Sundry Print Report

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

Well Number: 145E

Well Name: GALLEGOS CANYON Well Location: T29N / R12W / SEC 26 /

UNIT NWNW / 36.70255 / -108.07375

County or Parish/State: SAN JUAN / NM

Allottee or Tribe Name:

NW / 36.70255 / -108.07375 JUAN / N

Type of Well: CONVENTIONAL GAS

WELL

Lease Number: NMSF079907 Unit or CA Name: GCU DK 892000844F Unit or CA Number:

NMNM78391C

US Well Number: 3004524291 Operator: SIMCOE LLC

# **Subsequent Report**

**Sundry ID: 2828190** 

Type of Submission: Subsequent Report

Type of Action: Workover Operations

Date Sundry Submitted: 12/18/2024 Time Sundry Submitted: 01:30

**Date Operation Actually Began:** 11/26/2024

Actual Procedure: null

# **SR Attachments**

## **Actual Procedure**

RE\_\_\_EXTERNAL\_\_GCU\_145E\_\_3004524291\_\_\_\_Plan\_to\_Squeeze\_20241218133001.pdf

GCU\_145E\_12.18.24\_20241218132929.pdf

GCU\_145E\_SR\_20241218132917.pdf

well Name: GALLEGOS CANYON

UNIT

Well Location: T29N / R12W / SEC 26 / NWNW / 36.70255 / -108.07375

County or Parish/State: SAN

JUAN / NM

Well Number: 145E

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/FII

Allottee or Tribe Name:

Unit or CA Name: GCU DK 892000844F Unit or CA Number:

NMNM78391C

**US Well Number: 3004524291** 

Lease Number: NMSF079907

**Operator: SIMCOE LLC** 

# **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: CHRISTY KOST Signed on: DEC 18, 2024 01:30 PM

Name: SIMCOE LLC

Title: Permitting Agent

Street Address: 1199 MAIN AVE STE 101

City: DURANGO State: CO

Phone: (719) 251-7733

Email address: CHRISTY.KOST@IKAVENERGY.COM

# **Field**

**Representative Name:** 

**Street Address:** 

City: State: Zip:

Phone:

Email address:

# **BLM Point of Contact**

**BLM POC Name:** MATTHEW H KADE **BLM POC Title:** Petroleum Engineer

BLM POC Phone: 5055647736 BLM POC Email Address: MKADE@BLM.GOV

Disposition: Accepted Disposition Date: 12/19/2024

Signature: Matthew Kade

Page 2 of 2

From: <u>Kuehling, Monica, EMNRD</u>

To: <u>Kade, Matthew H</u>; <u>Joseph Schnitzler</u>

Cc: Smith, Clarence, EMNRD; Rennick, Kenneth G

Subject: RE: [EXTERNAL] GCU 145E (3004524291) - Plan to Squeeze

Date: Wednesday, December 4, 2024 2:26:17 PM

## NMOCD approves below

## Thank you

Monica Kuehling Compliance Officer Supervisor Deputy Oil and Gas Inspector New Mexico Oil Conservation Division North District

Cell Phone: 505-320-0243

Email - monica.kuehling@emnrd.nm.gov

From: Kade, Matthew H < mkade@blm.gov>

**Sent:** Wednesday, December 4, 2024 2:24 PM

**To:** Joseph Schnitzler <joseph.schnitzler@ikavenergy.com>; Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>

**Cc:** Smith, Clarence, EMNRD <Clarence.Smith@emnrd.nm.gov>; Rennick, Kenneth G <krennick@blm.gov>

Subject: Re: [EXTERNAL] GCU 145E (3004524291) - Plan to Squeeze

The BLM approves of moving forward with the plan.

Regards,

#### Matthew Kade

Petroleum Engineer BLM - Farmington Field Office 6251 College Blvd Farmington, NM 87402 Office: (505) 564-7736

**From:** Joseph Schnitzler < <u>ioseph.schnitzler@ikavenergy.com</u>>

Sent: Wednesday, December 4, 2024 2:19 PM

**To:** Kade, Matthew H < <u>mkade@blm.gov</u>>; Kuehling, Monica, EMNRD

<monica.kuehling@emnrd.nm.gov>

**Cc:** Smith, Clarence, EMNRD < <u>Clarence.Smith@emnrd.nm.gov</u>> **Subject:** RE: [EXTERNAL] GCU 145E (3004524291) - Plan to Squeeze

After some more testing and diagnostic work, we have determined that the only casing that is leaking is the previous squeeze holes from years ago. This is our proposed squeeze plan

- 1. RIH packer and set 1 joint from surface.
- 2. Establish circulation w/ water down tubing and up the bradenhead.
- 3. Pump Class G cement down tubing and up the bradenhead until we get returns to surface
- 4. Displace cement below packer and above leak.
- 5. Leave pressure on the well overnight.
- 6. POOH packer next day, drill out cement and pressure test.

Joey Schnitzler – Production Engineer

IKAV Energy Inc.

Phone: (281) 743-7504

Email: joseph.schnitzler@ikavenergy.com



From: Kade, Matthew H < mkade@blm.gov > Sent: Tuesday, December 3, 2024 8:33 AM

**To:** Kuehling, Monica, EMNRD < <u>monica.kuehling@emnrd.nm.gov</u>>; Joseph Schnitzler

<ioseph.schnitzler@ikavenergy.com>

**Cc:** Smith, Clarence, EMNRD < <u>Clarence.Smith@emnrd.nm.gov</u>> **Subject:** Re: [EXTERNAL] GCU 145E (3004524291) - Plan to Squeeze

The BLM approves of the plan

Thanks,

#### Matthew Kade

Petroleum Engineer BLM - Farmington Field Office 6251 College Blvd Farmington, NM 87402 Office: (505) 564-7736

From: Kuehling, Monica, EMNRD < monica.kuehling@emnrd.nm.gov >

Sent: Tuesday, December 3, 2024 8:27 AM

**To:** Joseph Schnitzler <<u>joseph.schnitzler@ikavenergy.com</u>>; Kade, Matthew H <<u>mkade@blm.gov</u>>

**Cc:** Smith, Clarence, EMNRD < <u>Clarence.Smith@emnrd.nm.gov</u>> **Subject:** RE: [EXTERNAL] GCU 145E (3004524291) - Plan to Squeeze

NMOCD approves below with prior approval from the BLM. Once cement is drilled out an MIT is required from 5942 to surface

## Thank you

Monica Kuehling Compliance Officer Supervisor Deputy Oil and Gas Inspector New Mexico Oil Conservation Division North District

Cell Phone: 505-320-0243

Email - monica.kuehling@emnrd.nm.gov

From: Joseph Schnitzler < ioseph.schnitzler@ikavenergy.com >

Sent: Tuesday, December 3, 2024 8:21 AM

To: Kuehling, Monica, EMNRD < monica.kuehling@emnrd.nm.gov >; Kade, Matthew H

<mkade@blm.gov>

**Cc:** Smith, Clarence, EMNRD < <u>Clarence.Smith@emnrd.nm.gov</u>> **Subject:** RE: [EXTERNAL] GCU 145E (3004524291) - Plan to Squeeze

We plan on using Class G

Joey Schnitzler – Production Engineer

IKAV Energy Inc.

Phone: (281) 743-7504

Email: joseph.schnitzler@ikavenergy.com



From: Kuehling, Monica, EMNRD < monica.kuehling@emnrd.nm.gov >

**Sent:** Tuesday, December 3, 2024 8:20 AM

**To:** Joseph Schnitzler <<u>joseph.schnitzler@ikavenergy.com</u>>; Kade, Matthew H <<u>mkade@blm.gov</u>>

**Cc:** Smith, Clarence, EMNRD < <u>Clarence.Smith@emnrd.nm.gov</u>> **Subject:** RE: [EXTERNAL] GCU 145E (3004524291) - Plan to Squeeze

What type of cement is being used

**From:** Joseph Schnitzler < joseph.schnitzler@ikavenergy.com >

Sent: Tuesday, December 3, 2024 7:56 AM

**To:** Kade, Matthew H < <u>mkade@blm.gov</u>>; Kuehling, Monica, EMNRD

<monica.kuehling@emnrd.nm.gov>

Subject: [EXTERNAL] GCU 145E (3004524291) - Plan to Squeeze

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

Good Morning Matt and Monica

We are currently rigged up on the GCU 145E for the bradenhead repair. We set a RBP at 5942' (50' above the perfs) and determined that our casing is good below 325' from surface. We still have to find the top of our bad casing, but it is no lower than 262'. We have the top of the Kirtland at 393' and the top of the Ojo Alamo at 333'. We would like to propose the following. Please let me know your thoughts on this plan and if you're good with it

- 1. Pull RBP and set new CIBP at ~415' to isolate lower squeeze holes from previous job.
- 2. PU packer and identify top of bad casing.
- 3. Set CICR above top of bad casing.
- 4. RIH tubing and stinger, squeeze cement behind pipe and circulate to surface (we have circulation up the bradenhead).
- 5. Pump cement below CR and inside casing, sting out and cover CR with cement.

https://ocdimage.emnrd.nm.gov/Imaging/FileStore/santafe/wf/20241125/30045242910000 11 25 2024 01 56 18.pdf

Joey Schnitzler – Production Engineer IKAV Energy Inc.

Phone: (281) 743-7504

Email: joseph.schnitzler@ikavenergv.com



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## Gallegos Canyon Unit 145E

Dakota API # 30-045-24291 T-29N, R-12-W, Sec. 26 San Juan County, New Mexico

#### **History**

Spud Date: 5/10/1980 Completion Date: 6/17/1980

11/16/01: Bradenhead repair. Perfed 430-431'.

Pumped 100 sx Class G cmt.

Perfed 300-301'. Pumped 200 sx Class G.

Cement did not circulate.

11/18/2010: Wireline: Retrieved plunger & slip stop @ 5700' Impression block tagged fill at 6142'. 1.91"

broach tagged at 5725', 'stuck'. Stuck at every collar to 5530'. Set new slip stop at 5530'. 1.75" impression block tagged at 5530'. Looks like trash in hole.

11/19/2010: Wireline: Ran impression blcok to 5725'. Did not tag at 5530'. 1.91" gauge ring tagged at 5530'. Beat all the way down to 6035'. Set new slip stop at 6000'.

Picked up a piece of junk in last wireline run. Had to beat it back down to bottom to set stop.

6/7/2011: Wirelined to retrieve stuck plunger. Tagged fluid at 5720'. Retrieved plunger and stop. Tagged fill at 6042'. No tight spots seen. Set new stop at 6028'. 12/2024: Bradenhead repair. Circulated cement to surface

through old squeeze holes

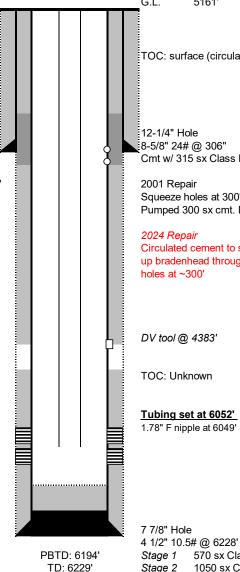
## **Dakota Perforations**

5992-6006 6074-6114'

Fraced w/ 42,000 gals frac fluid & 131,000# 20/40 snd

#### **Formation Tops**

Ojo Alamo	333
Kirtland	393
Fruitland	973
PC	1493
Chacra	2593
Mesaverde	3056
Gallup	5116
Manco Sh	5474
Greenhorn	5884



G.L. 5161'

TOC: surface (circulated)

12-1/4" Hole 8-5/8" 24# @ 306" Cmt w/ 315 sx Class B

Squeeze holes at 300' and 430'. Pumped 300 sx cmt. Did not circulate.

#### 2024 Repair

Circulated cement to surface up bradenhead through old squeeze holes at ~300'

DV tool @ 4383'

TOC: Unknown

## Tubing set at 6052'

1.78" F nipple at 6049'

570 sx Class B

Stage 2 1050 sx Class B

#### GCU 145E - 3004524291

#### **SEC 26 T29N R12W**

#### SAN JUAN COUNTY NM

11/26/24 – Casing 127 psi, Bradenhead 104 psi. MIRU service rig. NDWH, NUBOP. POOH 2 3/8" production tubing.

11/27/24 – Casing 125 psi, Bradenhead 125 psi. Round tripped casing scraper. RIH 4.5" RBP, set at 5942'. Loaded casing w/ fluid. Pressure tested to 500 psi, lost 200 psi instantly. Able to pump into casing leak at 200 psi at 0.5 BPM.

12/2/24 – Casing 0 psi, Bradenhead 0 psi. Ran CBL from 5942' to surface. RIH packer and set at 1020'. Pressure tested below to 550 psi, held good. Set packer at 452', pressure tested below to 635 psi, held good. Set packer at 388', pressure tested below to 545 psi, held good. Set packer at 325', pressure tested below to 595 psi, held good. Set packer at 290', pressure tested above to 490 psi, lost 20 psi/min. Set packer at 262', pressure tested above and lost 20 psi/min. Pressure tested below and established circulation up the bradenhead. POOH packer.

12/3/24 – Casing 0 psi, Bradenhead 0 psi. RIH to retrieve RBP, POOH. Didn't have RBP on tubing string. Ran back in, engaged RBP at 4300'. POOH RBP. RIH, set CIBP at 412'. RIH packer to 198', unable to set. POOH packer. RIH new packer, set at 198'. Pressure tested casing above, failed. Set packer at 135'. Pressure tested casing above, failed. Set packer at 72'. Pressure tested casing above, failed.

12/4/24 – Casing 0 psi, Bradenhead 0 psi. RU WL. RIH caliper log from 412' to surface. RD WL. Tested tubing head seals good to 2800 psi. RIH, set RBP at 280'. Set packer at 72'. Tested casing between packer and RBP good to 540 psi. Realized there was a leaking valve at surface. POOH packer. Changed out valve. Tested casing from 280' to surface to 569 psi, held good. Retrieved RBP at 280', POOH. Received approval from BLM and NMOCD to circulate cement up the bradenhead.

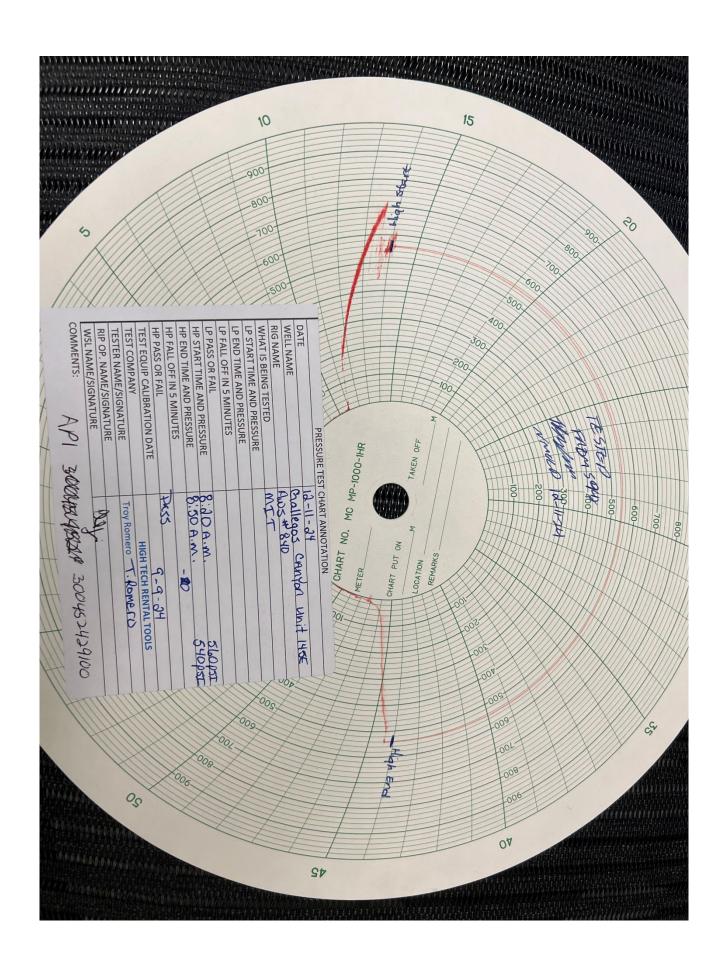
12/5/24 – Casing 0 psi, Bradenhead 0 psi. RIH packer, set at 30'. Established circulation up the bradenhead w/ water. Began pumping Class G #15.8 ppg, 1.15 yield cement. During the job, there was a blockage between the bulk truck and pump truck. Shut down, circulated out 35 bbl w/ 4 bbl cement to washtub. Repaired blockage. Mixed up 97 sacks Class G #15.8 ppg, 1.15 yield cement. Began pumping 0.5 BPM at 50 psi down casing and up bradenhead, got good returns. Displaced w/ 3 bbl fresh water. Shut down. Estimated TOC at 219'.

12/6/24 – Casing 0 psi, Bradenhead 0 psi. POOH packer. RIH bit, tagged cement at 218'. Started drilling very fast, cement was not set up. Shut down for weekend to let cement set more.

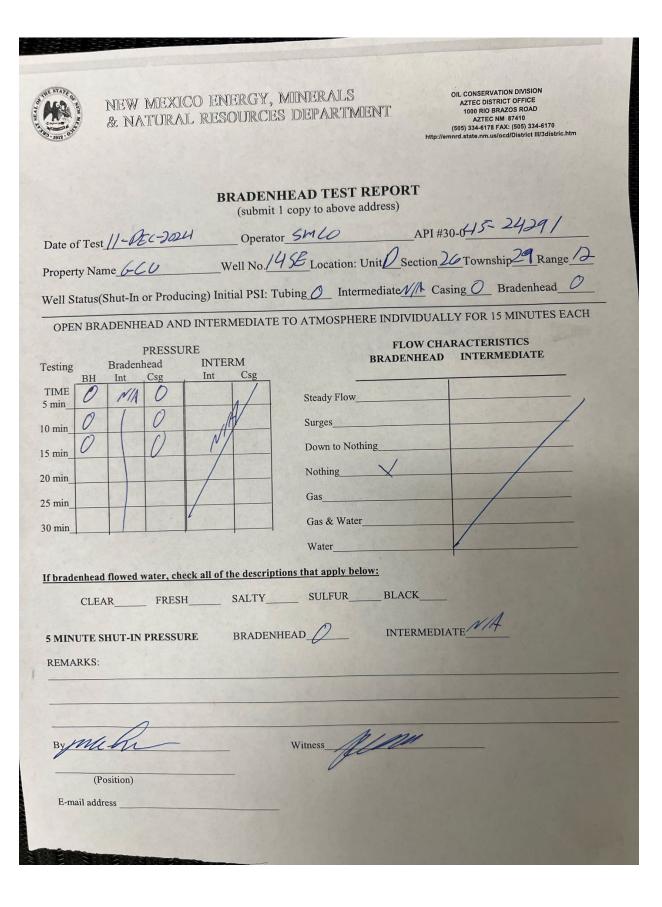
12/9/24 – Casing 0 psi, Bradenhead 0 psi. Drilled out cement from 256'-307'. Circulated clean. Pressure tested casing to 607 psi, held good. POOH bit. RIH mill, milld up CIBP at 412'. RIH and push plug remnants to bottom. POOH.

12/10/24 – Casing 10 psi, Bradenhead 0 psi. POOH and LD drill collars. RIH 4.5" RBP, set at 5942'. Rolled hole w/ fluid.

12/11/24 – Casing 10 psi, Bradenhead 0 psi. Conducted MIT w/ NMOCD witness onsite, passed. Chart attached. POOH RBP. RIH 2 3/8" production tubing. NDBOP, NUWH. RDMO service rig.



NAT	ΓURAL RESOURC	, MINERALS and ES DEPARTMENT
MECHAN	ICAL INTEGRITY (TA OR UIC)	TEST REPORT
Date of Test 11-DEC-2021	f Operator_SIMCO	API#30-045-24291
Property Name 6-CO	Well # 145 E	Location: UnitSecTwnRge
Land Type:  State Federal Private Indian	Well T	Water Injection Salt Water Disposal Gas Injection Producing Oil/Cas Pressure obervation
Temporarily Abandoned Well (Y/N	N): TA Ex	pires:
Casing Pres.  Bradenhead Pres.  Cubing Pres.  Int. Casing Pres.	Tbg. SI Pres Tbg. Inj. Pres	
ressured annulus up to	psi. for	_mins. Test passed/failed
1000 857 SPM m., MESSURD V870 500 P.	From SA4D TO SUR LOS MINUTE, CLOCK PSI AND PRESSURE BUD FOR THE LAST	4. THE CASING WAS
(Operator Representative)	Witness_DO	(NMOCD)
(Position)		Revised 02-11-02



Received by OCP: 12/19/2024 8:4	State of	New Mexico		Form C-103 of 14
<u>District I</u> – (575) 393-6161 1625 N. French Dr., Hobbs, NM 88240	Energy, Minerals	Energy, Minerals and Natural Resources		Revised July 18, 2013
<u>District II</u> – (575) 748-1283 811 S. First St., Artesia, NM 88210	OIL CONSER'	OIL CONSERVATION DIVISION		-f1
<u>District III</u> – (505) 334-6178	1220 Sout	h St. Francis Dr.	5. Indicate Type of STATE	FEE
1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> – (505) 476-3460	Santa F	e, NM 87505	6. State Oil & Ga	
1220 S. St. Francis Dr., Santa Fe, NM		,	NMSF079907	s Bease 1 to.
87505 SUNDRY NO	OTICES AND REPORTS O	NWFIIS		· Unit Agreement Name
(DO NOT USE THIS FORM FOR PRO	POSALS TO DRILL OR TO DEF	EPEN OR PLUG BACK TO		
DIFFERENT RESERVOIR. USE "API PROPOSALS.)	PLICATION FOR PERMIT" (FOR	M C-101) FOR SUCH		
1. Type of Well: Oil Well	Gas Well 🗹 Other		8. Well Number	145E
2. Name of Operator SIMCOE LLC			9. OGRID Numb	
3. Address of Operator			10. Pool name or	Wildcat
1199 Main Ave, Suite 101, Du	rango, CO 81301		Basin Dakota	
4. Well Location				
Unit Letter D		North line a		n the <u>West</u> line
Section 26				County
	· ·	hether DR, RKB, RT, C	GR, etc.)	
	5,461', GL			
12. Chec	k Appropriate Box to In	ndicate Nature of N	otice, Report or Other	Data
NOTICE OF	INTENTION TO:		SUBSEQUENT REI	PORT OF:
PERFORM REMEDIAL WORK		N 🗌 REMEDIA		ALTERING CASING
TEMPORARILY ABANDON	☐ CHANGE PLANS	COMMEN	CE DRILLING OPNS.	P AND A
	☐ MULTIPLE COMPL	☐ CASING/C	EMENT JOB	
CLOSED-LOOP SYSTEM OTHER:			Bradenhead Pressure Check	$\Box$
13. Describe proposed or co	mpleted operations. (Clearl			
	work). SEE RULE 19.15.7			
proposed completion or	recompletion.			
11/26/24 – Casing 127 psi, Bradenhead 104 psi. N 11/27/24 – Casing 125 psi, Bradenhead 125 psi. F	MIRU service rig. NDWH, NUBOP. P	OOH 2 3/8" production tubing .5" RBP, set at 5942', Loaded	casing w/ fluid. Pressure tested to 5	500 psi, lost 200 psi instantly. Able
to numn into casing leak at 200 nsi at 0.5 RPM				
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Pressure tested casing anove tailed				
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T2/11/24 Casing 10 psi, Diadelinead 0 psi. Com	Tuesday Will War William Willi	le, passed. Orian attached. Te	POTT NET : NIT 2 5/6 production tal	The service rig.
Spud Date:	Rig	Release Date:		
Spud Date.				
I hereby certify that the informati	on above is true and comple	ete to the best of my kn	owledge and belief.	_
signature <u>Christy</u>	Kost tit	TLE Regulator	/ Analyst DA	.TE 12/19/2024
Type or print name	E-n	nail address:	PH	ONE:
For State Use Only				
APPROVED BY:Conditions of Approval (if any):	TITI	LE	DA'	ГЕ
Conditions of Approval (if any):	*111		<i>D</i> /1	

Sante Fe Main Office Phone: (505) 476-3441

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 413796

#### **CONDITIONS**

Operator:	OGRID:
SIMCOE LLC	329736
, ,	Action Number:
Durango, CO 81301	413796
	Action Type:
	[C-103] Sub. General Sundry (C-103Z)

#### CONDITIONS

Created By	Condition	Condition Date
mkuehling	Bradenhead test required at 30 days after rig move 6 months after rig move and 1 year after rig move	2/3/2025
mkuehling	Repair completed rig moved off 12/11/2024	2/3/2025
mkuehling	Compliance due date changed to 12/11/2025	2/3/2025