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Hilcorp Energy Company PRODUCTION ALLOCATION FORM Commingle Type SURFACE  DOWNHOLE  Type of Completion NEW DRILL  RECOMPLETION  PAYADD  COMMINGLE					] ] ] [ [ [ ] ] ] ] ] ] ] ] ] ] ] ] ] ]	Distribution: BLM / NMOCD Original Accounting Well File Revised: September 25, 2019 Status PRELIMINARY S FINAL S REVISED S Date: 10/7/22 API No. 30-039-30048 DHC No. DHC-5220 Lease No. NMSF080430
Well Name San Juan 2	8-6 Unit					Well No. <b>211F</b>
Unit Letter L		Township 28N	Range 6W	Footage 1465' FSL & 1300' FWL		County, State Rio Arriba, New Mexico
Completion Date       Test Method         10/1/22       HISTORICAL       FIELD TEST       PROJECTED       OTHER         JUSTIFICATION OF ALLOCATION: Hilcorp requests that production for the downhole comming allocated using the subtraction method in agreement with local agencies. The base formation is the I and the added formation to be commingled is the Mesaverde. The subtraction method applies an ave monthly production forecast to the base formation(s) using historic production. All production from exceeding the forecast will be allocated to the new formation(s). After 3 years production will stability production average will be gathered during the 4 <sup>th</sup> year and will be utilized to create a fixed percentage allocation.         Oil production will be allocated based on average formation yields from offset wells and will be a fix for 4 years. MV 97%, DK 3%         After 4 years oil will be reevaluated and adjust as needed based on average formation yields and new					whole commingle be formation is the Dakota d applies an average production from this well ction will stabilize. A a fixed percentage based and will be a fixed rate	
NAME DATE			TITLE		PHONE	
X Kandís Roland 10/7/2022			Operations/Regulatory Tecl	<u>h – Sr.</u>	713-757-5246	

Dean R Millure 10/25/2022

Cerver Fy WCD: S0/25/2022 10:21:41 AM U.S. Department of the Interior BUREAU OF LAND MANAGEMENT		Sundry Print Report 10/18/2022
Well Name: SAN JUAN 28-6 UNIT	Well Location: T28N / R6W / SEC 8 / NWSW / 36.672519 / -107.494994	County or Parish/State: RIO ARRIBA / NM
Well Number: 211F	<b>Type of Well:</b> CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF080430	<b>Unit or CA Name:</b> SAN JUAN 28-6 UNITDK	Unit or CA Number: NMNM78412C
US Well Number: 3003930048	Well Status: Producing Gas Well	<b>Operator:</b> HILCORP ENERGY COMPANY

# **Notice of Intent**

Sundry ID: 2697066 Type of Submission: Notice of Intent Date Sundry Submitted: 10/07/2022

Date proposed operation will begin: 10/01/2022

Type of Action: Commingling (Subsurface) Time Sundry Submitted: 12:26

Procedure Description: Please see attached production allocation.

# **NOI Attachments**

#### **Procedure Description**

SJ\_28\_6\_Unit\_211F\_Preliminary\_Subtraction\_Allocation\_20221007122606.pdf

Received by OCD: 10/25/2022 10:21:41-4M Well Name: SAN JUAN 28-6 UNIT	Well Location: T28N / R6W / SEC 8 / NWSW / 36.672519 / -107.494994	County or Parish/State: Rive 3 of 12 ARRIBA / NM
Well Number: 211F	<b>Type of Well:</b> CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF080430	<b>Unit or CA Name:</b> SAN JUAN 28-6 UNITDK	Unit or CA Number: NMNM78412C
US Well Number: 3003930048	Well Status: Producing Gas Well	<b>Operator:</b> HILCORP ENERGY COMPANY

#### Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

**Operator Electronic Signature: KANDIS ROLAND** 

Name: HILCORP ENERGY COMPANY

Title: Operation Regulatory Tech

Street Address: 382 Road 3100

City: Farmington

State: NM

State:

Phone: (505) 599-3400

Email address: kroland@hilcorp.com

# **Field**

Representative Name: Street Address: City: Phone: Email address:

**BLM Point of Contact** 

BLM POC Name: KENNETH G RENNICK BLM POC Phone: 5055647742 Disposition: Approved Signature: Kenneth Rennick BLM POC Title: Petroleum Engineer BLM POC Email Address: krennick@blm.gov

Zip:

Signed on: OCT 07, 2022 12:26 PM

Disposition Date: 10/18/2022

Released to Imaging: 10/25/2022 10:22:51 AM

Date

Oct-22

Nov-22

Dec-22

Jan-23

Feb-23

Mar-23

Apr-23 May-23 77.1

# San Juan 28-6 Unit 211F Subtraction Allocation

### Mcfd Gas Allocation:

83.1 Production for the downhole commingle will be allocated using the subtraction method in agreement
81.7 with local agencies. The base formation is the Dakota and the added formation to be commingled is
80.4 the Mesaverde. The subtraction method applies an average monthly production forecast to the base
79.2 formation using historic production. All production from this well exceeding the forecast will be
78.2 allocated to the new formation.

76.2 After 3 years production will stabilize. A production average will be gathered during the 4<sup>th</sup> year and
75.3 will be utilized to create a fixed percentage based allocation.



### Received by OCD: 10/25/2022 10:21:41 AM

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1,000 2,000 Feet SAN JUAN 29-7 UN 074 3.04 SAN JUAN 29-7 UN 068A 4.56 SAN JUAN 29-7 UN 068 4.23 SAN JUAN 29-7 UN 068 4.23	SAN JUAN 29-6 UN 005/ 2.21 SAN JUAN 29-6 UN 063C 3.25 N JUAN 29-7 UN 055 9 SAN JUAN 29-7 UN 055A 4.36 SAN JUAN 28-6 UN 012	3.10 SAN J SAN SAN SAN SAN SAN SAN SAN SAN	SAN JUA JUAN 29-6 UN 0638 3.55 SAN JUAN 29-6 UN 0708 3.15 SAN JUAN 29-6 UN 0 2.15 IUAN 29-6 UN 063A SAN JUAN 29-6 UN 016A 2.87 SAN 30 30 30 30 30 30 30 30 30 30 30 30 30	70 SAN 3.00 SAN JUAN 2.38 3.39 JUAN 29-6 U 3.39 JUAN 29-6 SAN JUA 3.59	00000000000000000000000000000000000000	58 MESAVERD 0.0-0.3 0.3 - 0.5 0.5 - 0.0 1.0-1.3 1.3-1.5 1.5-1.8 1.8-2.0 2.0-2.3 2.3-2.5 2.5-2.8 3.0-3.3 3.3-3.5 3.5-3.8 3.8-4.0 4.3-4.5 4.5-4.8 4.8-5.0 5.5-5.8 5.8-6.0
1,000 2,000 Feet SAN JUAN 29-7 UN 074 3.04 SÂN JUAN 29-7 UN 069A 4.56 SAN JUAN 29-7 UN 069 4.23 SAN JUAN 29-7 UN 068 4.23	SAN JUAN 29-6 UN 005/ 2.21 SAN JUAN 29-6 UN 063C 3.25 N JUAN 29-7 UN 055 SAN JUAN 29-7 UN 055A 4.36 SAN JUAN 29-7 UN 055A 4.36	3.10 IN 005 SAN J SAN SAN SAN SAN SAN SAN SAN SAN	SAN JUA JUAN 29-6 UN 0638 3.55 SAN JUAN 29-6 UN 0708 3.15 SAN JUAN 29-6 UN 0 2.15 IUAN 29-6 UN 063A SAN JU JUAN 29-6 UN 016A 2.87 SAN 300 2016 SAN 2.87 SAN 300 2016 SAN 300 2	70 SAN 3.06 SAN JUAN 2.38 IAN 29-6 UI 3.39 JUAN 29-6 UI SAN JUA JAN 28-6 UI SAI 3.2	0011 0 0 0 070C SAN JUAN 29-5 SAN JUAN 29-5 UN 058C 3 SAN JUAN 29-5 UN 068C 3 SAN JUAN 29-5 UN 068A 1 025C SAN JUAN 29-5 UN 025B SAN JUAN 2 SAN JUAN 2 N 193A N 104N 28-5 UN 055 6	58 MESAVERD 0.0-0.3 0.5 - 0.0 0.8-1.0 1.0-1.3 1.3-1.5 2.3-2.5 2.5-2.8 2.3-2.5 2.5-2.8 3.3-3.3 3.3-3.5 3.5-3.8 3.8-4.0 4.0-4.3 4.3-4.5 5.5-5.8 5.5-5.8 5.8-6.0 6.0-6.3 5.8-6.0
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1,000 2,000 Feet	SAN JUAN 29-6 UN 005/ 2.21 SAN JUAN 29-6 UN 063C 3.25 N JUAN 29-7 UN 055 SAN JUAN 29-7 UN 055A 4.36 SAN JUAN 29-7 UN 055A 4.36 SAN JUAN 28-6 UN 012 2.77 SAN JUAN 28-6 UN 012	3.10 IN 005 SAN J SAN SAN SAN JUAN 2 SAN JUAN 3 SAN JUAN 3	SAN JUA JUAN 29-6 UN 0638 3.55 SAN JUAN 29-6 UN 0708 3.15 SAN JUAN 29-6 UN 0 2.15 IUAN 29-6 UN 063A JUAN 29-6 UN 063A SAN JU JUAN 29-6 UN 016A 2.87 SAN 9 SAN JU JUAN 29-6 UN 016A 2.87 SAN 9 SAN JUAN 29-6 UN 016A 3.5 SAN JUAN 29-6 UN 016A 5.26	70 SAN 3.00 SAN JUAN 2.38 JUAN 29-6 UI SAN JUA 3.59 JUAN 29-6 UI SAN JUA 3.20 SAN JUA	070C SAN JUAN 29- SAN JUAN 29-6 UN 058C 2.34 SAN JUAN 29-6 UN 068C 3 SAN JUAN 29-6 UN 068C 3 SAN JUAN 29-6 UN 068A 1 025C SAN JUAN 2 0 25C SAN	58 MESAVERD 0.0-0.3 0.3 - 0.5 - 0.6 0.8 - 1.0 1.0-1.3 1.3-1.5 1.5-1.8 1.8-2.0 2.0-2.3 2.3-2.5 3.5-3.8 3.3-3.5 3.3-3.5 3.3-3.8 3.8-4.0 4.0-4.3 3.3-3.5 5.5-5.8 5.5.5.8 5.5.5.8 5.5.5.8 5.5.5.8 5.5.5.8 5.5.5.
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1,000 2,000 Feet SAN JUAN 29-7 UN 074 3.04 SAN JUAN 29-7 UN 069A 4.58 SAN JUAN 29-7 UN 068 4.23 SAN JUAN 29-7 UN 068 4.23 SAN JUAN 29-7 UN 068 3.5 SAN JUAN 28-7 UN 055E 5.89 SAN JUAN 28-7 UN 055E 5.89 SAN JUAN 28-7 UN 055E 5.89	SAN JUAN 29-6 UN 005/ 2.21 SAN JUAN 29-6 UN 063C 3.25 N JUAN 29-7 UN 055 SAN JUAN 29-7 UN 055A 4.36 SAN JUAN 29-7 UN 055A 4.36 SAN JUAN 28-6 UN 012 2.77 SAN JUAN 28-6 UN 012	3.10 IN 005 SAN J SAN SAN SAN JUAN 2 SAN JUAN 3 SAN JUAN 3	SAN JUAN JUAN 29-6 UN 0638 3.55 SAN JUAN 29-6 UN 0708 3.15 SAN JUAN 29-6 UN 0 2.15 IUAN 29-6 UN 063A JUAN 29-6 UN 016A 2.87 SAN JUAN 29-6 UN 016A 2.87 SAN JUAN 29-6 UN 016A 2.87 SAN JUAN 29-6 UN 016A 2.87 SAN JUAN 29-6 UN 016A 3.55 SAN JUAN 28-6 UN 013 1002 SAN JUAN 28 SAN JUAN 28 SAN JUAN 28 SAN JUAN 28 SAN JUAN 28 SAN JUAN 28 SAN JUAN 28	70 SAN 3.00 SAN JUAN 2.38 JUAN 29-6 UI SAN JUA 3.59 JUAN 29-6 UI SAN JUA 3.20 SAN JUA	00000000000000000000000000000000000000	58 MESAVERD 0.0-0.3 0.3-0.5 0.5-0.6 0.8-10 1.0-1.3 1.3-1.5 1.5-1.8 1.8-2.0 2.0-2.3 2.2-2.5 2.5-2.8 3.3-3.3 3.3-3.3 3.3-3.3 3.3-3.3 3.3-3.3 5.3-5.5 5.5-5.8 5.5-5.8 5.5-5.8 5.5-5.8 6.3-6.5 5.5-5.8 6.3-6.5 5.5-5.8 6.3-6.5 5.5-5.8 6.3-6.5 5.5-5.8 6.3-6.5 5.5-5.8 6.3-6.5 5.5-5.8 6.3-6.5 5.5-5.8 6.3-6.5 5.5-5.8 6.3-6.5 5.5-5.8 6.3-6.5 5.5-5.8 6.3-6.5 7.7-7.3 7.3-7.5 7.5-7.8 8.0-8.3 0.8 0.8 0.8 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7
1,000 2,000 Feet SAN JUAN 29-7 UN 074 3.04 SAN JUAN 29-7 UN 069A 4.58 SAN JUAN 29-7 UN 068 4.23 SAN JUAN 29-7 UN 068 4.23 SAN JUAN 29-7 UN 068 3.5 SAN JUAN 28-7 UN 055E 5.89 SAN JUAN 28-7 UN 055E 5.89 SAN JUAN 28-7 UN 055E 5.89	SAN JUAN 29-6 UN 005/ 2.21 SAN JUAN 29-6 UN 063C 3.25 N JUAN 29-7 UN 055 SAN JUAN 29-7 UN 055A 4.36 SAN JUAN 29-7 UN 055A 4.36 SAN JUAN 28-6 UN 012 2.77 SAN JUAN 28-6 UN 012	3.10 IN 005 SAN J SAN SAN SAN JUAN 2 SAN JUAN 3 SAN JUAN 3	SAN JUAN JUAN 29-6 UN 0638 3.55 SAN JUAN 29-6 UN 0708 3.15 SAN JUAN 29-6 UN 0 2.15 IUAN 29-6 UN 063A JUAN 29-6 UN 063A SAN JUAN 29-6 UN 016A 2.87 SAN JUAN 29-6 UN 016A 2.87 SAN JUAN 29-6 UN 016A 2.87 SAN JUAN 29-6 UN 016A 3.52 SAN JUAN 26 SAN JUAN 26	70 SAN 3.00 SAN JUAN 2.38 JUAN 29-6 UI SAN JUA 3.59 JUAN 29-6 UI SAN JUA 3.20 SAN JUA	00100 SAN JUAN 29-6 UN 058 2.34 SAN JUAN 29-6 UN 058 3.8 JUAN 29-6 UN 068C 3.8 JUAN 29-6 UN 068C 3.8 JUAN 29-6 UN 068A 1.025C SAN JUAN 29-6 UN 025B SAN JUAN 25B SAN JUAN 28-6 UN 055 6 N 28-6 UN 055A 5.18 SAN JUAN 28-6 UN 055 6 SAN JUAN 28-6 UN 055 5 3.18 SAN JUAN 28-6 UN 055 5 5 5 5 5 5 5 5 5 5 5 5	58 MESAVERD 0.0-0.3 0.5 - 0.6 0.8 - 10. 1.0-13 1.3-15 1.5-18 1.8-20 2.0-2.3 2.3-2.5 3.5-3.8 3.3-3.5 3.3-3.5 3.3-3.5 3.3-3.8 3.8-4.0 3.0-3.3 3.3-3.5 5.5-5.8
1,000 2,000 Feet SAN JUAN 29-7 UN 074 3.04 SAN JUAN 29-7 UN 069A 4.58 SAN JUAN 29-7 UN 068 4.23 SAN JUAN 29-7 UN 068 4.23 SAN JUAN 29-7 UN 068 3.5 SAN JUAN 28-7 UN 055E 5.89 SAN JUAN 28-7 UN 055E 5.89 SAN JUAN 28-7 UN 055E 5.89	SAN JUAN 29-6 UN 005/ 2.21 SAN JUAN 29-6 UN 063C 3.25 N JUAN 29-7 UN 055 9 SAN JUAN 29-7 UN 055A 4.36 SAN JUAN 29-7 UN 055A 3.83	3.10 IN 005 SAN J SAN SAN SAN JUAN 2 SAN JUAN 3 SAN JUAN 3	SAN JUAN JUAN 29-6 UN 0638 3.15 SAN JUAN 29-6 UN 0708 3.15 SAN JUAN 29-6 UN 0708 2.15 JUAN 29-6 UN 063A JUAN 29-6 UN 016A 2.87 SAN JUAN 29-6 UN 012A SAN JUAN 28-6 UN 013 002 SAN JUAN 28-6 UN 013	70 SAN 3.00 SAN JUAN 2.38 JUAN 29-6 UI SAN JUA 3.59 JUAN 29-6 UI SAN JUA 3.20 SAN JUA	00110000000000000000000000000000000000	58 MESAVERD 0.3-0.4 0.5-0.6 0.8-1.0 1.0-1.3 1.3-1.5 1.5-1.8 1.8-2.0 2.0-2.3 2.3-2.5 2.5-2.8 2.8-3.0 3.0-3.3 3.3-3.5 3.3-3.5 3.3-3.8 3.8-4.0 4.0-4.3 3.3-3.5 5.5-5.8 5.5-7.8
1,000 2,000 Feet SAN JUAN 29-7 UN 074 3.04 SAN JUAN 29-7 UN 069A 4.58 SAN JUAN 29-7 UN 068 4.23 SAN JUAN 29-7 UN 068 4.23 SAN JUAN 29-7 UN 068 3.5 SAN JUAN 28-7 UN 055E 5.89 SAN JUAN 28-7 UN 055E 5.89 SAN JUAN 28-7 UN 055E 5.89	SAN JUAN 29-6 UN 005/ 2.21 SAN JUAN 29-6 UN 063C 3.25 N JUAN 29-7 UN 055 SAN JUAN 29-7 UN 055A 4.36 SAN JUAN 29-7 UN 055A 4.36 SAN JUAN 28-6 UN 012 2.77 SAN JUAN 28-6 UN 012 SAN JUAN 28-6 UN 028	3.10 IN 005 SAN J SAN SAN SAN JUAN 2 SAN JUAN 3 SAN JUAN 3	SAN JUAN JUAN 29-6 UN 0638 3.15 SAN JUAN 29-6 UN 0708 3.15 IUAN 29-6 UN 063A JUAN 29-6 UN 016A 2.87 SAN JUAN 29-6 UN 016A 2.87 SAN JUAN 28-6 UN 013 002 SAN JUAN 28-6 UN 014	70 SAN 3.00 SAN JUAN 2.38 JUAN 29-6 UI SAN JUA 3.59 JUAN 29-6 UI SAN JUA 3.20 SAN JUA	00110000000000000000000000000000000000	58 MESAVERD 0.0-0.3 0.5 - 0.6 0.8 - 10. 1.0-13 1.3-15 1.5-18 1.8-20 2.0-2.3 2.3-2.5 3.5-3.8 3.3-3.5 3.3-3.5 3.3-3.5 3.3-3.8 3.8-4.0 3.0-3.3 3.3-3.5 5.5-5.8
1,000 2,000 Feet SAN JUAN 29-7 UN 074 3.04 SAN JUAN 29-7 UN 069A 4.58 SAN JUAN 29-7 UN 068 4.23 SAN JUAN 29-7 UN 068 4.23 SAN JUAN 29-7 UN 068 3.5 SAN JUAN 28-7 UN 055E 5.89 SAN JUAN 28-7 UN 055E 5.89 SAN JUAN 28-7 UN 055E 5.89	SAN JUAN 29-6 UN 005/ 2.21 SAN JUAN 29-6 UN 063C 3.25 N JUAN 29-7 UN 055 9 SAN JUAN 29-7 UN 055A 4.36 SAN JUAN 29-7 UN 055A 3.83	3.10 IN 005 SAN J SAN SAN SAN JUAN 2 SAN JUAN 3 SAN JUAN 3	SAN JUAN JUAN 29-6 UN 0638 3.15 SAN JUAN 29-6 UN 0708 3.15 SAN JUAN 29-6 UN 0708 2.15 JUAN 29-6 UN 063A JUAN 29-6 UN 016A 2.87 SAN JUAN 29-6 UN 012A SAN JUAN 28-6 UN 013 002 SAN JUAN 28-6 UN 013	70 SAN 3.00 SAN JUAN 2.38 JUAN 29-6 UI SAN JUA 3.59 JUAN 29-6 UI SAN JUA 3.20 SAN JUA	0011 0 0 0 070C SAN JUAN 29- SAN JUAN 29-6 UN 058 3 SAN JUAN 29-6 UN 068C 3 SAN JUAN 29-6 UN 068C 3 SAN JUAN 29-6 UN 068C 3 SAN JUAN 29-6 UN 068C SAN JUAN 29-6 UN 025B SAN JUAN 28-6 UN 055A 5 SAN JUAN 28-6 UN 055	58 MESAVERD 0.0-0.3 0.3-0.3 0.5-0.4 0.5-0.4 1.0-1.3 1.3-1.5 1.5-1.8 1.3-1.5 2.0-2.3 2.2-2.3 2.2-2.5 2.5-2.8 2.8-3.0 3.0-3.3 3.3-3.5 5.3-3.8 3.8-4.0 4.0-4.3 3.3-3.5 5.5-5.8 5.8-6.0 5.0-5.3 5.3-5.5 5.5-5.5 6.5-6.8 6.3-6.5 5.5-5.5 6.5-6.8 6.3-6.5 5.5-5.5 6.5-6.8 6.3-6.5 5.5-5.5 7.7-7.8 7.8-7.0 8.0-8.3 8.3-8.5 8.5-8.8 8.8-9.0 9.3-9.5 9.3-9.5 9.3-9.5 1.5-7.7 1.5-7.8
1,000 2,000 Feet SAN JUAN 29-7 UN 074 3.04 SAN JUAN 29-7 UN 069A 4.58 SAN JUAN 29-7 UN 068 4.23 SAN JUAN 29-7 UN 068 4.23 SAN JUAN 29-7 UN 068 3.5 SAN JUAN 28-7 UN 055E 5.89 SAN JUAN 28-7 UN 055E 5.89 SAN JUAN 28-7 UN 055E 5.89	SAN JUAN 29-6 UN 005/ 2.21 SAN JUAN 29-6 UN 063C 3.25 N JUAN 29-7 UN 055 SAN JUAN 29-7 UN 055A 4.36 SAN JUAN 29-7 UN 055A 4.36 SAN JUAN 28-6 UN 012 3.83 SAN JUAN 28-6 UN 028 3.59	3.10 IN 005 SAN J. SAN SAN SAN SAN SAN SAN JUAN 22 SAN JUAN 28-6 UN	SAN JUAN 29-6 UN 0638 3.15 SAN JUAN 29-6 UN 0708 3.15 SAN JUAN 29-6 UN 0708 2.15 JUAN 29-6 UN 063A SAN JUAN 29-6 UN 016A 2.87 SAN JUAN 29-6 UN 016A 2.87 SAN JUAN 28-6 UN 013 1002 SAN JUAN 28-6 UN 014 1.34	70 SAN 3.00 SAN JUAN 2.38 JUAN 29-6 UN 3.39 JUAN 29-6 UN 3.59 JAN 28-6 UN SAN 3.20 SAN JUA	00110000000000000000000000000000000000	58 MESAVERD 0.0-0.3 0.3 - 0.3 0.5 - 0.4 1.0-1.3 1.3-1.5 1.5-1.8 1.8-2.0 2.0-2.3 2.3-2.5 2.5-2.8 2.8-3.0 3.0-3.3 3.3-3.5 3.5-3.8 3.8-4.0 4.3-4.5 4.5-4.8 4.8-4.5 5.5-5.8 5.5-5.8 5.5-5.8 5.5-5.8 5.8-6.0 6.0-6.3 6.3-6.5 6.3-6.5 7.7-7.8 7.8-8.0 8.0-8.3 8.3-8.5 8.5-8.8 8.8-8.9 9.9-9.3 9.5-9.8 5.9-5.8 8.5-8.8 8.8-8.9 9.9-9.3 9.5-9.8 5.9-5.8 8.5-8.8 8.8-8.9 9.9-9.3 9.5-9.8 5.9-5.8 5.8-8.8 8.8-8.9 9.9-9.3 9.5-9.8 5.8-5.8 5.8-5.8 5.8-8.8 5.8-8.9 5.8
1,000 2,000 Feet SAN JUAN 29-7 UN 074 3.04 SAN JUAN 29-7 UN 069A 4.58 SAN JUAN 29-7 UN 068 4.23 SAN JUAN 29-7 UN 068 4.23 SAN JUAN 29-7 UN 068 3.5 SAN JUAN 28-7 UN 055E 5.89 SAN JUAN 28-7 UN 055E 5.89 SAN JUAN 28-7 UN 055E 5.89	SAN JUAN 29-6 UN 005/ 2.21 SAN JUAN 29-6 UN 063C 3.25 N JUAN 29-7 UN 055 SAN JUAN 29-7 UN 055A 4.36 SAN JUAN 29-7 UN 055A 4.36 SAN JUAN 28-6 UN 012 3.59 SAN JUAN 28-6 UN 028 3.59 SAN JUAN 28-6 UN 028 3.59	3.10 IN 005 SAN J SAN SAN SAN JUAN 22 SAN JUAN 22	SAN JUAN 29-6 UN 0638 3.15 SAN JUAN 29-6 UN 0708 3.15 SAN JUAN 29-6 UN 0708 3.15 JUAN 29-6 UN 063A SAN JUAN 29-6 UN 016A 2.87 SAN JUAN 29-6 UN 016A 2.87 SAN JUAN 28-6 UN 013 002 SAN JUAN 28-6 UN 014 1.34 SAN JUAN 28-6 UN 014 1.34	70 SAN 3.00 SAN JUAN 2.38 JUAN 29-6 UN 3.39 JUAN 29-6 UN 3.59 JAN 28-6 UN SAN 3.20 SAN JUA	0011 0 0 0 070C SAN JUAN 29- SAN JUAN 29-6 UN 058 3 SAN JUAN 29-6 UN 068C 3 SAN JUAN 29-6 UN 068C 3 SAN JUAN 29-6 UN 068C 3 SAN JUAN 29-6 UN 068C SAN JUAN 29-6 UN 025B SAN JUAN 28-6 UN 055A 5 SAN JUAN 28-6 UN 055	58 MESAVERD 0.0-0.3 0.3 - 0.1 0.5 - 0.4 0.5 - 0.4 1.0-1.3 1.3-1.5 1.5-1.8 1.3-1.5 2.0-2.3 2.2-2.3 2.2-2.5 2.5-2.8 2.8-3.0 3.0-3.3 3.3-3.5 5.3-3.8 3.8-4.0 4.0-4.3 3.3-3.5 5.5-5.8 5.5-5.8 5.5-5.5 5.5-5.5 5.5-5.5 6.5-6.8 6.3-6.5 5.5-5.5 6.5-6.8 6.3-6.5 5.5-5.5 6.5-6.8 6.3-6.5 5.5-5.5 7.7-7.8 7.8-8.0 8.0-8.3 8.3-8.5 8.5-8.8 8.8-8.0 8.8-8.3 8.3-8.5 8.5-8.8 8.8-8.0 9.3-9.5 7.5-7.8 8.5-8.8 8.8-8.0 9.3-9.5 7.5-7.8 8.5-8.8 8.8-8.0 9.3-9.5 7.5-7.8 8.5-8.8 8.8-8.0 9.3-9.5 7.5-7.8 8.5-8.8 8.8-8.0 9.3-9.5 7.5-7.8 8.5-8.8 8.8-8.0 9.3-9.5 7.5-7.8 8.5-8.8 8.8-8.0 9.3-9.5 7.5-7.8 8.5-8.8 8.8-8.0 9.3-9.5 7.5-7.8 8.5-8.8 7.8-8.0 9.3-9.5 7.5-7.8 8.5-8.8 7.8-8.0 9.3-9.5 7.5-7.8 8.5-8.8 7.8-8.0 9.3-9.5 7.5-7.8 8.5-8.8 7.8-8.0 9.3-9.5 7.5-7.8 8.5-8.8 9.8-9.0 9.3-9.5 7.5-7.8 8.5-8.8 9.8-9.0 9.3-9.5 7.5-7.8 8.5-8.8 9.8-9.0 9.3-9.5 7.5-7.8 8.5-8.8 8.8-8.0 9.3-9.5 7.5-7.8 8.5-8.8 8.8-8.0 9.3-9.5 7.5-7.8 8.5-8.8 8.8-8.0 9.3-9.5 7.5-7.8 8.5-8.8 8.8-8.0 9.3-9.5 7.5-7.8 8.5-8.8 8.8-8.0 9.3-9.5 7.5-7.8 8.5-8.8 7.8-8.0 9.3-9.5 7.5-7.8 7
1,000 2,000 Feet SAN JUAN 29-7 UN 074 3.04 SAN JUAN 29-7 UN 069A 4.58 SAN JUAN 29-7 UN 068 4.23 SAN JUAN 29-7 UN 068 4.23 SAN JUAN 29-7 UN 068 3.5 SAN JUAN 28-7 UN 055E 5.89 SAN JUAN 28-7 UN 055E 5.89 SAN JUAN 28-7 UN 055E 5.89	SAN JUAN 29-6 UN 005/ 2.21 SAN JUAN 29-6 UN 063C 3.25 N JUAN 29-7 UN 055 SAN JUAN 29-7 UN 055A 4.36 SAN JUAN 29-7 UN 055A 4.36 SAN JUAN 28-6 UN 012 3.83 SAN JUAN 28-6 UN 028 3.59	3.10 IN 005 SAN J SAN SAN SAN JUAN 22 SAN JUAN 22	SAN JUAN 29-6 UN 0638 3.15 SAN JUAN 29-6 UN 0708 3.15 SAN JUAN 29-6 UN 0708 2.15 JUAN 29-6 UN 063A SAN JUAN 29-6 UN 016A 2.87 SAN JUAN 29-6 UN 016A 2.87 SAN JUAN 28-6 UN 013 1002 SAN JUAN 28-6 UN 014 1.34	70 SAN 3.00 SAN JUAN 2.38 JUAN 29-6 UN 3.39 JUAN 29-6 UN 3.59 JAN 28-6 UN SAN 3.20 SAN JUA	00000000000000000000000000000000000000	58 MESAVERD 0.0-0.3 0.3 - 0.3 0.5 - 0.4 1.0-1.3 1.3-1.5 1.5-1.8 1.8-2.0 2.0-2.3 2.3-2.5 2.5-2.8 2.8-3.0 3.0-3.3 3.3-3.5 3.5-3.8 3.8-4.0 4.3-4.5 4.5-4.8 4.8-4.5 5.5-5.8 5.5-5.8 5.5-5.8 5.5-5.8 5.8-6.0 6.0-6.3 6.3-6.5 6.3-6.5 7.7-7.8 7.8-8.0 8.0-8.3 8.3-8.5 8.5-8.8 8.8-8.9 9.9-9.3 9.5-9.8 5.9-5.8 8.5-8.8 8.8-8.9 9.9-9.3 9.5-9.8 5.9-5.8 8.5-8.8 8.8-8.9 9.9-9.3 9.5-9.8 5.9-5.8 5.8-8.8 8.8-8.9 9.9-9.3 9.5-9.8 5.8-5.8 5.8-5.8 5.8-8.8 5.8-8.9 5.8
1,000 2,000 Feet SAN JUAN 29-7 UN 074 3.04 SAN JUAN 29-7 UN 069A 4.58 SAN JUAN 29-7 UN 068 4.23 SAN JUAN 29-7 UN 068 4.23 SAN JUAN 29-7 UN 068 3.5 SAN JUAN 28-7 UN 055E 5.89 SAN JUAN 28-7 UN 055E 5.89 SAN JUAN 28-7 UN 055E 5.89	SAN JUAN 29-6 UN 005/ 2.21 SAN JUAN 29-6 UN 063C 3.25 N JUAN 29-7 UN 055 SAN JUAN 29-7 UN 055A 4.36 SAN JUAN 29-7 UN 055A 4.36 SAN JUAN 28-6 UN 012 3.59 SAN JUAN 28-6 UN 028 3.59 SAN JUAN 28-6 UN 028 3.59	3.10 IN 005 SAN J SAN SAN SAN JUAN 22 SAN JUAN 22	SAN JUAN JUAN 29-6 UN 0638 3.15 SAN JUAN 29-6 UN 0708 3.15 IUAN 29-6 UN 063A SAN JUAN 29-6 UN 016A 2.87 SAN JUAN 29-6 UN 016A 2.87 SAN JUAN 29-6 UN 016A 2.87 SAN JUAN 28-6 UN 013 1002 SAN JUAN 28-6 UN 014 1.34 SAN JUAN 28-6 UN 014 1.34	70 SAN 3.00 SAN JUAN 2.38 JUAN 29-6 UN 3.39 JUAN 29-6 SAN JUA 3.59 JAN 20-6 UN SAN JUA 3.2 SAN JUA	00000000000000000000000000000000000000	58 MESAVERD 0.0-0.3 0.3 - 0.3 0.5 - 0.4 1.0-1.3 1.3-1.5 1.5-1.8 1.8-2.0 2.0-2.3 2.3-2.5 2.5-2.8 2.8-3.0 3.0-3.3 3.3-3.5 3.5-3.8 3.8-4.0 4.3-4.5 4.5-4.8 4.8-4.5 5.5-5.8 5.5-5.8 5.5-5.8 5.5-5.8 5.8-6.0 6.0-6.3 6.3-6.5 6.3-6.5 7.7-7.8 7.8-8.0 8.0-8.3 8.3-8.5 8.5-8.8 8.8-8.9 9.9-9.3 9.5-9.8 5.9-5.8 8.5-8.8 8.8-8.9 9.9-9.3 9.5-9.8 5.9-5.8 8.5-8.8 8.8-8.9 9.9-9.3 9.5-9.8 5.9-5.8 5.8-8.8 8.8-8.9 9.9-9.3 9.5-9.8 5.8-5.8 5.8-5.8 5.8-8.8 5.8-8.9 5.8
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Released to Imaging: 10/25/2022 10:22:51 AM

From:	Ray Brandhurst
То:	McClure, Dean, EMNRD; Kandis Roland
Cc:	Mandi Walker
Subject:	RE: [EXTERNAL] Filed Production Allocations
Date:	Monday, October 24, 2022 10:48:19 AM

Hey Dean, that is correct!

Thanks,

Ray Brandhurst, P.E. San Juan East Reservoir Engineer Hilcorp Energy Company 713-757-5224 office 713-476-2843 cell

From: McClure, Dean, EMNRD <Dean.McClure@emnrd.nm.gov>
Sent: Monday, October 24, 2022 11:41 AM
To: Ray Brandhurst <rbrandhurst@hilcorp.com>; Kandis Roland <kroland@hilcorp.com>
Cc: Mandi Walker <mwalker@hilcorp.com>
Subject: RE: [EXTERNAL] Filed Production Allocations

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Is this the case for each of the following 3 proposed modified allocations?

3003908141	San Juan 28-6 unit 99N	RC	149277
3003930048	San Juan 28-6 Unit 211F	RC	151538
3003920106	San Juan 28-5 Unit 77	RC	151474

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

From: Ray Brandhurst <rbrandhurst@hilcorp.com>
Sent: Monday, October 24, 2022 10:04 AM
To: McClure, Dean, EMNRD <<u>Dean.McClure@emnrd.nm.gov</u>>; Kandis Roland
<kroland@hilcorp.com>
Cc: Mandi Walker <<u>mwalker@hilcorp.com</u>>
Subject: RE: [EXTERNAL] Filed Production Allocations

Good morning Dean,

That is exactly right, we adjusted the forecasts to better honor the rates we observed post-job.

Thanks,

Ray Brandhurst, P.E. San Juan East Reservoir Engineer Hilcorp Energy Company 713-757-5224 office 713-476-2843 cell

From: McClure, Dean, EMNRD <<u>Dean.McClure@emnrd.nm.gov</u>>
Sent: Monday, October 24, 2022 9:46 AM
To: Kandis Roland <<u>kroland@hilcorp.com</u>>; Ray Brandhurst <<u>rbrandhurst@hilcorp.com</u>>
Cc: Mandi Walker <<u>mwalker@hilcorp.com</u>>
Subject: RE: [EXTERNAL] Filed Production Allocations

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Ray,

It appears that the estimated reserves have changed on the last 3 of the 4 wells listed below. I'm presuming that perhaps once the well was bought into production, its behavior deviated from projections and led to the recalculation that resulted in this new proposed allocation, but am looking to have that confirmed. I only need a high level statement regarding the reason for the allocation change rather than anything in depth.

Please reference each of the wells below for which the statement you provide is for.

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

From: Kandis Roland <kroland@hilcorp.com>
Sent: Monday, October 24, 2022 8:39 AM
To: Ray Brandhurst <rbrandhurst@hilcorp.com>; McClure, Dean, EMNRD
<Dean.McClure@emnrd.nm.gov>
Cc: Mandi Walker <mwalker@hilcorp.com>; Kandis Roland <kroland@hilcorp.com>

#### Subject: FW: [EXTERNAL] Filed Production Allocations

Ray,

Please see Dean's email below. Please send him the requested information.

Thanks,

Kandis Roland HILCORP ENERGY San Juan East/South Regulatory 713.757.5246 <u>kroland@hilcorp.com</u>

From: McClure, Dean, EMNRD <<u>Dean.McClure@emnrd.nm.gov</u>>
Sent: Monday, October 24, 2022 8:58 AM
To: Kandis Roland <<u>kroland@hilcorp.com</u>>
Cc: kandisrae@msn.com; Mandi Walker <<u>mwalker@hilcorp.com</u>>
Subject: RE: [EXTERNAL] Filed Production Allocations

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Kandis,

Reviewing the proposed amended allocation for the San Juan 28-6 Unit #99N (30-039-08141) submitted under Action ID: 149277; it looks like the new fixed percentage for oil is due to a drastic change in estimated remaining reserves for the Dakota formation from what was submitted in the original application. Please provide a very brief description for this change. An example being that perhaps new data has been gathered and the calculated reserves was adjusted accordingly or perhaps a typo was made in the original application.

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

From: Kandis Roland <kroland@hilcorp.com>
Sent: Tuesday, October 18, 2022 8:25 AM
To: McClure, Dean, EMNRD <<u>Dean.McClure@emnrd.nm.gov</u>>
Cc: kandisrae@msn.com; Mandi Walker <<u>mwalker@hilcorp.com</u>>
Subject: [EXTERNAL] Filed Production Allocations

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

#### links or opening attachments.

Dean,

The following recomplete production allocations has been submitted to NMOCD. Please see action ID numbers below.

			Action
API	Well Name	Туре	ID
3003930043	San Juan 28-6 Unit 168E	RC	149255
3003908141	San Juan 28-6 unit 99N	RC	149277
3003930048	San Juan 28-6 Unit 211F	RC	151538
3003920106	San Juan 28-5 Unit 77	RC	151474

Thanks,

Kandis Roland HILCORP ENERGY San Juan East/South Regulatory 713.757.5246 <u>kroland@hilcorp.com</u>

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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

Page 11 of 12 COMMENTS

Action 153371

COMMENTS OGRID: Operator: HILCORP ENERGY COMPANY 372171 1111 Travis Street Action Number: Houston, TX 77002 153371 Action Type: [IM-SD] Admin Order Support Doc (ENG) (IM-AAO)

#### COMMENTS

Created By	Comment	Comment Date
dmcclure	Approved under Action ID: 151538	10/25/2022

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

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

CONDITIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	153371
	Action Type:
	[IM-SD] Admin Order Support Doc (ENG) (IM-AAO)
	-

#### CONDITIONS

Created By Condition dmcclure None

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Action 153371

Condition Date

10/25/2022