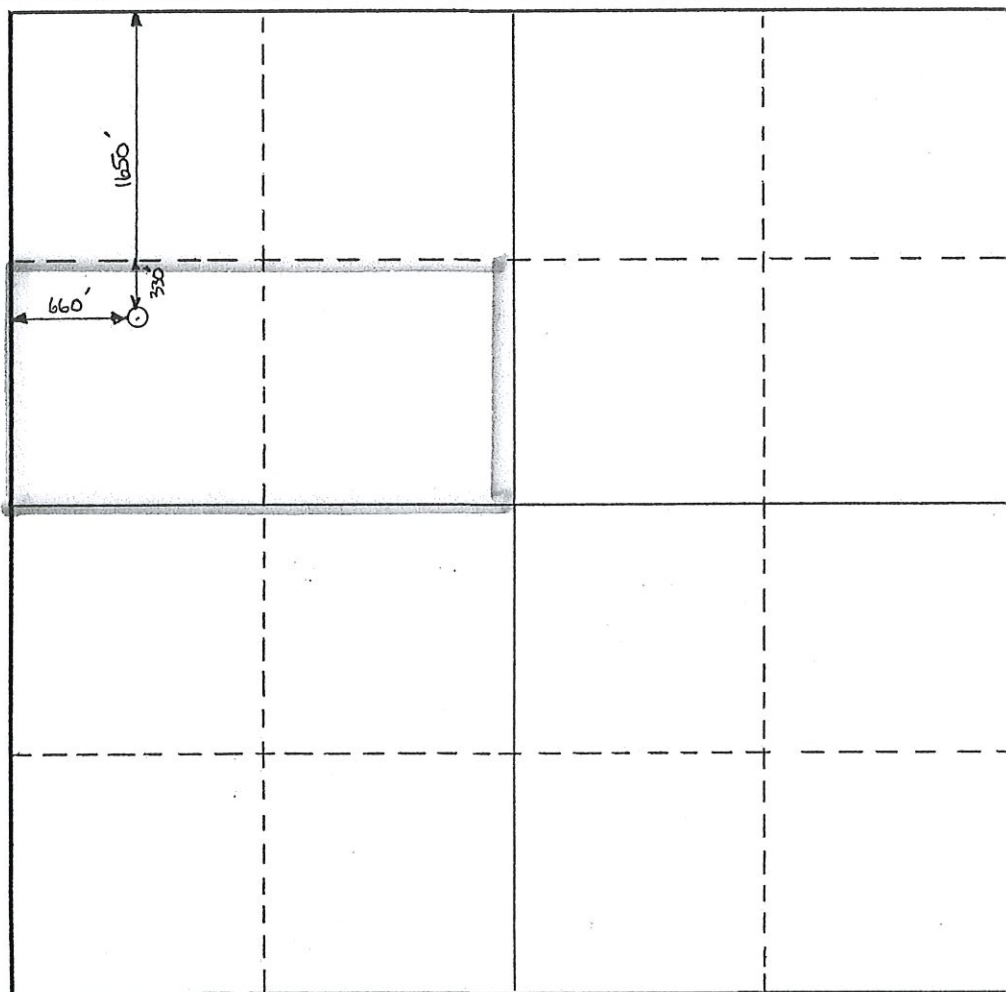
Operator H. L. Brown, Jr.			Lease Federal "27" Com		Well No. 1
Unit Letter E	Section 27	Township 7-S	Range 37-E	County Roosevelt	
Actual Footage Location of Well: 1650 feet from the North line and 660 feet from the South ^{West} line					
Ground Level Elev: 4058.1	Producing Formation Siluro-Devonian	Pool North Bluitt (Siluro-Devonian)		Dedicated Acreage: 80 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation communitization

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name Mike Feagan
Position Production Engineer
Company H. L. Brown, Jr.
Date November 30, 1987

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed 5-18-87
Registered Professional Engineer and/or Land Surveyor
Original signed by John W. West
Certificate No. John West 676
Ronald J. Eidson 3239



District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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 October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-041-20818	² Pool Code 97734	³ Pool Name Bluitt; Upper Penn, North
⁴ Property Code 002265	⁵ Property Name Federal "27" COM	⁶ Well Number 1
⁷ OGRID No. 213179	⁸ Operator Name H.L. Brown Operating, L.L.C.	⁹ Elevation 4058

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
E	27	7-S	37-E		1650		660		Roosevelt

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 320	¹³ Joint or Infill Y	¹⁴ Consolidation Code C	¹⁵ Order No. NSL 2376 NM-061P3587C435
--------------------------------------	------------------------------------	---------------------------------------	---

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.

	<p>¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><u>Carlton Wheeler</u> 6-17-09 Signature Date</p> <p><u>CARLTON WHEELER</u> Printed Name</p>	
	<p>¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p><u>5-18-1984</u> Date of Survey</p> <p>Signature and Seal of Professional Surveyor: <u>Original signed by John W. West</u></p> <p><u>676</u> Certificate Number</p>	


LABORATORY SERVICES
Permanian Gas Analysis
www.permianls.com

575.397.3713 2609 W Marland Hobbs NM 88240

For: American Valve & Meter
 Attention: Jerry Martin
 P. O. Box 166
 Hobbs, New Mexico 88241

Sample: Sta#
 Identification: Federal 27 # 2
 Company: HL Brown
 Lease:
 Plant:

Sample Data: Sample Date: 11/30/2018
 Analysis Date: 12/3/2018
 Sample Temp:
 Sample Press.: 50 PSIA

Sampled by: D Stewart
 Analysis by: T Galvan
 Atmos Temp:
 Sample Time:

H2S = 2 PPM

Press. Base: 14.73

Component Analysis

		Mol Percent	GPM Real	GPM Ideal
Hydrogen Sulfide	H2S			
Nitrogen	N2	7.496		
Methane	C1	67.753		
Carbon Dioxide	CO2	0.239		
Ethane	C2	8.039	2.149	2.144
Propane	C3	5.465	1.505	1.502
I-Butane	IC4	1.148	0.376	0.375
N-Butane	NC4	3.756	1.184	1.181
I-Pentane	IC5	1.458	0.528	0.532
N-Pentane	NC5	1.996	0.866	0.722
Hexanes Plus	C6+	<u>2.650</u>	<u>1.150</u>	<u>1.147</u>
		100.000	7.758	7.603

REAL BTU/CU.FT.

At 14.65	1398.7 Dry
	1375.8 Wet
At 14.696	1403.1 Dry
	1380.1 Wet
At 14.73	1406.4 Dry
	1383.3 Wet

Specific Gravity:

Calculated	(Real)	0.891
	(Ideal)	0.887

Remarks:

Penn /
 Wolfcamp
 Gas



Critical Control Energy Services

Bossier City, Louisiana
1408 Alpine Boulevard
Bossier City, LA 71111

Report Date: Oct 1, 2021 4:33p

Client:	H.L. BROWN	Date Sampled:	Sep 21, 2021
Client Code:	2701	Analysis Date:	Sep 28, 2021
Site:	FEDERAL 27-2	Collected By:	DB
Field:	130 - BLUITT	Date Effective:	Oct 1, 2021 12:00a
Meter:	27-2	Source Pressure (PSI):	50.0
Source Laboratory:	Bossier City, LA	Source Temp (°F):	55
Lab File No:	517326268	Field H2O (lb/MMSCFD):	
Cylinder No:	2575		
Analysis Status:	good		
Sample Type:	Spot		
Measurement Analyst:	Ashley Free		

Component	Mol %	Liquid Recovery GPM
H2S (H2S)	0.0025	0.0000
Nitrogen (N2)	7.7382	0.0000
CO2 (CO2)	3.0463	0.0000
Methane (C1)	68.6319	0.0000
Ethane (C2)	8.5725	2.3474
Propane (C3)	5.9476	1.6778
I-Butane (IC4)	0.8875	0.2974
N-Butane (NC4)	2.6250	0.8474
I-Pentane (IC5)	0.6519	0.2441
N-Pentane (NC5)	0.8174	0.3034
Hexanes Plus (C6+)	1.0792	0.4822
TOTAL	100.0000	6.1997

Analytical Results at Base Conditions (Real)	
BTU/SCF (Dry):	1,228.1085 BTU/ft³
BTU/SCF (Saturated):	1,207.1917 BTU/ft³
PSIA:	14.696 PSI
Temperature (°F):	60.0 °F
Z Factor (Dry):	0.99603
Z Factor (Saturated):	0.99565

Analytical Results at Contract Conditions (Real)	
BTU/SCF (Dry):	1,255.7142 BTU/ft³
BTU/SCF (Saturated):	1,234.8068 BTU/ft³
PSIA:	15.025 PSI
Temperature (°F):	60.0 °F
Z Factor (Dry):	0.99594
Z Factor (Saturated):	0.99566

Calculated Specific Gravities at Contract Conditions	
Ideal Gravity:	0.8227
Real Gravity:	0.8256
Molecular Wt:	23.8271 lb/lbmol

Methods, standards, and uncertainties based on GPA 2261-13.
Analytical Calculations performed in accordance with GPA 2172-09.

Source	Date	Notes
--------	------	-------

Bossier City, LA Sep 28, 2021 12:00 am OVER RANGED STAIN TUBE

Devonian Gas

From: [Bailey Aguilar](#)
To: [McClure, Dean, EMNRD](#)
Subject: RE: [EXTERNAL] DH Commingle App
Date: Wednesday, May 4, 2022 1:05:00 PM
Attachments: [CCF05042022.pdf](#)

Mr McClure,

I have made these changes.
Please let me know if there are any further issues.

Thank you,

Bailey

From: McClure, Dean, EMNRD <Dean.McClure@state.nm.us>
Sent: Wednesday, May 4, 2022 1:42 PM
To: Bailey Aguilar <baguilar@hlboperating.com>
Subject: RE: [EXTERNAL] DH Commingle App

Ms. Aguilar,

Please note that the following pool is on 40 acre spacing:

Pool
Name: BLUITT; UPPER PENNSYLVANIAN, NORTH
Pool ID: 97734

Is it H and L Operating's intent to request a 320 acre spacing unit for this pool? If not please correct the C-102 and resend it to me.

Dean McClure
Petroleum Engineer, Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department
(505) 469-8211

From: Bailey Aguilar <baguilar@hlboperating.com>
Sent: Tuesday, May 3, 2022 2:31 PM
To: McClure, Dean, EMNRD <Dean.McClure@state.nm.us>
Subject: RE: [EXTERNAL] DH Commingle App

Mr. McClure,

My apologies. I have revised all paperwork to reflect what this zone was called.
Please let me know what else you might need from me.

Thank you!!!

Bailey

From: McClure, Dean, EMNRD <Dean.McClure@state.nm.us>
Sent: Tuesday, May 3, 2022 2:50 PM
To: Bailey Aguilar <baguilar@hlboperating.com>
Subject: RE: [EXTERNAL] DH Commingle App

Ms. Aguilar,

It appears that we currently have on file that this well is currently producing from the BLUITT; UPPER PENNSYLVANIAN, NORTH pool (97734). Please amend your packet to include this pool instead of the BLUITT; WOLFCAMP (GAS) pool (72640). As the notice to the BLM references the Pennsylvanian formation instead of Wolfcamp, new notice will not be required.

Dean McClure
Petroleum Engineer, Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department
(505) 469-8211

From: Bailey Aguilar <baguilar@hlboperating.com>
Sent: Tuesday, May 3, 2022 9:28 AM
To: McClure, Dean, EMNRD <Dean.McClure@state.nm.us>
Subject: RE: [EXTERNAL] DH Commingle App

Good morning Mr. McClure,

I have included all necessary information for the application DHC-5193.
Please let me know if I have missed anything.

Thank you,

Bailey

From: McClure, Dean, EMNRD <Dean.McClure@state.nm.us>

Sent: Thursday, April 28, 2022 10:28 AM

To: Bailey Aguilar <baguilar@hlboperating.com>

Cc: Jeff Ryan <JRyan@hlboperating.com>

Subject: RE: [EXTERNAL] DH Commingle App

Hello Ms. Aguilar,

I have not reviewed it yet, but presuming that it is similar in nature to the Federal 21 #2, then you are correct regarding the supplemental documentation. The application seems fine from my side; I'm not entirely sure why it may not be showing up on your side.

Commingle Applications														
Admin	Applicant	OGRID Number	ID	Request Number	Title	API	Allocation	Pending CA	C(4) (g)	Infill	Status	Notes	Date	Folder
DHC-5193	H L Brown Operating, LLC	213179	94724	pDM2210946153	Federal 27 #1	30-041-20818	Fixed Percent				Under Review		3/31/2022	C:\Users\dmccclure\OneDrive - State of New Mexico\NM WORK\DHC\DHC5193

Dean McClure
Petroleum Engineer, Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department
(505) 469-8211

From: Bailey Aguilar <baguilar@hlboperating.com>

Sent: Thursday, April 28, 2022 7:49 AM

To: McClure, Dean, EMNRD <Dean.McClure@state.nm.us>

Cc: Jeff Ryan <JRyan@hlboperating.com>

Subject: [EXTERNAL] DH Commingle App

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good morning Mr. McClure,

H. L. Brown has generated another application to downhole commingle for the Federal 27 #1. The same paperwork you requested will be needed for that one I assume.

Can you please provide me with the downhole commingle permit number so we can expedite this process? I can't seem to locate it on the OCD portal.

Thank you for your help!

Bailey

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

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 October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-041-20818		2 Pool Code 97734		3 Pool Name Bluitt; Upper Penn, North	
4 Property Code 002265		5 Property Name Federal "27" COM			6 Well Number 1
7 OGRID No. 213179		8 Operator Name H.L. Brown Operating, L.L.C.			9 Elevation 4058

10 Surface Location

UL or lot no. E	Section 27	Township 7-S	Range 37-E	Lot Idn	Feet from the 1650	North/South line	Feet from the 660	East/West line	County Roosevelt
--------------------	---------------	-----------------	---------------	---------	-----------------------	------------------	----------------------	----------------	---------------------

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
---------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

12 Dedicated Acres 40	13 Joint or Infill Y	14 Consolidation Code C	15 Order No. NSL 2376 NM-061P3587C435
--------------------------	-------------------------	----------------------------	--

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.

	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <u>Carlton Wheeler</u> 6-17-09 Signature Date <u>CARLTON WHEELER</u> Printed Name	
	18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. <u>5-18-1984</u> Date of Survey Signature and Seal of Professional Surveyor: <u>Original signed by John W. West</u> <u>676</u> Certificate Number	

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

**APPLICATION FOR DOWNHOLE COMMINGLING
SUBMITTED BY H L BROWN OPERATING, LLC**

ORDER NO. DHC-5193

ORDER

The Director of the New Mexico Oil Conservation Division ("OCD"), having considered the application and the recommendation of the Engineering Bureau, issues the following Order.

FINDINGS OF FACT

1. H L Brown Operating, LLC ("Applicant") submitted a complete application ("Application") to downhole commingle the pools described in Exhibit A ("the Pools") within the well bore of the well identified in Exhibit A ("the Well").
2. Applicant proposed a method to allocate the oil and gas production from the Well to each of the Pools that is satisfactory to the OCD and protective of correlative rights.
3. Applicant has certified that all produced fluids from all the Pools are compatible with each other.
4. Applicant has certified that downhole commingling the Pools will not decrease the value of the oil and gas production.
5. To the extent that ownership is identical, Applicant submitted a certification by a licensed attorney or qualified petroleum landman that ownership in the Pools is identical as defined by 19.15.12.7(B) NMAC.
6. To the extent that ownership is diverse, Applicant identified all owners of interest in the Pools, provided evidence a copy of the Application was given to each person, and those persons either submitted a written waiver or did not file an objection to the Application.
7. Applicant provided notice of the Application to the Bureau of Land Management ("BLM") or New Mexico State Land Office ("NMSLO"), as applicable.

CONCLUSIONS OF LAW

8. OCD has jurisdiction to issue this Order pursuant to the Oil and Gas Act, NMSA 1978, Sections 70-2-6, 70-2-11, 70-2-12, 70-2-16, 70-2-17, and 19.15.12 NMAC.
9. The downhole commingling of the Pools is common, or Applicant has provided evidence that the fluids are compatible and will not damage the Pools in accordance with 19.15.12.11(A)(1) NMAC.
10. The bottom perforation of the lower zone is within one hundred fifty percent (150%) of the depth of the top perforation in the upper zone or Applicant has provided evidence that the

proposed commingling of the Pools shall not result in shut-in or flowing well bore pressure in excess of the commingled pool's fracture parting pressure in accordance with 19.15.12.11(A)(3) NMAC.

11. Applicant's proposed method of allocation, as modified herein, complies with 19.15.12.11(A)(8) NMAC.
12. To the extent that ownership is diverse, Applicant identified all owners of interest in the Pools and provided evidence the application was given to those persons in accordance with 19.15.12.11(C)(1)(b) NMAC.
13. By granting the Application with the conditions specified below, this Order prevents waste and protects correlative rights, public health, and the environment.

ORDER

1. Applicant is authorized to downhole commingle the Pools described in Exhibit A within the well bore of the well identified in Exhibit A.
2. Applicant shall allocate a fixed percentage of the oil and gas production from the Well to each of the Pools as described in Exhibit A.
3. If an alteration is made to the Well or a condition within the Well changes which may cause the allocation of production to the Pools as approved within this Order to become inaccurate, then no later than sixty (60) days after that event, Applicant shall submit Form C-103 to the OCD Engineering Bureau describing the event and include a revised allocation plan. If OCD denies the revised allocation plan, this Order shall terminate on the date of such action.
4. If any of the pools being commingled is prorated, or the Well's production has been restricted by an OCD order in any manner, the allocated production from each producing pool in the commingled well bore shall not exceed the top oil or gas allowable rate for a well in that pool or rate restriction applicable to the well.
5. If the Well is deepened, then no later than forty-five (45) days after the Well is deepened, Applicant shall conduct and provide logs to OCD that are sufficient for OCD to determine which pool(s) each new completed interval of the Well will produce from.
6. If the downhole commingling of the Pools reduces the value of the oil and gas production to less than if it had remained segregated, no later than sixty (60) days after the decrease in value has occurred Applicant shall submit a new downhole commingling application to OCD to amend this Order to remove the pool that caused the decrease in value. If Applicant fails to submit a new application, this Order shall terminate on the following day, and if OCD denies the application, this Order shall terminate on the date of such action.
7. If a completed interval of the Well is altered from what is submitted within the Application as identified in Exhibit A, then no later than sixty (60) days after the alteration, Applicant shall submit Form C-103 to the OCD Engineering Bureau detailing the alteration and completed interval.

8. If OCD determines that Applicant has failed to comply with any provision of this Order, OCD may take any action authorized by the Oil and Gas Act or the New Mexico Administrative Code (NMAC).
9. OCD retains jurisdiction of this matter and reserves the right to modify or revoke this Order as it deems necessary.

**STATE OF NEW MEXICO
OIL CONSERVATION DIVISION**



**ADRIENNE E. SANDOVAL
DIRECTOR**

DATE: 5/09/2022

State of New Mexico
Energy, Minerals and Natural Resources Department

Exhibit A

Order: **DHC-5193**

Operator: **H L Brown Operating, LLC (213179)**

Well Name: **Federal 27 Com #1**

Well API: **30-041-20818**

Upper Zone	Pool Name: BLUITT; UPPER PENNSYLVANIAN, NORTH		
	Pool ID: 97734	Current: X	New:
	Allocation: Fixed Percent	Oil: 0%	Gas: 86%
	Interval: Perforations	Top: 8,380	Bottom: 8,556
Intermediate Zone	Pool Name:		
	Pool ID:	Current:	New:
	Allocation:	Oil:	Gas:
	Interval:	Top:	Bottom:
Bottom of Interval within 150% of Upper Zone's Top of Interval:			
Lower Zone	Pool Name: BLUITT; SILURO DEVONIAN, NORTH		
	Pool ID: 6910	Current:	New: X
	Allocation: Fixed Percent	Oil: 100%	Gas: 14%
	Interval: Perforations	Top: 8,670	Bottom: 8,944
Bottom of Interval within 150% of Upper Zone's Top of Interval: YES			

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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 94724

CONDITIONS

Operator: H L BROWN OPERATING, LLC P.O. Box 2237 Midland, TX 79702	OGRID: 213179
	Action Number: 94724
	Action Type: [C-107] Down Hole Commingle (C-107A)

CONDITIONS

Created By	Condition	Condition Date
dmcclure	Please review the content of the order to ensure you are familiar with the authorities granted and any conditions of approval. If you have any questions regarding this matter, please contact me.	5/9/2022