### State of New Mexico Energy, Minerals and Natural Resources Department

Michelle Lujan-Grisham Governor

Melanie A. Kenderdine Cabinet Secretary

Ben Shelton Deputy Secretary (Acting) Gerasimos "Gerry" Razatos Division Director (Acting) Oil Conservation Division



#### BY ELECTRONIC MAIL ONLY

DKL Field Services, LLC (OGRID No. 372603) c/o David A. White, P.G. Geolex, Incorporated

Email contact: <u>DWhite@geolex.com</u>

RE: Request For Extension to Commence Injection: Third Extension of Commission Order No. R-20694 for Libby Berry AGI No. 1 and Libby Berry AGI No. 2

Request To Amend Surface Location: Libby AGI No. 1 and Libby AGI No. 2 Originally Approved Through Commission Order No. R-20694

Greetings Mr. White:

The Oil Conservation Division ("OCD") has reviewed the request dated February 18, 2025, on behalf of DKL Field Services, LLC ("DKL"), to extend the deadline to commence injection into referenced wells and to amend the surface location for the referenced wells approved through Commission Order No. R-20694.

The request for the extension was received prior to the deadline (extended to July 18, 2025) and provided supporting information on efforts by DKL and Delek Logistics Partners, LP to complete and operate the AGI wells. These activities are summarized in a presentation by DKL to OCD that summarized the recent construction activities for expansion of the Libby Gas Complex which will utilize the AGI wells. A copy of the presentation is attached to this order.

The approval of the new surface locations for the Libby AGI No. 1 and No. 2 wells was requested to accommodate a final plant design with improved protection of the AGI wells within the facility. The current surface locations of the wells were approved prior to the final design being implemented. The new surface location of AGI No. 1 is approximately 132 feet to the northeast of the currently approved location and the new AGI No. 2 surface location is approximately 533 feet to the southeast. The change in the deviation distance for the bottom-hole location for the AGI No. 2 is minimal.

1220 South St. Francis Drive, 3<sup>rd</sup> Floor • Santa Fe, New Mexico 87505 Phone (505) 476-3441 • <u>www.emnrd.state.nm.us/ocd</u> Commission Order No. R-20694 Request for Extension and Request for Changes in Surface Locations Page 2

In their submittal which is attached, DKL provided the following reviews to determine the impacts of relocation of each AGI well to a new location:

- A revised AOR for the new surface locations show no new affected persons of interest and no new well penetration or revised well status.
- A new Fault Slip Probability model with scenarios conducted to determine that the new surface locations will not cause induced seismicity, and the analysis shows no induced seismicity will be caused by the new surface location
- A new well design was provided, reflective of the new surface location to determine anticipated formation top depths, tubular lengths and cement volumes.

The OCD finds that for reasons stated, the granting of these requests to extend the deadline and amend the surface locations are in the interest of conservation, will prevent waste, and will protect the environment. Having considered the requests and reviewing the submittals, the OCD has recommended to the Director that changes requested by DKL do not warrant a hearing before the Oil Conservation Commission and that the approval of the changes be completed administratively with the Director acting on behalf of Commission.

Therefore, the deadline to commence injection of the Commission Order No. R-20694 is hereby extended until **July 31, 2026**, and the changes to new surface locations, as detailed in the submitted Form C-102s, are approved. Furthermore, the remaining terms and conditions in the referenced order continue in full force and effect, including the requirements for the reduced operation of the Libby Berry Fee SWD No. 1 and the timely completion of the redundant well, Libby Berry AGI No. 2.

4/9/2025

**Gerasimos Razatos** 

Division Director (Acting) and

**Chairperson, Oil Conservation Commission** 

### **Attachments:**

- 1. Copy of Geolex, Inc. correspondence dated February 18, 2025
- 2. Copy of DKL Field Services, LLC Presentation to OCD dated February 20, 2025
- 3. Copy of Commission Order No. R-20694

GR/mgm



February 18, 2025

Oil Conservation Division Underground Injection Control 1220 South St. Francis Drive Santa Fe, NM 87505 VIA ELECTRONIC MAIL

RE: REQUEST TO AMEND SURFACE LOCATION FOR LIBBY AGI #1 AND LIBBY AGI #2 ORIGINALLY APPROVED THROUGH THE ISSUANCE OF NMOCC ORDER R-20694

Mr. Razatos and Mr. Goetze,

On behalf of DKL Field Services, LLC (Delek), we (Geolex, Inc.) are submitting this request for approval to amend the surface location for the Libby AGI #1 and #2 wells (API's TBD). Specifically, we propose a slight change of plans that would relocate the AGI #1 surface location approximately 132 feet to the northeast and the AGI #2 surface location approximately 533 feet to the southeast. This relocation is necessary to ensure the AGI wells are placed in a low-traffic area with respect to the gas treatment facility process units, for which design plans were not finalized at the time of prior permitting activities.

In support of this request, we have (1) completed an updated analysis of the area of review (AOR) for the Libby AGI wells, to ensure there are no new interested parties that have not previously been notified, (2) updated prior Fault Slip Probability modeling scenarios to characterize induced seismicity risk based on the current landscape of injection activity, and (3) prepared well design documents reflective of the anticipated formation top depths, tubular lengths, and cement volumes, for the new AGI well locations.

Additionally, and in accordance with guidance provided by NMOCD, we are also requesting an extension to the duration of Order R-20694, to ensure adequate time is available to Delek to complete drilling and well construction activities (commencing Q2 2025), as well as to ensure the manufacture of surface processing equipment is completed such that injection activities may commence prior to permit expiration. At this time, and based on the current equipment manufacture lead time, we request NMOCC Order R-20694 be extended until July 31, 2026.

In the following pages, we provide a summary of attachments included with this submittal and a brief description of the results of our analyses:

#### ATTACHMENT 1 -REVISED LOCATION MAP, C-102 SURVEY PLAT, AND WELL SCHEMATIC

The new proposed surface locations for the Libby AGI #1 and #2 wells are illustrated in the general location map in Attachment 1. As shown, the new surface positions for the AGI wells are within the facility property boundaries and allow AGI processes to be isolated in a low-traffic area on the property.

As the Libby AGI wells have not yet been issued API numbers, we also include in Attachment 1 the Form C-102 survey plat which provides specific location information for the Libby AGI #1 and AGI #2 wells, as well as the planned well design schematic, which includes specific information relating to anticipated formation tops, tubular lengths, and cement volumes required for the new surface location. As the deviation distance for the AGI #2 bottom-hole location is minimal, a similar well design will be utilized for AGI #2, however, the final well design will be confirmed based on the conditions experienced while drilling AGI #1.

phone: 505-842-8000 fax: 505-842-7380



#### ATTACHMENT 2 – AREA OF REVIEW AND NOTIFICATION OF INTERESTED PARTIES

Our analysis of the Libby AGI wells AOR confirms that no new interested parties are present within the project area. All parties have been previously notified in association with the original Form C-108 injection permit application or with prior injection permit extension requests. Included in Attachment 2 of this submittal, we provide location maps summarizing surface ownership and operators within the AOR. All proof of delivery documents (e.g., USPS Certified Mail Green Cards, etc.) can be found as part of the original application, and/or prior injection permit extension requests, which are all publicly available via NMOCD online resources.

Furthermore, analysis of the Libby AGI wells area of review indicate that no new wells have been drilled or permitted that are expected to penetrate the Siluro-Devonian injection reservoir. A tabulated summary of all wells within two miles is included as part of Attachment 2.

#### ATTACHMENT 3 – INDUCED SEISMICITY RISK ASSESSMENT AND PLUME FOOTPRINT

As part of our evaluation, we have updated the Libby AGI well induced seismicity risk assessment, which assesses the potential for fault slip in response to injection activities within the greater project area. The results of this updated analysis indicate clearly that the proposed Libby AGI wells will not contribute significantly to the potential for induced seismicity risk, and furthermore, the total risk for seismicity is lessened, as multiple previously considered injection well projects are no longer proposed in the area. These results are in agreement with and confirm the results of prior assessments conducted in association with the original C-108 application, as well as submitted in support of injection permit extension requests.

Attachment 3 includes relevant Fault Slip Probability modeling results that are based on the proposed new Libby AGI well locations and the current landscape of injection activities in the area.

Regarding the resultant plume footprint, which was evaluated in association with the original C-108 permit application, we do not anticipate any change in the findings of that assessment as a result of the minor relocation of the AGI well surface locations, as we are not seeking any change in the allowable injection volume for these wells.

With this submission, we respectfully request approval to relocate the Libby AGI #1 and #2 wells, as described, as well as approval of our request to extend the duration of NMOCC Order R-20694. Delek remains committed to the fulfillment of all requirements of NMOCC Order R-20694, including the timely construction of the redundant Libby AGI #2 well, and the preparation of a site-specific H2S Contingency Plan, which is currently in development. If you have any questions regarding this request or wish to discuss further, please do not hesitate to contact me at (505) 842-8000 at Geolex, Inc.; 500 Marquette Avenue NW, Suite 1350; Albuquerque, New Mexico.

Sincerely, Geolex, Inc.®

David A. White, R.G.

Vice President - Consultant to DKL Field Services, LLC

Enclosures: Attachment 1 – Location maps and Libby AGI well design documents

Attachment 2 – Interested Parties and AOR Analysis

Attachment 3 – Updates to Induced Seismicity Risk Assessment

email: dwhite@geolex.com

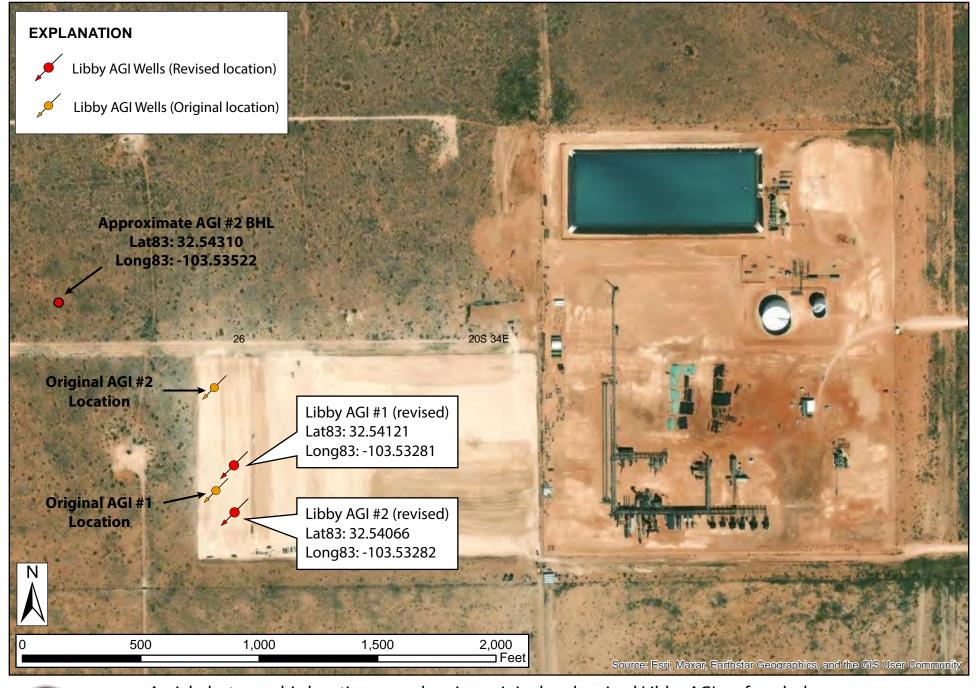
web: www.geolex.com

### **ATTACHMENT 1**

Libby AGI #1 and #2 Revised Surface Hole Location Map Form C-102 Well Location Survey (Libby AGI #1 and #2) &

Libby AGI #1 Planned Well Design Schematic

Received by OCD: 4/9/2025 9:25:00 AM



Aerial photographic location map showing original and revised Libby AGI surface-hole locations. Delek requests approval to relocate AGI #1 and AGI #2 132 feet northeast and 533 feet southeast, respectively Released to Imaging: 4/9/2025 9:29:15 AM



Delek

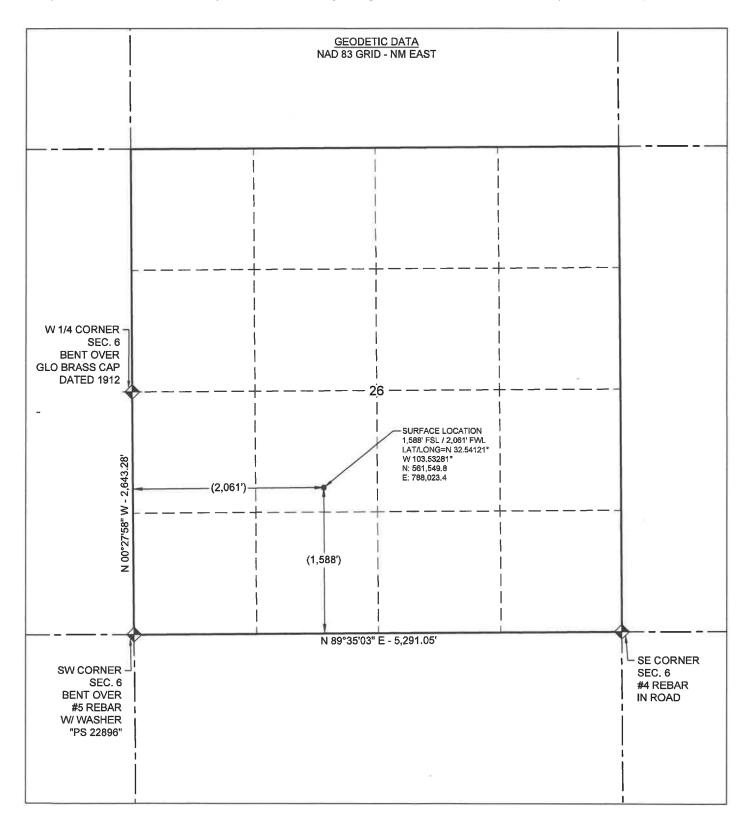
Phone: General Phone: Online	Santa Fe Main Office Phone: (505) 476-3441 General Information Phone: (505) 629-6116 Online Phone Directory Visit: https://www.emnrd.nm.gov/ocd/contact-us/				Energy, Mine	te of New Mexico erals & Natural Re Department ERVATION DIV			C-102  Revised July 9, 2024  Submit Electronically via OCD Permitting		
https://	www.emnrd	.nm.gov/ocd/	contact-us/					Submittal Type:	☐ Initial Submittal		
							☐ As Drille				
					WELL LOCAT	TON INFORMATION				54	
API N	umber		Pool Cod			Pool Name					
Prone	rty Code		Property		834	A	GI: DEVON	IIAN-FUSS	ELMAN Well Numb	par	
11000						LIBBY AGI				#1	
OGRII		2603	Operator	Name	DKL FIE	ELD SERVICES, LLO			Ground Le	vel Elevation 3,719.4'	
Surfac		State 🖾 Fee	÷ □ Tribal □	Federa		Mineral Owner: [		ee 🗆 Tribal	 I⊠ Federal	5,7	
					Curd	iana I anation					
UL	Section	Township	Range	Lot	Ft. from S	ace Location Ft, from W	Latitude		ongitude	County	
	26	20	34		1,588'	2,061'	N32.5	4121° V	V103.53281°	LEA	
			1	1	Botton	n Hole Location					
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	L	_ongitude	County	
Dedica	ated Acres	Infill or Defi	ning Well	Definir	ng Well API	Overlapping Spacin	ng Unit (Y/N)	Consolida	ation Code		
Order	Numbers.					Well setbacks are	under Com	non Owners	ship: □Yes □	No	
					Viale O	off Point (KOP)					
UL	Section	Township	Range	Lot	Ft, from N/S	Ft. from E/W	Latitude	L	.ongitude	County	
	1				First Ta	ake Point (FTP)					
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	L	ongitude	County	
				1	Last Ta	ake Point (LTP)					
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	L	ongitude	County	
Unitize	ed Area or A	rea of Uniform	n Interest	Spacir	ng Unit Type □ H	orizontal □ Vertical	Gro	und Floor El	levation:		
OPER	ATOR CER	TIFICATIONS	3			SURVEYOR CERTI	FICATIONS				
my know organiza including location interest, entered If this we consent in each to	wledge and beliation either own of the proposed pursuant to a coor to a voluntal by the division. All is a horizontal of at least one tract (in the target	ef, and, if the well s a working intere bottom hole locati ontract with an ov y pooling agreem	is a vertical or est or unleased ion or has a right wher of a working ent or a compu- entify that this or of a working inte on) in which an	directional waterior interest of the control of the	rest in the land well at this r unleased mineral g order heretofore has received the ased mineral interest well's completed	I hereby certify that the we surveys made by me or un my belief.	nder my supervis		e same is true an		
Signatu	re		Date			Signature and Seal of F	rofes <b>sional</b> Su	rveyor	135%	WAL SUK	
						22896	11/12/20				
Printed	Name					Certificate Number	Date of Su				
Email A					tion until all interest						

Note: 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

#### ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.



Santa Fe Main Office State of New Mexico C-102 Phone: (505) 476-3441 Energy, Minerals & Natural Resources General Information Revised July 9, 2024 Department Phone: (505) 629-6116 Submit Electronically OIL CONSERVATION DIVISION via OCD Permitting Online Phone Directory Visit: https://www.emnrd.nm.gov/ocd/contact-us/ Initial Submittal Submittal ☐ Amended Report Type: ☐ As Drilled WELL LOCATION INFORMATION API Number Pool Code Pool Name 97834 AGI: DEVONIAN-FUSSELMAN Property Name **Property Code** Well Number LIBBY AGI OGRID No. Operator Name **Ground Level Elevation** 372603 DKL FIELD SERVICES, LLC 3,720.8 Surface Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal Mineral Owner: ☐ State ☐ Fee ☐ Tribal 🖾 Federal Surface Location UL Township Range Ft. from S Ft. from W Latitude Longitude County Section Lot N32.54066° 26 20 34 1,388' 2,0601 W103.53282° LEA Bottom Hole Location UL Township Range Longitude Section Lot Ft. from S Ft. from W Latitude County 26 20 2.275 1.320 W103.53522° 34 N32.54310° LEA Defining Well API Infill or Defining Well Overlapping Spacing Unit (Y/N) **Dedicated Acres** Consolidation Code Order Numbers. Well setbacks are under Common Ownership: ☐Yes ☐No Kick Off Point (KOP) UL Section Township Range Lot Ft, from N/S Ft. from E/W Latitude Longitude County First Take Point (FTP) Range UL Township Ft. from N/S Section Lot Ft. from E/W Latitude Longitude County Last Take Point (LTP) UL Section Township Range Ft. from N/S Ft. from E/W Longitude County Lot Latitude Unitized Area or Area of Uniform Interest Spacing Unit Type ☐ Horizontal ☐ Vertical Ground Floor Elevation: **OPERATOR CERTIFICATIONS** SURVEYOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of I hereby certify that the well location shown on this plat was plotted from field notes of actual my knowledge and belief, and, if the well is a vertical or directional well, that this surveys made by me or under my supervision, and that the same is true and correct to the best of organization either owns a working interest or unleased mineral interest in the land my belief. 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division. Thomas G. Signature and Seal of Professional Surveyor Signature Date 22896 11/12/2020 Printed Name Certificate Number Date of Survey

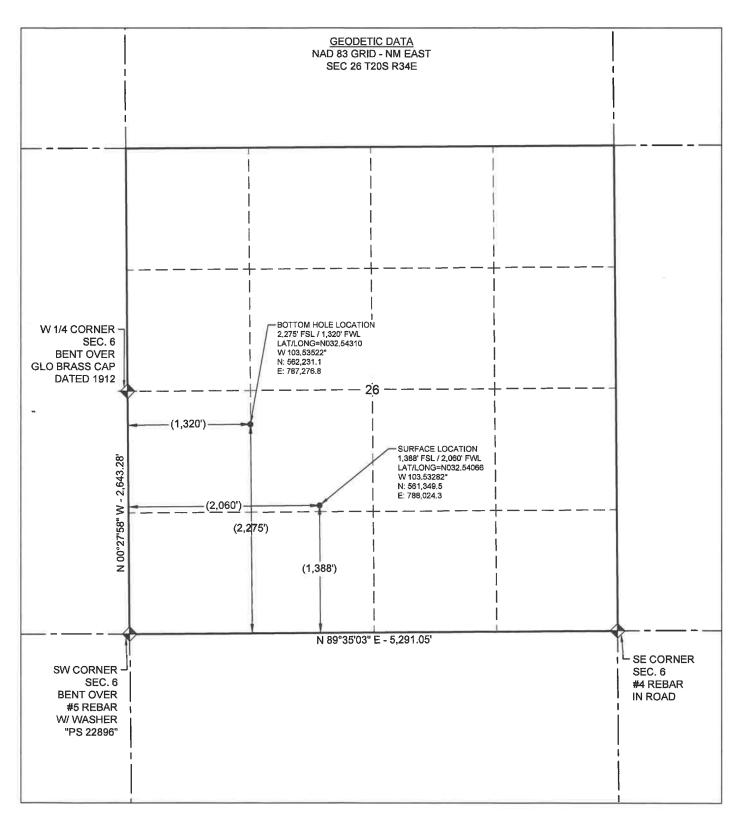
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

Email Address

#### ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.

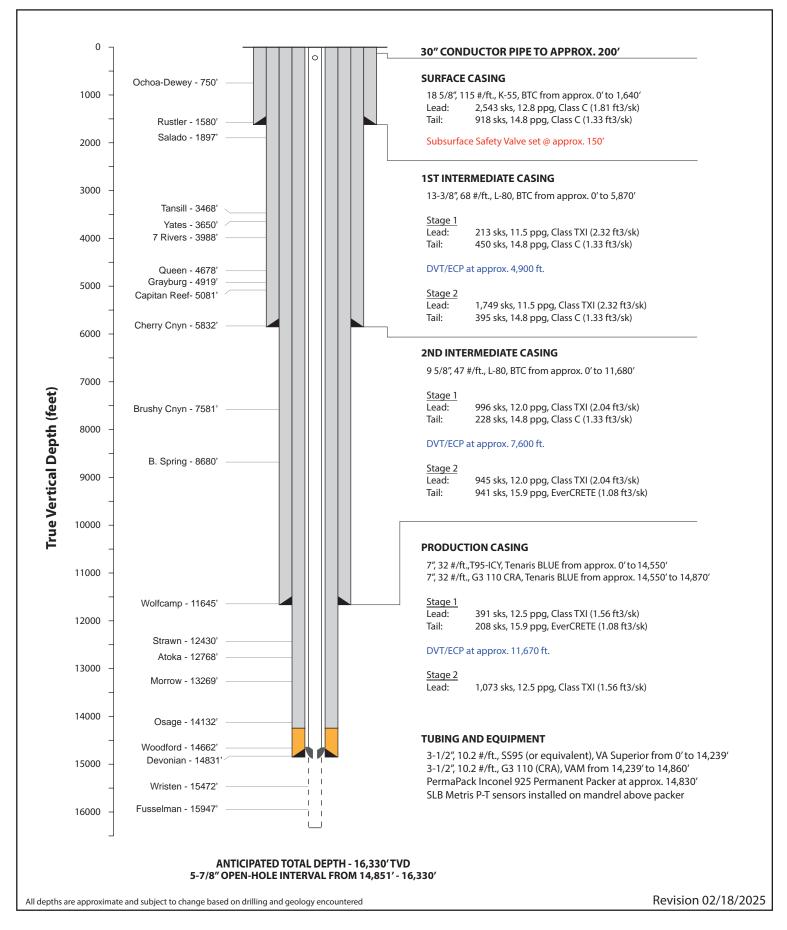




#### PRELIMINARY WELL SCHEMATIC

### LIBBY AGI WELL #001 SEC 26 TWN 20S RNG 34E



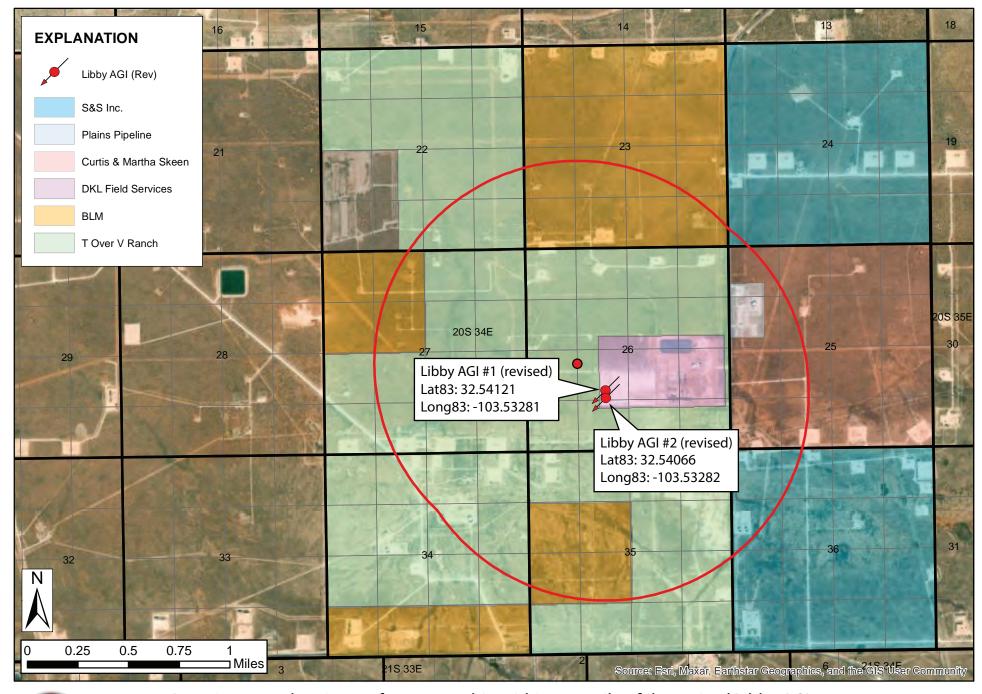


### **ATTACHMENT 2**

Location Maps Showing Surface Ownership and Active Operations within One Mile of the Libby AGI Wells

Tabulated Summary of all Wells within Two Miles

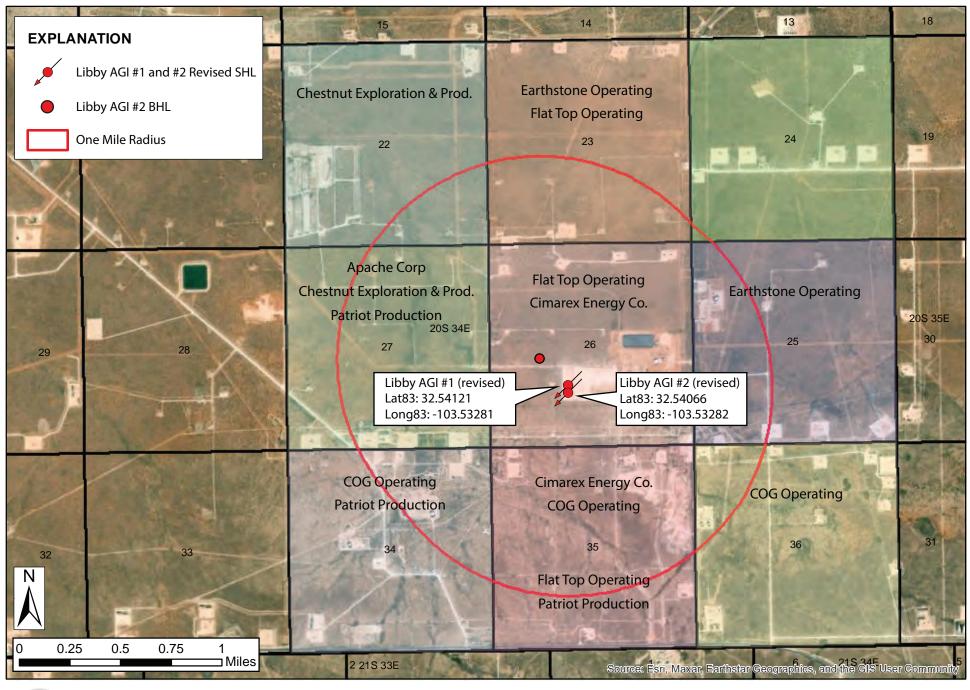
Delek



Location map showing surface ownership within one mile of the revised Libby AGI well surface-hole locations. All owners have been previously provided notice in Released to amaging: 4/9/2025 9:29:15 AM



Received by OCD: 4/9/2025 9:25:00 AM



Location map showing operators of active wells within one mile of the Libby AGI #1 and AGI #2 wells. All active operators have been previously notified as part of the original C-108 application process, or as part of subsequent permit extension requests.



Delek

### ALL WELLS WITHIN TWO MILES OF THE LIBBY AGI #1, AGI #2, AND AGI #2 BOTTOM-HOLE LOCATION

A DI Marris Is a se	W-II N	M-11 T	W-11 0t-t	0	Latitude	Longitude	Vertical	Associated Basis	Div. d D - t -
API Number	Well Name	Well Type	Well Status	Operator Name	(NAD83)	(NAD83)	Depth (ft)	Associated Pools	Plug Date
30-025-02462	CRUCES FEDERAL #006	Oil Oil	Active Active	Flat Top Operating, LLC	32.54136		,	LYNCH, YATES-SEVEN RIVERS	-
30-025-02454	HANSON B #002			Flat Top Operating, LLC	32.54501	-103.5341		LYNCH, YATES SEVEN RIVERS	-
30-025-02455	HANSON B #001	Oil	Active	Flat Top Operating, LLC	32.54501	-103.53794		LYNCH, YATES-SEVEN RIVERS	-
30-025-02458	CRUCES FEDERAL #002	Oil	Active Plugged (site	Flat Top Operating, LLC	32.54137	-103.53838	3,/18	LYNCH, YATES-SEVEN RIVERS	-
30-025-02456	HANSON B #003	Oil	released)	HEXP Operating, LLC	32.54501	-103.52977	3,829	N/A	12/14/1959
30-025-02459	CRUCES FEDERAL #003	Injection	Active	Flat Top Operating, LLC	32.53774	-103.53407	3,730	LYNCH, YATES-SEVEN RIVERS	-
			Plugged (site						
30-025-02463	PRE-ONGARD WELL #001	Oil	released)	PRE-ONGARD WELL OPERATOR	32.54501	-103.54097	3,797	N/A	N/A
30-025-02457	CRUCES FEDERAL #001	Oil	Active	Flat Top Operating, LLC	32.53774	-103.53836	3,705	LYNCH, YATES-SEVEN RIVERS	-
			Plugged (site						
30-025-02469	PRE-ONGARD WELL #003	Oil	released)	PRE-ONGARD WELL OPERATOR	32.54136	-103.54266	3,690	LYNCH, YATES-SEVEN RIVERS	N/A
30-025-02460	CRUCES FEDERAL #004	Oil	Active	Flat Top Operating, LLC	32.53774	-103.52977	3,750	LYNCH, YATES-SEVEN RIVERS	-
								BERRY, BONE SPRING, NORTH; WC-025 G-	
30-025-44092	MAS FEDERAL COM #001H	Oil	Active	COG OPERATING LLC	32.53632	-103.53736	11,338	08 S203435D, WOLFCAMP	-
			Plugged (site						
30-025-02468	FLETCHER A DE FEDERAL #002	Oil	released)	MARATHON OIL PERMIAN LLC	32.53774	-103.5405	3,705	LYNCH, YATES-SEVEN RIVERS	7/26/2019
30-025-40327	HANSON 26 FEDERAL #001H	Oil	Active	CIMAREX ENERGY CO.	32.54955	-103.53804	11,186	LEA, BONE SPRING, SOUTH	-
30-025-40819	HANSON 26 FEDERAL COM #002	Oil	Active	CIMAREX ENERGY CO.	32.5499	-103.5332	11,112	LEA, BONE SPRING, SOUTH	-
			Plugged (site						
30-025-20192	PRE-ONGARD WELL #002	Oil	released)	PRE-ONGARD WELL OPERATOR	32.55045	-103.53411	3,667	N/A	N/A
			Plugged (site						
30-025-30471	FLETCHER A FED #001	Oil	released)	OLSEN ENERGY INC	32.53592	-103.5382	3,860	LYNCH, YATES-SEVEN RIVERS	11/19/1999
			Plugged (site						
30-025-20183	PRE-ONGARD WELL #001	Oil	released)	PRE-ONGARD WELL OPERATOR	32.55046	-103.5384	3,730	LYNCH, YATES-SEVEN RIVERS	N/A
	BLACK & TAN 27 FEDERAL COM								
30-025-44045	#308H	Oil	Active	APACHE CORPORATION	32.53744	-103.54191	11,125	LEA, BONE SPRING, SOUTH	-
	BLACK & TAN 27 FEDERAL COM							LEA, BONE SPRING, SOUTH; WC-025 G-08	
30-025-46075	#406H	Oil	Active	APACHE CORPORATION	32.53744	-103.54197	11,238	S203435D, WOLFCAMP	-
30-025-44044	#307H	Oil	Active	APACHE CORPORATION	32.53744	-103.54204	11,086	LEA, BONE SPRING, SOUTH	-
	BLACK & TAN 27 FEDERAL COM								
30-025-46916	#204H	Oil	Cancelled	APACHE CORPORATION	32.53744	-103.54217	0	N/A	-
			Plugged (site						
30-025-23578	FEDERAL C #001	Oil	released)	ARLEN L EDGAR	32.53502	-103.533	14,939	LYNCH, YATES-SEVEN RIVERS	8/25/1989
30-025-02492	B V LYNCH A FEDERAL #012	Oil	Active	Patriot Production LLC	32.53592	-103.5405	3,694	LYNCH, YATES-SEVEN RIVERS	-
	LAGUNA 23 FEDERAL COM								
30-025-41700	#004C	Oil	Cancelled	NEARBURG PRODUCING CO	32.5515	-103.53684	. 0	LEA, BONE SPRING, SOUTH	-
30-025-44214	MAS FEDERAL COM #002H	Oil	Active	COG OPERATING LLC	32.53632	-103.54164	11,415	WC-025 G-08 S203435D, WOLFCAMP	-
	LAGUNA 23 FEDERAL COM								
30-025-40697	#002H	Oil	Active	Earthstone Operating, LLC	32.5515	-103.53743	11,079	LEA, BONE SPRING, SOUTH	
30-025-02499	NEAL #001	Oil	Active	Flat Top Operating, LLC	32.53555	-103.52975	3,752	LYNCH, YATES-SEVEN RIVERS	-
	LAGUNA 23 2BS FEDERAL COM								
30-025-46349	#004H	Oil	Active	Earthstone Operating, LLC	32.55151	-103.53783	10,540	LEA, BONE SPRING, SOUTH	-
		Salt Water	Plugged (site						
30-025-02507	W H MILNER FEDERAL #004	Disposal	released)	HEXP Operating, LLC	32.53411	-103.53407	3,850	SWD, YATES	2/7/2019

			Plugged (site						
30-025-02503	PRE-ONGARD WELL #001	Oil	released)	PRE-ONGARD WELL OPERATOR	32.53411	-103.53621	3.715	LYNCH, YATES-SEVEN RIVERS	N/A
00 020 02000	THE STOPHIS WELL WOOT	Salt Water	101000004)		02.001.22	100,00021	0,7 20	SWD, MISS-DEVONIAN; SWD, DEVONIAN-	
30-025-44288	LIBBY BERRY FEE SWD #001	Disposal	Active	DKL Field Services, LLC	32.54446	-103.52463	16.000	SILURIAN	
		Salt Water	Plugged (site	·			.,		
30-025-08459	FLETCHER A DE FEDERAL #004	Disposal	released)	ARCO PERMIAN	32.54227	-103.54588	3,682	SWD, YATES-SEVEN RIVERS	12/18/1984
	LAGUNA 23 2BS FEDERAL COM	·	,						
30-025-46394	#005H	Oil	Active	Earthstone Operating, LLC	32.552	-103.53284	10,525	LEA, BONE SPRING, SOUTH	-
30-025-20284	HANSON C #003	Oil	Active	Flat Top Operating, LLC	32.55227	-103.53412	3,702	LYNCH, YATES-SEVEN RIVERS	-
	HANSON 26 FEDERAL COM								
30-025-40637	#003H	Oil	Active	CIMAREX ENERGY CO.	32.55045	-103.52831	11,141	LEA, BONE SPRING, SOUTH	-
	LAGUNA 23 FEDERAL COM								
30-025-40742	#001H	Oil	Active	Earthstone Operating, LLC	32.55227	-103.53304	10,874	LEA, BONE SPRING, SOUTH	-
	LAGUNA 23 FEDERAL COM								
30-025-41946	#003H	Oil	Active	Earthstone Operating, LLC	32.55227	-103.53256	9,620	LEA, BONE SPRING, SOUTH	-
30-025-40750	LYNCH 35 #002H	Oil	Active	CIMAREX ENERGY CO.	32.53583	-103.5276	11,316	BERRY, BONE SPRING, NORTH	-
			Plugged (site						
30-025-02461	PRE-ONGARD WELL #005	Oil	released)	PRE-ONGARD WELL OPERATOR	32.53774	-103.52547	3,760	N/A	N/A
			Plugged (site						
30-025-08465	KEOHANE A #001	Oil	released)	BURK ROYALTY CO., LTD.	32.53773	-103.54479	3,760	LYNCH, YATES-SEVEN RIVERS	7/23/2007
			Plugged (site						
30-025-02467	BALLARD DE FEDERAL #004	Oil	released)	MARATHON OIL PERMIAN LLC	32.55045	-103.54268	3,690	LYNCH, YATES-SEVEN RIVERS	10/11/2018
			Plugged (site						
30-025-02451	PRE-ONGARD WELL #001	Oil	released)	PRE-ONGARD WELL OPERATOR	32.55227	-103.52979	3,601	N/A	N/A
			Plugged (site						
30-025-08464	PRE-ONGARD WELL #002	Oil	released)	PRE-ONGARD WELL OPERATOR	32.53773	-103.54586	3,341	N/A	N/A
		Salt Water							
30-025-02501	NEAL #003	Disposal	Active	Flat Top Operating, LLC	32.53592	-103.52547	3,805	SWD, YATES	-
	BLACK & TAN 27 FEDERAL COM							LEA, BONE SPRING, SOUTH; WC-025 G-08	
30-025-46124	#405H	Oil	Active	APACHE CORPORATION	32.53744	-103.54622	11,368	S203435D, WOLFCAMP	-
	BLACK & TAN 27 FEDERAL COM								
30-025-43988	#306C	Oil	Cancelled	APACHE CORPORATION	32.53744	-103.54622	0	LEA, BONE SPRING, SOUTH	-
	BLACK & TAN 27 FEDERAL COM								
30-025-43940	#305H	Oil	Active	APACHE CORPORATION	32.53744	-103.54635	3,743	LEA, BONE SPRING, SOUTH	-
30-025-40825	LYNCH 35 #001H	Oil	Active	CIMAREX ENERGY CO.	32.53603	-103.52484	11,293	BERRY, BONE SPRING, NORTH	-
	BLACK & TAN 27 FEDERAL COM								
30-025-46915	#203H	Oil	Cancelled	APACHE CORPORATION	32.53744	-103.54648	0	LEA, BONE SPRING, SOUTH	-
			Plugged (site						
30-025-29669	PRE-ONGARD WELL #001	Oil	released)	PRE-ONGARD WELL OPERATOR	32.54955	-103.52443	288	N/A	N/A
	BLACK & TAN 27 FEDERAL COM								
30-025-46074	#404H	Oil	Cancelled	APACHE CORPORATION	32.53744	-103.54655	0	LEA, BONE SPRING, SOUTH	-
			Plugged (site						
30-025-08462	PERRY FEDERAL #001	Oil	released)	MACK ENERGY CORP	32.55227	-103.54269	3,669	LYNCH, YATES-SEVEN RIVERS	2/12/1996
			Plugged (site						
30-025-02500	NEAL #002	Oil	released)	HEXP Operating, LLC	32.5323	-103.52975	3,780	LYNCH, YATES-SEVEN RIVERS	6/18/1986
	HANSON 26 FEDERAL COM								
30-025-40804	#004H	Oil	Active	CIMAREX ENERGY CO.	32.55045	-103.52443	11,185	LEA, BONE SPRING, SOUTH	-
	HANSON 26 FEDERAL COM								
30-025-41359	#005H	Oil	Active	CIMAREX ENERGY CO.	32.55045	-103.52385	9,692	LEA, BONE SPRING, SOUTH	_

30-025-42950	MAS FEDERAL #003H	Oil	Active	COG OPERATING LLC	32.53632	-103.54699	11 210	BERRY, BONE SPRING, NORTH	_
30-025-02495	B V LYNCH A FEDERAL #003	Oil	Active	Patriot Production LLC	32.53501	-103.54585		LYNCH, YATES-SEVEN RIVERS	_
30-025-02495	B V LTNCH A FEDERAL #003	Oit	Active		32.33501	-103.54565	3,743	LTNCH, TATES-SEVEN RIVERS	-
00 005 00400	D AND E FEDERAL #000	Oil	Antivo	CHESTNUT EXPLORATION AND	00 55045	400 5 4007	0.704	LVNCLL VATES SEVEN DIVERS	
30-025-08460	D AND E FEDERAL #002	Oil	Active	PRODUCTION, INC.	32.55045	-103.54697	3,701	LYNCH, YATES-SEVEN RIVERS	-
			Plugged (site						
30-025-02506	W H MILNER FEDERAL #003	Oil	released)	HEXP Operating, LLC	32.53048	-103.53406	3,723	LYNCH, YATES-SEVEN RIVERS	3/22/2019
			Plugged (site						
30-025-02510	FEDERAL #001	Oil	released)	HUDSON OIL COMPANY OF TEXAS	32.53048	-103.5362	3,734	LYNCH, YATES-SEVEN RIVERS	N/A
			Plugged (site						
30-025-02496	PRE-ONGARD WELL #004	Oil	released)	PRE-ONGARD WELL OPERATOR	32.53138	-103.54156	3,797	N/A	N/A
			Plugged (site						
30-025-02452	HANSON FEDERAL #001	Oil	released)	HEXP Operating, LLC	32.53774	-103.52118	3,864	N/A	10/30/1959
		Salt Water	Plugged (site				,		
30-025-20559	HANSON C #004	Disposal	released)	HEXP Operating, LLC	32.5559	-103.53413	3 642	SWD, YATES	8/29/2012
00 020 20000		2.opcour	Plugged (site		02.0000	100.00-10	0,042	5112, 171126	0/20/2012
30-025-02464	PRE-ONGARD WELL #001	Oil	released)	PRE-ONGARD WELL OPERATOR	32.54591	-103.55021	3,683	N/A	N/A
30-023-02404	FRE-ONGARD WELL#001	Oit		FRE-ONGARD WELL OPERATOR	32.34391	-103.55021	3,003	IN/A	IN/A
00 005 00457		0.1	Plugged (site	HEAD OF THE O	00 5550	100 500 11	0.070		
30-025-20157	HANSON C #002	Oil	released)	HEXP Operating, LLC	32.5559	-103.53841	3,672		N/A
								BERRY, BONE SPRING, NORTH; WC-025 G-	
30-025-43482	MAS FEDERAL #004H	Oil	Active	COG OPERATING LLC	32.53632	-103.54875	11,371	08 S203429P, WOLFCAMP	-
			Plugged (site					LEA, BONE SPRING, SOUTH; LAGUNA	
30-025-29572	RETT FEDERAL COM #001Y	Oil	released)	NEARBURG PRODUCING CO	32.55317	-103.52477	13,700	VALLEY, MORROW (GAS)	9/6/2000
	BLACK & TAN 27 FEDERAL COM								
30-025-43996	#304C	Oil	Cancelled	APACHE CORPORATION	32.53744	-103.54953	0	LEA, BONE SPRING, SOUTH	-
	BLACK & TAN 27 FEDERAL COM							LEA, BONE SPRING, SOUTH; WC-025 G-08	
30-025-46123	#403H	Oil	Active	APACHE CORPORATION	32.53744	-103.54953	11.372	S203435D, WOLFCAMP	_
30-025-08461	B V LYNCH B FEDERAL #002	Oil	Active	Patriot Production LLC	32.53864	-103.55019		LYNCH, YATES-SEVEN RIVERS	_
	BLACK & TAN 27 FEDERAL COM						-,		
30-025-43921	#303H	Oil	Active	APACHE CORPORATION	32.53744	-103.54966	11 1/15	LEA, BONE SPRING, SOUTH	_
30-023-43921	STRATOSPHERE 36 STATE COM	Oit	Active	ALAGILE GOTH GHATION	32.33744	-105.54500	11,145	ELA, BONE OF MINO, SOUTH	
20 005 40027	#006H	Oil	Antivo	COC OPERATING LLC	32.53631	100 50110	11 202	DEDDY DONE CODING MODILI	_
30-025-42037	#0001	Oil	Active	COG OPERATING LLC	32.33031	-103.52118	11,393	BERRY, BONE SPRING, NORTH	
			Plugged (site						
30-025-20349	HANSON C #001	Oil	released)	HEXP Operating, LLC	32.55227	-103.52337	3,700	LYNCH, YATES-SEVEN RIVERS	7/17/2006
	BLACK & TAN 27 FEDERAL COM								
30-025-46864	#202H	Oil	Cancelled	APACHE CORPORATION	32.53744	-103.54972	0	LEA, BONE SPRING, SOUTH	-
			Plugged (site						
30-025-20818	PRE-ONGARD WELL #001	Oil	released)	PRE-ONGARD WELL OPERATOR	32.55317	-103.52444	10,500	N/A	N/A
30-025-02502	NEAL #004	Oil	Active	Flat Top Operating, LLC	32.5323	-103.52515	3,822	LYNCH, YATES-SEVEN RIVERS	-
				CHESTNUT EXPLORATION AND					
30-025-02449	R AND B FEDERAL #001	Oil	Active	PRODUCTION, INC.	32.55227	-103.54697	3,625	LYNCH, YATES-SEVEN RIVERS	-
	BLACK & TAN 27 FEDERAL COM			· ·			,	LEA, BONE SPRING, SOUTH; WC-025 G-08	
30-025-46073	#402H	Oil	Active	APACHE CORPORATION	32.53744	-103.54985	11 250	S203435D, WOLFCAMP	_
55 525 40075			Plugged (site	ALTONE SOM SMANON	52.557 44	100.04000	11,200	5255 .50D, 110E1 0/11 II	
20 025 02405	PALLADD DE EEDEDAL #000	Oil		MADATHON OIL DEDMIANT LO	20 55045	102 5 404 5	2.000	I VNOLI VATES SEVEN DIVIEDO	1/0/0010
30-025-02465	BALLARD DE FEDERAL #002	Oil	released)	MARATHON OIL PERMIAN LLC	32.55045	-103.54915	3,663	LYNCH, YATES-SEVEN RIVERS	1/9/2019
	LEA SOUTH 25 FEDERAL COM								
30-025-41367	#005H	Oil	Active	Earthstone Operating, LLC	32.53699	-103.5201	11,251	LEA, BONE SPRING, SOUTH	-
	LEA SOUTH 25 FEDERAL COM								
30-025-49160	2BS #009H	Oil	New	Earthstone Operating, LLC	32.53701	-103.52009	0	LEA, BONE SPRING, SOUTH	-

			Plugged (site						
30-025-02488	PRE-ONGARD WELL #001	Oil	released)	PRE-ONGARD WELL OPERATOR	32.53048	-103.54263	3.772	LYNCH, YATES-SEVEN RIVERS	N/A
00 020 02 100	LEA SOUTH 25 FEDERAL COM	-	, otouseu,		02.000.0	100.0 .200	0,7.72	Entern, male seventiarens	
30-025-41859	#009C	Oil	Cancelled	NEARBURG PRODUCING CO	32.53709	-103.51963	0	LEA, BONE SPRING, SOUTH	_
00 020 12000		Salt Water	Plugged (site		02.007.00	100.01000		,,	
30-025-02491	B V LYNCH A FEDERAL #011	Disposal	released)	OLSEN ENERGY INC	32.53138	-103.54585	3.720	SWD, YATES-SEVEN RIVERS	3/9/1993
		Salt Water	, , , , , , , , , , , , , , , , , , , ,				-,		
30-025-12580	B V LYNCH A FEDERAL #010	Disposal	Active	Patriot Production LLC	32.53501	-103.55018	3.734	SWD, YATES-SEVEN RIVERS	_
30-025-02490	B V LYNCH A FEDERAL #009	Oil	Active	Patriot Production LLC	32.53229	-103.5491		LYNCH, YATES-SEVEN RIVERS	-
00 020 02 100	5 7 21110111111 23 218 12 18 000	-	Plugged (site	, danset reduction 220	02.00220	100.0.01	0,000	Entern, male seventiarens	
30-025-02505	W H MILNER FEDERAL #002	Oil	released)	HEXP Operating, LLC	32.52683	-103.53405	3.747	LYNCH, YATES-SEVEN RIVERS	3/15/2019
30-025-02509	B V LYNCH A FEDERAL #007	Oil	Active	Patriot Production LLC	32.52683	-103.53619		LYNCH, YATES-SEVEN RIVERS	-
00 020 02000	5 T 211TO 111TT 25 218 12 18 007	Salt Water	7.0	CHESTNUT EXPLORATION AND	02.02000	100.00010	0,707	Enterly made develormed	
30-025-02448	D AND E FEDERAL #001	Disposal	Active	PRODUCTION, INC.	32.55317	-103.55022	3 703	SWD, SEVEN RIVERS	_
00 020 02440	B 7 H 7 E 1 E B E I V I E II O O I	Біорозак	Tionive	HARVARD PETROLEUM COMPANY,	02.00017	100.00022	0,700	ove, severimens	
30-025-25566	FLETCHER FEDERAL #001	Oil	Active	LLC	32.54136	-103.55448	3 710	LYNCH, YATES-SEVEN RIVERS	_
30-023-23300	TETOTENT EDENAE #001	Salt Water	Plugged (site	LLG	32.34130	-103.33440	3,710	ETHOTI, TATES-SEVENTIVERS	
30-025-02466	BALLARD DE FEDERAL #003		released)	MARATHON OIL PERMIAN LLC	32.54863	-103.55343	4.026	SWD, SEVEN RIVERS	10/15/2018
30-023-02400	BALLAND DE FEDERAL #003	Disposal		MARATHON OIL PERMIAN LLC	32.54663	-103.55343	4,026	SWD, SEVEN RIVERS	10/13/2016
20 005 00510	PRE-ONGARD WELL #002	Oil	Plugged (site released)	PRE-ONGARD WELL OPERATOR	32.52851	100 50544	2.005	N/A	N/A
30-025-02512	PRE-ONGARD WELL#002	Oit	reteaseu)	PRE-ONGARD WELL OPERATOR	32.52851	-103.52544	3,825		N/A
		Calt Matax	Diversed (site					LEA, BONE SPRING, SOUTH; LEA, PENN	
00 005 00044	EEDEDALL #004	Salt Water	Plugged (site	Forthelman Organization III O	00 5 4000	400 54505	44700	(GAS); SWD, YATES-SEVEN RIVERS; LAGUNA	0./0./0004
30-025-20811	FEDERAL L #001	Disposal	released)	Earthstone Operating, LLC	32.54682	-103.51585	14,700	VALLEY, DELAWARE	8/2/2021
00 005 00511	DDE ONOADD WELL WOOD	0.1	Plugged (site	DDE ONOADD WELL ODEDATOD	00 50000	100 50070	0.775	LVALOU VATEO OF VEN DIVERS	
30-025-02511	PRE-ONGARD WELL #001	Oil	released)	PRE-ONGARD WELL OPERATOR	32.52683	-103.52972	3,775	LYNCH, YATES-SEVEN RIVERS	N/A
			Plugged (site						
30-025-20071	GULF DE FEDERAL #001	Oil	released)	SUNDOWN ENERGY LP	32.53864	-103.55447	3,720	LYNCH, YATES-SEVEN RIVERS	10/10/2006
			Plugged (site						
30-025-26164	PRE-ONGARD WELL #001	Oil	released)	PRE-ONGARD WELL OPERATOR	32.53592	-103.5534	3,765	LYNCH, YATES-SEVEN RIVERS	N/A
		Salt Water	Plugged (site					LYNCH, YATES-SEVEN RIVERS; SWD, YATES-	
30-025-02489	B V LYNCH A FEDERAL #008	Disposal	released)	OLSEN ENERGY INC	32.52684	-103.54155	3,759	SEVEN RIVERS	7/16/2003
	LEA SOUTH 25 FEDERAL COM								
30-025-41898	#006H	Oil	Active	Earthstone Operating, LLC	32.53774	-103.51582	11,174	LEA, BONE SPRING, SOUTH	-
			Plugged (site						
30-025-27496	PRE-ONGARD WELL #001	Oil	released)	PRE-ONGARD WELL OPERATOR	32.53139	-103.5201	3,878	N/A	11/24/1981
	BLACK & TAN 27 FEDERAL COM		Plugged (site						
30-025-44018	#302H	Oil	released)	APACHE CORPORATION	32.53745	-103.55436	11,097	LEA, BONE SPRING, SOUTH	8/3/2022
30-015-44442	NORTH SQUARE LAKE UNIT #209	Oil	Cancelled	Acacia Operating Company, LLC	32.52573	-103.53581	0	SQUARE LAKE, GRAYBURG-SAN ANDRES	-
	BLACK & TAN 27 FEDERAL COM								
30-025-44017	#301H	Oil	Active	APACHE CORPORATION	32.53745	-103.55449	11,512	LEA, BONE SPRING, SOUTH	-
	BLACK & TAN 27 FEDERAL COM								
30-025-46914	#201H	Oil	Cancelled	APACHE CORPORATION	32.53745	-103.55456	0	LEA, BONE SPRING, SOUTH	-
30-025-02487	KINNEY #001	Oil	Active	FULFER OIL & CATTLE LLC	32.53501	-103.55339	3,776	LYNCH, YATES-SEVEN RIVERS	-
	LEA SOUTH 25 FEDERAL COM					_	_		
30-025-43409	2BS #010H	Oil	Active	Earthstone Operating, LLC	32.53777	-103.51544	10,680	LEA, BONE SPRING, SOUTH	-
	BLACK & TAN 27 FEDERAL COM							LEA, BONE SPRING, SOUTH; WC-025 G-08	
30-025-46072	#401H	Oil	Active	APACHE CORPORATION	32.53746	-103.55469	11,383	S203435D, WOLFCAMP	-
30-025-12550	B V LYNCH A FEDERAL #001	Oil	Active	Patriot Production LLC	32.52865	-103.54691	3,916	LYNCH, YATES-SEVEN RIVERS	-

			Plugged (site			T			
30-025-02446	PRE-ONGARD WELL #001	Oil	released)	PRE-ONGARD WELL OPERATOR	32.55589	-103.54916	3 763	LYNCH, YATES-SEVEN RIVERS, MIDDLE	N/A
00 020 02440	THE GIVOARD WELL #001	Oit	Plugged (site	THE GIVEAND WELL OF ENATOR	32.33303	100.54510	0,700	ETHOTI, TATES SEVERTIVETIS, TIEBLE	IVA
30-025-02450	PRE-ONGARD WELL #001	Oil	released)	PRE-ONGARD WELL OPERATOR	32.55771	-103.52338	3,736	N/A	N/A
00 020 02 100			Plugged (site		02.00771	100.02000	0,700		
30-025-02445	BALLARD DE FEDERAL #005	Oil	released)	MARATHON OIL PERMIAN LLC	32.55226	-103.55344	3.627	LYNCH, YATES-SEVEN RIVERS	2/28/2019
	STRATOSPHERE 36 STATE COM		,					,	
30-025-42036	#005H	Oil	Active	COG OPERATING LLC	32.53631	-103.51511	11,443	BERRY, BONE SPRING, NORTH	-
30-025-21166	PRE-ONGARD WELL #001	Oil	Cancelled	PRE-ONGARD WELL OPERATOR	32.56045	-103.52878		N/A	-
	CHUKAR BTA FEDERAL COM								
30-025-41294	#001C	Oil	Cancelled	EOG RESOURCES INC	32.53988	-103.55727	0	LEA, BONE SPRING, SOUTH	-
			Plugged (site						
30-025-02508	B V LYNCH A FEDERAL #006	Oil	released)	OLSEN ENERGY INC	32.52411	-103.53832	3,726	LYNCH, YATES-SEVEN RIVERS	6/20/1995
		Salt Water						SWD, CHERRY CANYON; SWD, CHERRY	
30-025-41703	BERRY SWD #001	Disposal	Active	DKL Field Services, LLC	32.52675	-103.52321	7,062	CANYON-BRUSHY CANYON	-
30-025-42985	LEA UNIT #035H	Oil	Active	Avant Operating, LLC	32.5576	-103.51973	10,409	LEA, BONE SPRING	-
30-025-42986	LEA UNIT #039H	Oil	Active	Avant Operating, LLC	32.5576	-103.51957	9,583	LEA, BONE SPRING	-
		Salt Water						LYNCH, YATES-SEVEN RIVERS; SWD, YATES-	
30-025-02494	B V LYNCH A FEDERAL #002	Disposal	Active	Patriot Production LLC	32.52411	-103.54153	4,200	SEVEN RIVERS	-
		Salt Water	Plugged (site						
30-025-02504	LYNCH A #001	Disposal	released)	C W TRAINER	32.5232	-103.53404	3,805	SWD, YATES-SEVEN RIVERS	2/13/1995
			Plugged (site						
30-025-02472	PRE-ONGARD WELL #001	Oil	released)	PRE-ONGARD WELL OPERATOR	32.53773	-103.55769	3,840	N/A	N/A
30-015-44440	NORTH SQUARE LAKE UNIT #206	Oil	Cancelled	Acacia Operating Company, LLC	32.52312	-103.53348	0	SQUARE LAKE, GRAYBURG-SAN ANDRES	_
				3 4 7 7				, , , , , , , , , , , , , , , , , , , ,	
30-025-41644	LYNCH 35 FEDERAL COM #003H	Oil	Active	CIMAREX ENERGY CO.	32.52326	-103.53102	11,318	BERRY, BONE SPRING, NORTH	-
			Plugged (site						
30-025-02473	PRE-ONGARD WELL #001	Oil	released)	PRE-ONGARD WELL OPERATOR	32.54227	-103.55877	3,731	N/A	N/A
			Plugged (site						
30-025-02498	PRE-ONGARD WELL #001	Oil	released)	PRE-ONGARD WELL OPERATOR	32.53138	-103.55445	3,808	N/A	N/A
		Salt Water	Plugged (site						
30-025-21346	BALLARD DE FEDERAL #006	Disposal	released)	ARCO PERMIAN	32.55589	-103.55344	3,750	SWD, YATES	2/28/1980
	LEA SOUTH 25 FEDERAL COM								
30-025-52183	2BS #013H	Oil	New	Earthstone Operating, LLC	32.53789	-103.51193	0	LEA, BONE SPRING, SOUTH	-
	LEA SOUTH 25 FEDERAL COM								
30-025-43029	3BS #007H	Oil	Active	Earthstone Operating, LLC	32.53776	-103.5116		LEA, BONE SPRING, SOUTH	-
30-025-43076	LEA UNIT #036H	Oil	Active	Avant Operating, LLC	32.5576	-103.51736	10,418	LEA, BONE SPRING	-
			Plugged (site						
30-025-02497	PRE-ONGARD WELL #005	Oil	released)	PRE-ONGARD WELL OPERATOR	32.52411	-103.54582	3,798	LYNCH, YATES-SEVEN RIVERS	N/A
00.005.4005	LEA SOUTH 25 FEDERAL COM	0.1		5 11 1 2 11 11 11 11 11 11 11 11 11 11 11	00.507-5	100 511:	0.700	LEA DONE ODDING COURT	
30-025-43036	1BS #011H	Oil	Active	Earthstone Operating, LLC	32.53776	-103.51111		LEA, BONE SPRING, SOUTH	-
30-025-44733	LEA UNIT #041H	Oil	Active	Avant Operating, LLC	32.5576	-103.5172		LEA, BONE SPRING	-
30-025-34574	PINON 33 FEDERAL #001	Oil	Cancelled	NEARBURG PRODUCING CO	32.53592	-103.55876	0	N/A	-
20 025 20540	EEDERALIS #001	Oil	Temporary	Earthstone Operating 11.0	20 5 4075	102 51100	14 500	LEA, PENN (GAS); LAGUNA VALLEY,	
30-025-29518	FEDERAL LS #001	Oil	Abandonment	Earthstone Operating, LLC	32.54975	-103.51122	14,590	DELAWARE LEA, BONE SPRING, SOUTH; LEA, PENN	-
30-025-29019	LYNCH 8212 JV-P #002	Gas	Plugged (site released)	BTA OIL PRODUCERS	32.5568	-103.51588	13,522		9/17/1993
30-023-23013	LINCH 0212 JV-F #UUZ	GdS	reteaseu)	DIA OIL PRODUCERS	32.0008	-103.31388	13,522	(UAU)	9/1//1993

	STRATOSPHERE 36 STATE COM								
30-025-42035	#004H	Oil	Active	COG OPERATING LLC	32.53551	-103.51151	11,484	BERRY, BONE SPRING, NORTH	-
30-025-02624	PRE-ONGARD WELL #004	Oil	Plugged (site released)	PRE-ONGARD WELL OPERATOR	32.52139	-103.53352	2 770	LYNCH, YATES-SEVEN RIVERS	N/A
30-023-02024	THE-ONOARD WELL#004	Oit	Plugged (site	THE-ONOARD WELE OF ENATOR	32.32139	-103.33332	3,770	ETHOTI, TATES-SEVENTIVENS	IN/A
30-025-02471	PRE-ONGARD WELL #001	Oil	released)	PRE-ONGARD WELL OPERATOR	32.54998	-103.55932	3,775	N/A	N/A
			Reclamation Fund						
30-025-25904	WALLEN BASS #003	Oil	Approved	RHCJ ENTERPRISES, LLC	32.55317	-103.55772	3,681	LYNCH, YATES-SEVEN RIVERS, MIDDLE	-
			Plugged (site						
30-025-02447	PRE-ONGARD WELL #001	Oil	released)	PRE-ONGARD WELL OPERATOR	32.56408	-103.54165	3,815	N/A	N/A
		Salt Water							
30-025-45344	LIBBY BERRY FEE SWD #002	Disposal	Active	DKL Field Services, LLC	32.56442	-103.54039	16,194	SWD, DEVONIAN-SILURIAN	-
30-015-44441	NORTH SQUARE LAKE UNIT #208	Oil	Cancelled	Acacia Operating Company, LLC	32.52507	-103.55042	0	SQUARE LAKE, GRAYBURG-SAN ANDRES	_
00 010 11111		Salt Water		,,	02.02007	100.000.2			
30-025-44189	OKEANOS SWD #001	Disposal	Active	SOLARIS WATER MIDSTREAM, LLC	32.5245	-103.5207	0	SWD, DEVONIAN-SILURIAN	_
				, ==					
30-025-41605	PERRY 22 FEDERAL COM #001H	Oil	Active	CIMAREX ENERGY CO.	32.56497	-103.54057	11,073	LEA, BONE SPRING, SOUTH	-
	MARATHON ROAD 14 MD								
30-025-41215	FEDERAL #001H	Oil	Active	MEWBOURNE OIL CO	32.56543	-103.53688	10,930	LEA, BONE SPRING	-
30-025-41185	LYNCH 23 FEDERAL COM #005C	Oil	Cancelled	CIMAREX ENERGY CO.	32.56498	-103.52956	0	LEA, BONE SPRING, SOUTH	-
	MARATHON ROAD 14 NC								
30-025-40984	FEDERAL #001H	Oil	Active	MEWBOURNE OIL CO	32.56543	-103.53308	10,904	LEA, BONE SPRING	-
			Plugged (site						
30-025-02493	PRE-ONGARD WELL #002	Oil	released)	PRE-ONGARD WELL OPERATOR	32.55317	-103.55879	3,703	N/A	N/A
00 005 00044	DDE ONOADD WELL 11004	0:1	Plugged (site	DDE ONOADD WELL ODERATOR	00 500 40	400 50074	0.774	LVALOU VATEO OF VEN DIVERO	N1/A
30-025-36211	PRE-ONGARD WELL #001	Oil	released)	PRE-ONGARD WELL OPERATOR	32.52048	-103.53674	3,//1	LYNCH, YATES-SEVEN RIVERS	N/A
30-025-23653	PRE-ONGARD WELL #006	Oil	Plugged (site released)	PRE-ONGARD WELL OPERATOR	32.52048	-103.53729	3,779	N/A	N/A
30-025-23653	FRE-ONGARD WELL#000	Oit	reteaseu)	FRE-ONGARD WELL OF ERATOR	32.52046	-103.55729	3,779	IN/A	IN/A
30-025-40115	LYNCH 23 FEDERAL COM #001H	Oil	Active	CIMAREX ENERGY CO.	32.56498	-103.52827	11,056	LEA, BONE SPRING, SOUTH	-
30-025-31441	SILVER FEDERAL #002	Oil	Active	MULLOY OPERATING, INC.	32.54095	-103.56181	3,684	LYNCH, YATES-SEVEN RIVERS	-
30-025-40726	LYNCH 23 FEDERAL COM #004	Oil	Active	CIMAREX ENERGY CO.	32.56499	-103.52794	9,619	LEA, BONE SPRING, SOUTH	-
			Plugged (site						
30-025-02632	PRE-ONGARD WELL #002	Oil	released)	PRE-ONGARD WELL OPERATOR	32.52139	-103.54429	3,780	LYNCH, YATES-SEVEN RIVERS	N/A
			Plugged (site						
30-025-02636	PRE-ONGARD WELL #003	Oil	released)	PRE-ONGARD WELL OPERATOR	32.52048	-103.54102	3,738	LYNCH, YATES-SEVEN RIVERS	N/A
								BERRY, BONE SPRING, NORTH; LAGUNA	
30-025-31183	ALINE 9012 JVP #001	Oil	Active	BTA OIL PRODUCERS, LLC	32.53139	-103.51149	13,760	VALLEY, MORROW (GAS)	-
			Plugged (site						
30-025-01777	PRE-ONGARD WELL #005	Oil	released)	PRE-ONGARD WELL OPERATOR	32.51957	-103.53567	3,753	LYNCH, YATES-SEVEN RIVERS	N/A
			Plugged (site						
30-025-02627	PRE-ONGARD WELL #002	Oil	released)	PRE-ONGARD WELL OPERATOR	32.51955	-103.53352		LYNCH, YATES SEVEN RIVERS	N/A
30-025-02474	SILVER FEDERAL #001	Oil	Active	MULLOY OPERATING, INC.	32.54227	-103.56305	3,720	LYNCH, YATES-SEVEN RIVERS	-
30-025-40123	LYNCH 23 FEDERAL COM #002H	Oil	Active	CIMAREX ENERGY CO.	32.56498	-103.52448	11 0/15	LEA, BONE SPRING, SOUTH	_
00 020 40120	2O.1 201 EDEIVIE OO! 1 #00211		,	o	02.00400	100.02440	11,040	22., 23112 31 11113, 333111	-
	PERRY 22 FEDERAL COM #015H	Oil	New	CIMAREX ENERGY CO.	32.56498	-103.54575	•	LEA, BONE SPRING, SOUTH	_

30-025-44475	DELLA 29 FEDERAL #604H	Oil	Active	EOG RESOURCES INC	32.5375	-103.56238	11.173	LEA, BONE SPRING, SOUTH	_
00 020 44470	DEED (20 ) EDETIVE #00-11	Oit	Plugged (site	EGG HEGGGHGEG II TO	02.0070	100.00200	11,170	ELI, BONZ OF MINO, COOM	
30-025-02453	PRE-ONGARD WELL #001	Oil	released)	PRE-ONGARD WELL OPERATOR	32.54591	-103.50725	3,825	N/A	N/A
30-025-50175	PERRY 22 FEDERAL COM #016H	Oil	New	CIMAREX ENERGY CO.	32.56498	-103.54588	0	LEA, BONE SPRING, SOUTH	-
			Plugged (site						
30-025-02626	PRE-ONGARD WELL #003	Oil	released)	PRE-ONGARD WELL OPERATOR	32.51957	-103.53015	3,827	N/A	N/A
			Plugged (site						
30-025-02470	PRE-ONGARD WELL #001	Oil	released)	PRE-ONGARD WELL OPERATOR	32.54552	-103.56306	3,846	N/A	N/A
30-025-40724	LYNCH 23 FEDERAL COM #003H	Oil	Active	CIMAREX ENERGY CO.	32.56505	-103.52415	10,486	LEA, BONE SPRING, SOUTH	-
	MARATHON ROAD 14 FEDERAL								
30-025-40672	#003H	Oil	New	MEWBOURNE OIL CO	32.56652	-103.52932	0	LEA, BONE SPRING	-
		Salt Water							
30-025-02476	SILVER FEDERAL #004	Disposal	Active	MULLOY OPERATING, INC.	32.53864	-103.56304	3,787	SWD, YATES-SEVEN RIVERS	-
20 025 41000	DEDDY 22 FEDERAL COM #0220	Oil	Canaallad	CIMAREVENERCY CO	20 50520	102 5 450 4	^	LEA BONE CODING COLITI	
30-025-41606	PERRY 22 FEDERAL COM #002C	Oil	Cancelled	CIMAREX ENERGY CO.	32.56533	-103.54594	0	LEA, BONE SPRING, SOUTH	-
30-025-41195	LYNCH 23 FEDERAL COM #006H	Oil	Active	CIMAREX ENERGY CO.	32.56509	-103.52358	0.606	LEA, BONE SPRING, SOUTH	_
30-023-41193	ETNOTI 23 FEDERAL COM #00011	Oit	Active	CIMAREX ENERGY CO.	32.30309	-103.32336	9,000	LEA, BOINE SFRING, SOUTH	-
30-025-41166	LYNCH 23 FEDERAL COM #006A	Oil	Cancelled	CIMAREX ENERGY CO.	32.5651	-103.52359	0	LEA, BONE SPRING, SOUTH	_
50 025 41100	MARATHON ROAD 15 PA	Oit	Carrocated	ON THE REIVENOT GO.	02.0001	100.02000		ELT, BOTTE OF THITO, COOTT	
30-025-41575	FEDERAL #001H	Oil	Active	MEWBOURNE OIL CO	32.56672	-103.54058	7.269	LEA, BONE SPRING	-
							,	LEA, BONE SPRING, SOUTH; LEA, PENN	
30-025-28743	LYNCH 8212 JV-P #001	Gas	Active	CAZA OPERATING, LLC	32.5568	-103.51157	13,500		-
				·					
30-025-40723	LEA SOUTH 25 FEDERAL #001C	Oil	Cancelled	NEARBURG PRODUCING CO	32.54136	-103.50616	0	LEA, BONE SPRING, SOUTH	-
			Temporary						
30-025-43057	LEA SOUTH 25 FEDERAL #008	Oil	Abandonment	Earthstone Operating, LLC	32.53777	-103.50676	11,652	LEA, BONE SPRING, SOUTH	-
			Plugged (site						
30-025-28785	LYNCH #001	Oil	released)	C W TRAINER	32.5187	-103.5395	5,918	LYNCH, YATES-SEVEN RIVERS	1/13/1995
	STRATOSPHERE 36 STATE COM								
30-025-42034	#003H	Oil	Active	COG OPERATING LLC	32.53578	-103.50723		BERRY, BONE SPRING, NORTH	-
30-025-26288	WALLEN BASS #004	Oil	Active	RHCJ ENTERPRISES, LLC	32.55317	-103.562	3,669	LYNCH, YATES-SEVEN RIVERS, MIDDLE	-
			Plugged (site						
30-025-26952	WEST LYNCH DEEP UNIT #001	Gas	released)	EOG Y RESOURCES, INC.	32.53864	-103.56411	13,875	LYNCH, MORROW, WEST (GAS)	1/13/2010
	LEA COLITIL OF FEDERAL COM							LEA, BONE SPRING, SOUTH; WC-025 G-10	
20 025 42110	LEA SOUTH 25 FEDERAL COM	Oil	Activo	Forthetone Operating IIC	22 52777	102 50627	11 466	S213335I, PERMO UPR PENN; WC-025 G-08	
30-025-43110	WCA #012H LEA SOUTH 25 FEDERAL COM	Oil	Active	Earthstone Operating, LLC	32.53777	-103.50627	11,400	S203435D, WOLFCAMP	<del>-</del>
30-025-52184	2BS #014H	Oil	New	Earthstone Operating, LLC	32.53795	-103.50603	0	LEA, BONE SPRING, SOUTH	_
55 025 32104	250 TO1711	JII.	Plugged (site	Earthstone Operating, LLO	02.00790	100.00003	0	LET, BOILE OF THING, GOOTH	
30-025-39077	LEA FEDERAL UNIT TR #029	Gas	released)	Avant Operating, LLC	32.56229	-103.516	13.462	LEA, BONE SPRING; LEA, PENN (GAS)	7/12/2023
020 30077			Plugged (site		52.00220	100.010	20,702	,,,, (5)	
30-025-02435	PRE-ONGARD WELL #001	Oil	released)	PRE-ONGARD WELL OPERATOR	32.56771	-103.52877	4,145	N/A	N/A
			,				,		
30-025-41090	LEA SOUTH 25 FEDERAL #002H	Oil	New	Earthstone Operating, LLC	32.53864	-103.50558	0	LEA, BONE SPRING, SOUTH	-
	LITTLE BEAR FEDERAL COM								
30-025-45098	#001H	Oil	Active	COG OPERATING LLC	32.52339	-103.5544	11,319	BERRY, BONE SPRING, NORTH	-

	LEA SOUTH 25 FEDERAL COM								
30-025-43895	#001C	Oil	Cancelled	Earthstone Operating, LLC	32.55056	-103.50624	0	LEA, BONE SPRING, SOUTH	_
30-023-43093	#0010	Oit	Plugged (site	Lattistone Operating, LLO	32.33030	-103.30024	- 0	LEA, BONE SI MINO, SOOTI	
30-025-02486	PRE-ONGARD WELL #001	Oil	released)	PRE-ONGARD WELL OPERATOR	32.53592	-103.5641	3,777	N/A	N/A
30-023-02460	MARATHON ROAD 14 FEDERAL	Oit	reteaseu)	THE-ONOARD WELL OF ERATOR	32.33392	-103.3041	3,777	IN/A	IN/A
20 025 40671	#002H	Oil	Canadlad	MEMBOLIBNE OIL CO	22 5660	102 524	0	LEA BONE SERVIC	_
30-025-40671	#002H	Oil	Cancelled	MEWBOURNE OIL CO	32.5668	-103.524	U	LEA, BONE SPRING	<del>-</del>
00 005 00047	DDE ONOADD MELL HOOA	0.1	Plugged (site	DDE ONGADD WELL ODERATOR	00.5577	100 55000	0.750		
30-025-20617	PRE-ONGARD WELL #001	Oil	released)	PRE-ONGARD WELL OPERATOR	32.5577	-103.55988	3,750	N/A	N/A
	MARATHON ROAD 15 B3OB								
30-025-41945	FEDERAL #001H	Oil	Active	MEWBOURNE OIL CO	32.5663	-103.54798	10,927	LEA, BONE SPRING	-
30-025-41607	PERRY 22 FEDERAL COM #003C	Oil	Cancelled	CIMAREX ENERGY CO.	32.56531	-103.55025		LEA, BONE SPRING, SOUTH	-
30-025-43092	LEA UNIT #037H	Oil	Active	Avant Operating, LLC	32.55761	-103.50997	10,434	LEA, BONE SPRING	-
	LITTLE BEAR FEDERAL COM								
30-025-45102	#006H	Oil	Active	COG OPERATING LLC	32.52339	-103.55499	11,553	WC-025 G-08 S203435D, WOLFCAMP	-
30-025-44354	LEA UNIT #042H	Oil	Active	Avant Operating, LLC	32.5576	-103.50981	9,585	LEA, BONE SPRING	-
<u></u>									
30-025-50081	PERRY 22 FEDERAL COM #029H	Oil	New	CIMAREX ENERGY CO.	32.56475	-103.55179	0	LEA, BONE SPRING, SOUTH	-
			Plugged (site						
30-025-24700	PRE-ONGARD WELL #001	Oil	released)	PRE-ONGARD WELL OPERATOR	32.56316	-103.55453	3,680	N/A	N/A
30-025-45154	LEA UNIT #066H	Oil	Active	Avant Operating, LLC	32.5576	-103.50965	10,943	LEA, BONE SPRING	-
			Plugged (site						
30-025-34627	GOB 33 FEDERAL #001	Oil	released)	OGS OPERATING CO INC	32.53229	-103.56335	3,874	N/A	7/21/1999
30-025-40694	CHIEF 30 STATE #002H	Oil	Active	CIMAREX ENERGY CO.	32.542	-103.50413		BERRY, BONE SPRING, NORTH	-
30-025-42771	ALINE 9012 JVP #002	Oil	Active	BTA OIL PRODUCERS, LLC	32.53395	-103.50583		BERRY, BONE SPRING, NORTH	_
00 020 12771	7121112 3 3 2 2 3 1 1 1 1 3 2 2	- Cit	Plugged (site	2.1. G.Z.1.1. G.Z.G.Z.1.G, Z.Z.G	02.00000	100.0000	11,100	22, 20200,	
30-025-02633	PRE-ONGARD WELL #001	Oil	released)	PRE-ONGARD WELL OPERATOR	32.51776	-103.54428	3 807	LYNCH, YATES-SEVEN RIVERS	N/A
30-025-40872	CHIEF 30 STATE #003H	Oil	Active	CIMAREX ENERGY CO.	32.54591	-103.50407		BERRY, BONE SPRING, NORTH	19/74
30-025-29381	LEA UNIT #013	Oil	Active	Avant Operating, LLC	32.56044	-103.50407		LEA, BONE SPRING, SOUTH	
30-025-29361	LEA GIVIT #015	Oit		Availt Operating, LLC	32.36044	-103.51156	13,500	LEA, BONE 3FRING, 300111	-
00 005 00005	DDE ONOADD WELL 11004	0:1	Plugged (site	DDE ONOADD WELL ODERATOR	00 54040	100 50050	0.770	LVALOUL VATEO OF VEAL BILVERO	N1/A
30-025-02625	PRE-ONGARD WELL #001	Oil	released)	PRE-ONGARD WELL OPERATOR	32.51648	-103.53352	3,772	LYNCH, YATES-SEVEN RIVERS	N/A
			Plugged (site						
30-025-01776	PRE-ONGARD WELL #004	Oil	released)	PRE-ONGARD WELL OPERATOR	32.51685	-103.54102		LYNCH, YATES-SEVEN RIVERS	N/A
30-025-43195	ALINE 9012 JVP #003	Oil	Active	BTA OIL PRODUCERS, LLC	32.53232	-103.50625		BERRY, BONE SPRING, NORTH	-
30-025-40406	CHIEF 30 STATE #001H	Oil	Active	CIMAREX ENERGY CO.	32.53864	-103.50402	10,845	BERRY, BONE SPRING, NORTH	-
			Plugged (site						
30-025-02619	PRE-ONGARD WELL #001	Oil	released)	PRE-ONGARD WELL OPERATOR	32.51776	-103.5249	3,960	N/A	N/A
	MARATHON ROAD 14 FEDERAL								
30-025-39546	#001	Gas	Active	MEWBOURNE OIL CO	32.56861	-103.52556	13,400	LEA, PENN (GAS)	-
	MARATHON ROAD 15 NC								
30-025-42201	FEDERAL #001H	Oil	Active	MEWBOURNE OIL CO	32.56638	-103.55081	10,914	LEA, BONE SPRING	-
30-025-41066	CHIEF 30 STATE #004H	Oil	Active	CIMAREX ENERGY CO.	32.54954	-103.50408	10,979	BERRY, BONE SPRING, NORTH	-
			Plugged (site						
30-025-02620	PRE-ONGARD WELL #001	Oil	released)	PRE-ONGARD WELL OPERATOR	32.51594	-103.53352	3,790	LYNCH, YATES-SEVEN RIVERS	N/A
			Plugged (site						
30-025-02634	PRE-ONGARD WELL #002	Oil	released)	PRE-ONGARD WELL OPERATOR	32.51595	-103.53781	3.769	LYNCH, YATES-SEVEN RIVERS	N/A
		1	,		02000		5,7 50	,	
00 020 02004			Plugged (not						

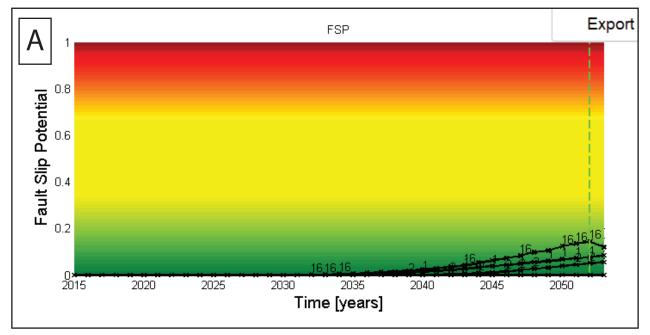
								LEA, BONE SPRING, SOUTH; WC-025 G-08	
30-025-41608	PERRY 22 FEDERAL COM #004H	Oil	Active	CIMAREX ENERGY CO.	32.56413	-103.55543	11,260	S203435D, WOLFCAMP	-
			Plugged (not				<u> </u>	,	
30-025-43292	CHIEF 30 STATE #006	Oil	released)	CIMAREX ENERGY CO.	32.54331	-103.50256	11.650	BERRY, BONE SPRING, NORTH	11/18/2020
30-025-02475	SILVER FEDERAL #003	Oil	Active	MULLOY OPERATING, INC.	32.53954	-103.56738		LYNCH, YATES-SEVEN RIVERS	_
30-025-43077	LEA UNIT #038H	Oil	Active	Avant Operating, LLC	32.55761	-103.50732		LEA, BONE SPRING	_
			Plugged (site						
30-025-02433	PRE-ONGARD WELL #003	Oil	released)	PRE-ONGARD WELL OPERATOR	32.57073	-103.53381	3,708	N/A	N/A
30-025-43093	LEA UNIT #040H	Oil	Active	Avant Operating, LLC	32.55761	-103.50715	10,430	LEA, BONE SPRING	-
	LITTLE BEAR FEDERAL COM								
30-025-45149	#002H	Oil	Active	COG OPERATING LLC	32.52344	-103.55847	11,266	BERRY, BONE SPRING, NORTH	-
30-025-44329	LEA UNIT #043H	Oil	Active	Avant Operating, LLC	32.5576	-103.50699	9,590	LEA, BONE SPRING	-
		Salt Water						LYNCH, YATES-SEVEN RIVERS, MIDDLE;	
30-025-26458	WALLEN BASS #002	Disposal	Active	RHCJ ENTERPRISES, LLC	32.55317	-103.56635	3,707	SWD, YATES-SEVEN RIVERS	-
30-025-40055	LUCY FEDERAL #002	Oil	Active	3R Operating, LLC	32.57134	-103.53845	3,860	LEA, YATES	-
30-025-40471	IGLOO BRR STATE #001C	Oil	Cancelled	CAZA OPERATING, LLC	32.55164	-103.50298	0	LEA, BONE SPRING, SOUTH	-
	MARATHON ROAD 15 B3LD								
30-025-43375	FEDERAL #001H	Oil	Cancelled	MEWBOURNE OIL CO	32.56627	-103.55504	0	LEA, BONE SPRING	-
30-025-42361	IGLOO 19 STATE #007C	Oil	Cancelled	CAZA OPERATING, LLC	32.55192	-103.50268		LEA, BONE SPRING, SOUTH	-
			Plugged (site	PIONEER NATURAL RESOURCES USA					
30-025-02436	HANSON A FEDERAL #001	Oil	released)	INC	32.57133	-103.54166	3,768	LEA, YATES	8/9/1990
			Plugged (site				,	,	
30-025-02629	PRE-ONGARD WELL #001	Oil	released)	PRE-ONGARD WELL OPERATOR	32.51412	-103.53567	3.755	LYNCH, YATES-SEVEN RIVERS	N/A
			Plugged (site				-,		
30-025-22907	PRE-ONGARD WELL #001	Gas	released)	PRE-ONGARD WELL OPERATOR	32.57133	-103.5283	14.546	LEA, PENN (GAS)	N/A
00 020 22007			Plugged (site	THE STOPHIS WELL STEELSTON	02.07.100	100.0200	2.,0.0	22.4. 2.4. (6.16)	
30-025-02622	PRE-ONGARD WELL #001	Oil	released)	PRE-ONGARD WELL OPERATOR	32.51412	-103.53353	3 783	LYNCH, YATES-SEVEN RIVERS	N/A
00 020 02022	THE ONOTHIS WELL HOUT	O.C	Plugged (site	THE ONOTHER WELL OF EIGHT ON	02.01412	100.00000	0,700	ETTOTI, TATEO OEVERTINVERIO	1477
30-025-08343	PRE-ONGARD WELL #002	Oil	released)	PRE-ONGARD WELL OPERATOR	32.51412	-103.53781	3 764	LYNCH, YATES-SEVEN RIVERS	N/A
00 023 00040	THE ONOTHER WELL HOUZ	O.C	reteaseay	THE GROWING WEEK OF ENVIOR	02.01412	100.30701	0,704	ETHOLI, IMEG GEVERTINVERG	1077
30-025-40618	STRATOSPHERE 36 STATE #001H	Oil	Active	COG OPERATING LLC	32.52774	-103.50522	10 672	BERRY, BONE SPRING, NORTH	_
00 020 40010	STIATOSI TIERE SO STATE #00111	Oit	Active	OGG OF ENAMING EEG	02.02774	100.50022	10,072	BEINT, BONE OF MINO, NORTH	
30-025-40302	LIGHTNING P-38 STATE #002H	Oil	Active	COG OPERATING LLC	32.51685	-103.51848	11 498	BERRY, BONE SPRING, NORTH	_
30-025-42380	IGLOO 19 STATE #008C	Oil	Cancelled	CAZA OPERATING, LLC	32.55192	-103.50203		LEA, BONE SPRING, SOUTH	_
00 020 42000	TOESS IS STATE WOOSE	O.C	Plugged (site	SALITOT ETT TITLE	02.00102	100.00200		ELT, BOILE OF THING, COOTE	
30-025-02635	PRE-ONGARD WELL #004	Oil	released)	PRE-ONGARD WELL OPERATOR	32.51323	-103.54102	3 788	LYNCH, YATES-SEVEN RIVERS	N/A
30-023-02033	TRE-ONOARD WELL #004	Oit	Plugged (site	THE-ONOARD WELL OF ENATOR	32.31323	-103.34102	3,700	ETHOTI, TATES-SEVENTIVENS	IN/A
30-025-02623	PRE-ONGARD WELL #002	Oil	released)	PRE-ONGARD WELL OPERATOR	32.51231	-103.53353	2 017	LYNCH, YATES-SEVEN RIVERS	N/A
30-023-02023	TRE-ONOARD WELL #002	Oit	Plugged (site	THE-ONOARD WELL OF ENATOR	32.31231	-103.33333	3,017	ETNOTI, TATES-SEVENTINVERS	IV/A
30-025-02631	PRE-ONGARD WELL #003	Oil	released)	PRE-ONGARD WELL OPERATOR	32.51231	-103.53568	2 700	LYNCH, YATES-SEVEN RIVERS	N/A
00-020-02001	I NE-ONGAND WELL#003	OIL	· · · · · · · · · · · · · · · · · · ·	I IL-ONGARD WELL OPERATOR	32.31231	-103.33308	3,760	LINGH, IMIES-SEVEN RIVERS	IN/A
20 025 02622	DDE ONGADD WELL #004V	Oil	Plugged (site	DRE ONCARD WELL OPERATOR	20 F100	102 520	2.752	LVNCH VATES SEVEN DIVERS	NI/A
30-025-02628	PRE-ONGARD WELL #001Y	Oil	released)	PRE-ONGARD WELL OPERATOR	32.5123	-103.536	3,/53	LYNCH, YATES-SEVEN RIVERS	N/A
00 005 4400 4	OTDATOODUEDE OO OTATE "COOO	0:1	0	OOO OPERATING LLO	00 5000	400 50500	_	DEDDY DONE ODDING MODELL	
30-025-41634	STRATOSPHERE 36 STATE #002C	UIL	Cancelled	COG OPERATING LLC	32.5232	-103.50566	0	BERRY, BONE SPRING, NORTH	-

### **ATTACHMENT 3**

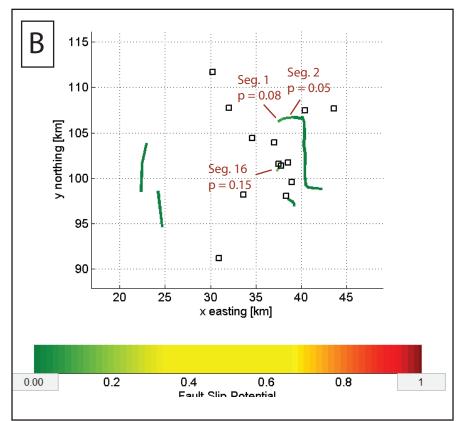
Updates to Induced Seismicity Risk Assessment

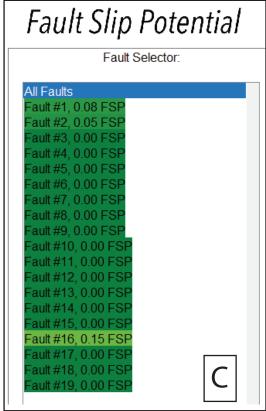






Panel A. Fault slip probability throughout the entire simulated injection period. Compared to previous modeling investigations (i.e., during intial permitting), slip probability risk is lessened due to previous SWD well applications no longer being pursued.



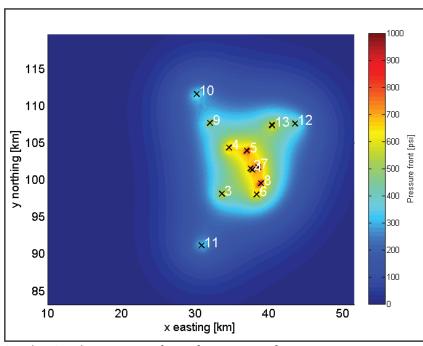


Panels B and C. Map view illustrating model-estimated slip potential of faults within the project area (B) and a tabulated summary of model-predicted slip probability for all model fault segments (C).

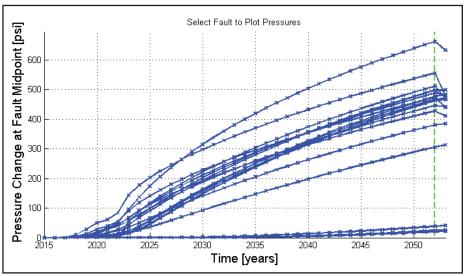


### Summary of Model-Predicted Pressure Effects in Response to Simulated Scenario Injection Well Scenario

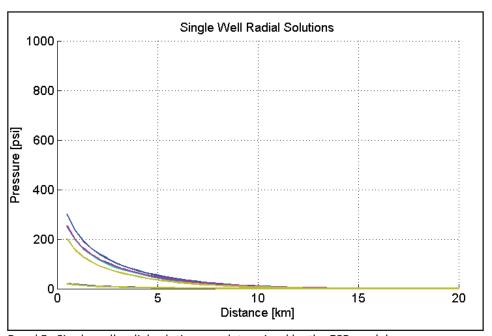




Panel A. Resultant pressure front after 30 years of injection operations at the maximum anticipated rates, as reported in NMOCD records.



Panel C. Model-predicted pressure change through time at the midpoint of each fault segment included in the simulation



Panel B. Single well radial solutions, as determined by the FSP model.

### Injection Wells Considered by Simulation:

Lease Name:	API #:	Volume (bbls/day)
Libby AGI #1	TBD	3800
Libby AGI #2	TBD	3800
Corazon 4 St. SWD #2	30-025-42527	25000
Quail 16 St. SWD #9	30-025-43422	30000
Libby Berry Fee SWD #2	30-025-45344	25000
Lightning 1 St. SWD #2	30-025-43474	25000
Libby Berry Fee SWD #1	30-025-44288	25000
Okeanos SWD #1	30-025-44189	25000
Smith Ranch SWD #1	30-025-42974	20000
Smith Ranch SWD #2	30-025-45470	25000
Dagger St. SWD #1	30-025-45815	25000
Klein 4 SWD #1	30-025-46747	25000
Klein 6 SWD #1	TBD	30000





Delek Logistic Partners, LP

DKL Field Services, LLC

AGI Well Update for NMOCD

**February 20, 2025** 



## **Agenda**

- Attendees and Introductions
- DKL Growth Story
  - ☐ Inorganic Growth
  - Organic Growth
- Request for Extension to Inject
  - ☐ Authorization to Inject Timelines
  - ☐ Project & Supply Chain Timelines
- Request for Design Changes
  - Inward Change to Surface Location
  - ☐ Improvements to Design
- Deliverables to NMOCD
  - ☐ DKL Field Services, LLC
  - ☐ Geolex
- Timing for NMOCD Response



### **Introductions**

- ➤ Attendees and Introductions

  □ NMOCD
  □ Geolex
  ✓ David White
  □ DRC
  - ✓ David Catanach
  - □ DKL
    - ✓ Michael Odigie, SVP, Operations (joined DKL in 2018)
      - BS in Eng, Materials & Metallurgical Engineering as well as a PhD in Quality Systems (Technology Management)
      - Licensed & certified in 10+ areas (Including Texas Board of Professional Engineers)
    - ✓ Harry Lewis; Sr. Director, EHS (joined DKL in 2019)
      - BS in Chemistry
      - 25 years experience in Midstream, Downstream, and Specialty Chemicals/Petrochemical industries



## **DKL Story - Before Entry into NM**

- New company in 2012
- Majority owned by Delek US
- Separately Publicly Traded on NYSE as DKL
- Consistently strong return
- Crude oil pipelines and bulk fuel terminals < 2022</p>

#### Pipelines/Transportation Segment

- ~805 miles (1) of crude and product transportation pipelines, including the 195mile crude oil pipeline from Longview to Nederland, TX
- ~ 600-mile crude oil gathering system in AR
   ~200-mile Gathering System
- in the Midland Basin
   Storage facilities with 10 million barrels of shell
- Rail offloading facilities

#### Wholesale/Terminalling Segment

- Wholesale and Marketing business in West Texas
- 10 light product terminals in
  TY TN AP
- Approx. 1.4 million barrels of shell capacity



## **DKL Story - Entry into NM**

- Diversify Midstream O&G Operations
- Acquisition of 3 Bear in Jun 2022



Key Statistics								
	Gas Gathering & Processing	Crude Gathering & Storage	Water Gathering & Disposal					
Dedicated Acreage	57,600	160,160	132,480					
Avg. Remaining Contract Tenor (Yr.)	11	9	9					
Current Volumes 12/31	48 MMcf/d	65kbpd	80kbpd					
System Capacity	88 MMcf/d Processing	120 Mbbl Storage	200kbpd Disposal					
Pipeline Capacity	150 MMcf/d	140kbpd	220kbpd					
Miles of Pipeline	95	220	170					



- Diverse customer base of investment grade, public, and private operators
- 18+ customers across the 3Bear systems
- <6% average customer concentration based 3Bear's dedicated acreage portfolio

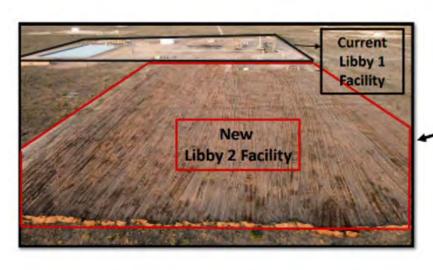
# **DKL Story – The Libby Complex in Lea County**

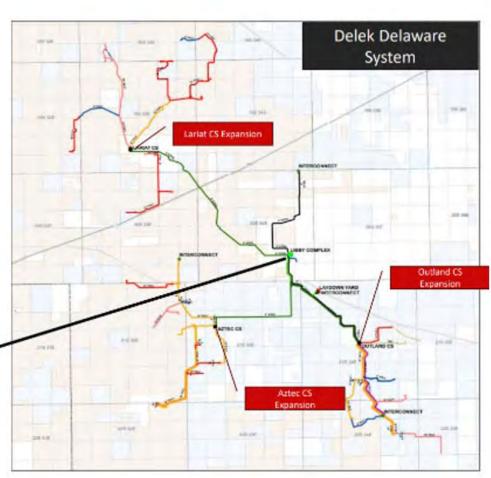
- Three distinct operations at the Libby Complex
- Room for continued growth



# **DKL Story – The Libby Gas Complex**

- Began construction of Libby 2 in Aug 2024
- Addition of 120MM SCFD Capacity





# **DKL Growth – Libby Gas Plant**







### Expansion of Libby Gas Plant

- ☐ Expansion of Libby Gas Plant
  - ✓ Impact of WEG Lawsuit v. NMED re: LGP M3 Air Permit
  - ✓ Appeals court affirmed M3 Air Permit Dec 2023
  - ✓ Construct Libby 2: Aug 2024
  - ✓ Startup Libby 2: Apr 2025
  - ✓ Libby 3 and Additional Sour Gas Compression: 1H2026





Delek

## **Request for Extension to Inject**

- > Request for Extension to Inject After Jul 18, 2025
  - AGI Well #1
    - ✓ Casing Design: Dec 2024 (SLB)
    - ✓ Casing & Tubing, & Completion Equipment sourcing: Jan 2025 Feb 2025
    - ✓ Rig Sourcing: Jan 2025 Feb 2025 (Nabors)
    - ✓ Spud, Construct, Complete & Test: Apr 28, 2025 Jul 11, 2025 (SLB)
    - ✓ Purchase Order commitments at 30% of project
  - AGI Facilities
    - ✓ Compression\* Specification & Sourcing: Oct 2024 Apr 2025 (Journey)
    - ✓ Long Lead Electrical Equipment\* Specification & Sourcing: Jan 2025 Apr 2025 (Journey)
    - ✓ FEED: Feb 2025 Mar 2025 (ZAP)
    - ✓ Sourcing of Detailed Design & Construction Contractor : Apr 2025 May 2025
    - ✓ Detailed Design & Construction: May 2025 Jul 2026
    - ✓ Commissioning and TAG Injection: Jul 2026
      - \* ~ 50-week delivery based on current market intelligence

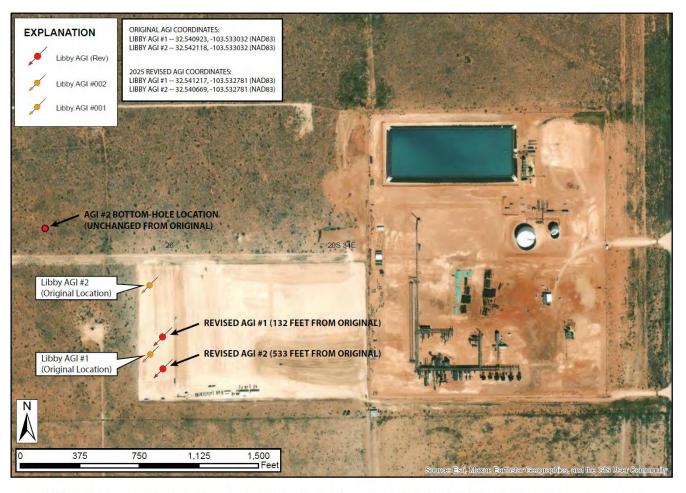


## **Request for Design Changes**

- Geolex Proposed Changes
  - ☐ Inward change to surface locations
    - Moving away from property boundary
    - ✓ Updated Survey before Mar 31?
  - ☐ Updated Area of Review for nearby owners/operators
    - ✓ No new Os/Os since Jun 2024 AOR
  - Validated Fault Slip Potential analysis confirms prior results
  - Changes in location do not negatively impact injection plumes
  - Upgrades to casing design strengthen design
  - Request for extension to permit duration to accommodate drilling activities and avoid need to submit emergency request due to well installatoin delays
  - Submittal of Blanket Bond for Wells shows adequate coverage
  - ☐ Submittal of H2S Contingency Plan before Jun 30

# RecAGIWell Updates for NMOCD:

# **Request for Design Changes**



Aerial photographic location map illustrating original and revised Libby AGI well locations and currently anticipated bottom-hole location for Libby AGI #2





Delek Logistic Partners, LP

DKL Field Services, LLC

AGI Well Update for NMOCD

**February 20, 2025** 



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

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION FOR THE PURPOSE OF CONSIDERING:

APPLICATION OF 3BEAR FIELD SERVICES, LLC FOR AUTHORIZATION TO INJECT ACID GAS INTO THE PROPOSED LIBBY AGI #1 AND AGI #2 WELLS, SECTION 26, TOWNSHIP 20 SOUTH, RANGE 34 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO

> CASE NO. 20409 ORDER NO. R-20694

## ORDER OF THE COMMISSION

THIS MATTER came before the New Mexico Oil Conservation Commission ("Commission") on the application of 3Bear Field Services, LLC ("3 Bear" or the "Applicant"). The Commission, having conducted a public hearing on June 6, 2019 in Santa Fe, New Mexico, and considered the testimony and the record in this case, as well as the arguments of the parties, and being otherwise fully advised, enter the following findings, conclusions and order on this 18th day of July, 2019.

## FINDS THAT:

- 1. Notice has been given of the application and the hearing of this matter, and the Commission has jurisdiction of the parties and the subject matter herein.
- 2. On March 5, 2019, 3Bear filed an application (OCD Form C-108 and attachments), seeking authority to inject treated acid gas ("TAG") consisting of carbon dioxide ("CO2") and hydrogen sulfide ("H2S") from its Libby Gas Plant (the "Plant") into its proposed Libby Acid Gas Injection ("AGI") No. 1 well and its proposed Libby Acid Gas Injection ("AGI") No. 2 Well. The proposed Libby AGI No. 1 well will be a vertical well with a surface and bottom hole location at 1970 feet from the West line and 1475 feet from the South line of Section 26, Township 20 South, Range 34 East. The proposed Libby AGI No. 2 well will be a deviated well with a surface location at 1970 feet from the West line and 1910 feet from the South line of Section 26, Township 20 South, Range 34 East, and a bottom hole location of 1320 feet from the West line and 2275 feet from the South line of Section 26, Township 20 South, Range 34 East, N.M.P.M., Lea County, New Mexico. The target injection zones are located in the Devonian, Upper Silurian Wristen, and Fusselman formations, at an approximate depth interval of 14,900 feet to 16,400 feet below the surface at a maximum allowable surface operating pressure of 4,525 psig, for a maximum injection rate of 8 million standard cubic feet per day ("MMSCFD").

Case No. 20409 Order No <u>R-20694</u> Page 2 of 11

- The Form C-108 Application was complete and contains all the information necessary to grant approval.
- 4. The surface on which the two wells are to be drilled is owned by the Applicant and the minerals owned by the federal government. The adjacent operators and the U.S. Bureau of Land Management support 3Bear's application.
- 5. The purpose of the proposed Class II injection wells is to dispose of natural gas processing wastes consisting of CO<sub>2</sub> and H<sub>2</sub>S from the Applicant's Libby Gas Plant by injecting TAG into the target zones. It is estimated the TAG will consist of approximately 10-15 percent H<sub>2</sub>S and 85-90 percent CO<sub>2</sub>, although the relative concentrations will vary with inlet gas composition.
- 6. The two wells are intended as redundant wells to assure continuous operation of the Plant should one well require repairs. Under normal operations both wells may be operated simultaneously, or may be used independently.
- 7. The surface location of both wells will be located within the boundary of the Plant premises.
- 8. Applicant's Pre-Hearing Statement filed April 4, 2019, and Amended Pre-Hearing Statement filed May 30, 2019, both included a corrected page 11 evidencing the execution of the Application by Geolex, Inc. on behalf of Applicant.
- 9. Applicant provided personal notice via certified mail, return receipt requested, of its Application and the Commission hearing to all operators, surface owners, and lessees within a combined one-mile radius of the location for the proposed wells.
- 10. Pursuant to 19.15.4.9.B(3) NMAC, the Division provided public notice by publishing notice of 3Bear's application and the Commission hearing in a newspaper of general circulation in Lea County.
- 11. As of the date of this order, no objections to the application were filed. The Division entered an appearance in this matter, and presented five exhibits in support of the testimony offered by the Division's witness, Mr. Phillip Goetze. Mr. Goetze testified in support of approval of the application subject to incorporating the conditions set forth in the Division's Exhibit 5.
- 12. In support of its application, 3Bear presented direct testimony from two witnesses: one fact witness, Mr. Michael Solomon, 3Bear's Senior Vice President Engineering and Operations, and a technical witness, Mr. Alberto Gutierrez, RG President of Geolex, Inc.
- 13. Mr. Solomon provided background information for 3Bear, and testified that the Libby Gas Plant has been operating since the 3<sup>rd</sup> Quarter of 2018, and has a permanent full-time staff of about 19 people, with plans for future growth.

Case No. 20409 Order No <u>R-20694</u> Page 3 of 11

- 14. Mr. Solomon testified that currently there is an extensive LP/HP gathering line in place meeting industry standards for transporting sour gas, and all new steel pipes will be constructed and tested from compressor station to plant built to meet NACE SSC Region 3 Specs, including a metering system with electronic flow measurement and real-time SCADA communications aiding in leak detection and loss prevention.
- 15. Mr. Solomon further testified regarding 3Bear's proposed gas processing expansion for the Libby Plant which includes new compressor stations designed to meet NACE SSC Region 3 Specs, and compression (including AGI compressors) designed for Ariel Sour Level 2 Service.
- 16. Mr. Solomon testified as to the environmental and economic benefits of the Libby Plant including: (i) permanent sequestration of greenhouse gases, reducing the carbon footprint of oil and gas development by eliminating sulfur compounds and reducing GHG emissions to the atmosphere; (ii) providing construction jobs for building the facility and AGI wells; (iii) permanent operations jobs for the plant; (iv) improving worker safety at the Plant; and (iv) allowing increased royalties to flow to the State of New Mexico and federal government by increasing production capacity through providing additional gas treatment capacity.
- 17. Mr. Solomon testified that the proposed AGI wells are integral to the Libby Plant if the Plant is to significantly reduce net GHG emissions in southeast New Mexico, and that the two AGI wells will create redundancy by allowing the Plant to be operated without interruption should one well require maintenance or repairs.
- 18. The expert witness for 3Bear, Mr. Alberto Gutierrez, RG, testified that the injection of TAG through the proposed AGI wells will be at a maximum rate of 8.0 MMSCF per day, at a maximum operating surface pressure of 4,525 psig.
- 19. Mr. Gutierrez testified that with a safety factor of 100 percent, with total injection into a single well at 8.0 MMSCFD, the radius of influence for either well after injecting for 30-years will be 0.38 mile (2,027 feet).
- 20. Mr. Gutierrez testified the proposed injection zone is into the Silurian, Fusselman, Wristen and Devonian formations at depths of approximately 14,900 to 16,400 feet subsurface, and the zone provides a sufficient capacity and geologic seal to contain the injected TAG and prevent its migration into other zones. The injection zone is sufficiently isolated from any protectable groundwater sources and there is no evidence injection will impair existing or potential hydrocarbon production in the area. No faults or other geologic or manmade conduits will allow the treated injected acid gas to migrate out of the injection zone.
- 21. Fresh water will be protected by surface casing, which will extend to approximately 1950 feet below the surface. The salt zone, including the Salado formation, will be isolated by the first intermediate casing to approximately 3350 feet below the surface. All casing strings will be cemented to the surface, pressure tested and verified using 360-degree

Case No. 20409 Order No <u>R-20694</u> Page 4 of 11

cement bond logs. The casing and cement program will meet all U.S. Bureau of Land Management guidelines and requirements, in addition to all Division requirements.

- 22. The AGI wells annular space will be filled with corrosion-inhibited and biocidetreated diesel fuel.
- 23. Annular and injection tubing pressures and temperatures will be continuously monitored and recorded. The well will also be equipped with downhole pressure and temperature monitoring equipment. As detailed in the C-108, 3Bear also will do the following:
  - a. Obtain initial bottomhole pressure and temperature values after drilling and prior to commencing injection.
  - b. Perform a step-rate test and ten-day fall-off test prior to injection to provide baseline reservoir data.
  - c. Monitor injection pressure, temperature, injection rate, and annular pressure.
  - d. Use bottomhole reservoir and surface pressure/temperature data to develop a well-specific empirical relationship between observed surface and bottomhole data.
  - e. Use TAG and/or wellbore models to predict bottomhole pressure/temperature conditions based on measured surface data, and tested against the empirical relationships established by measured surface and bottomhole data.
  - f. In the event of any data gaps or bottomhole sensor failures, 3Bear will use TAG and/or wellbore models with empirical data to fill in missing bottomhole data.
  - g. In the event of an extended bottomhole pressure/temperature sensor failure 3Bear may perform periodic bottomhole pressure monitoring using slickline pressure tools only if data from such temporary device is necessary to fill in data for relevant analyses, and only at times when the well(s) is/are off-line.
  - h. After approximately five years of operation, 3Bear may perform additional testing to compare with the baseline measured prior to injection.
  - i. 3Bear will use the data obtained through the foregoing activities to conduct the periodic five-year reservoir performance analysis comparing actual reservoir performance against 3Bear's predicted performance.
- 24. 3Bear presented evidence that injection of the proposed TAG stream will protect the environment and human health, and will not cause waste or impair correlative rights.
- 25. The revised H<sub>2</sub>S Contingency Plan for the Libby Plant is being prepared and will be submitted for approval by the Division prior to the commencement of operations.
- 26. Phillip Goetze, P.G. with the Division's Engineering Bureau, submitted the following exhibits to the Commission: (1) a plat depicting pending applications and approved SWD orders as of May 30, 2019 as based on the OCD's GIS database; (2) a copy of a letter to Mr. Goetze dated May 3, 2019 from Mr. Gutierrez and the results of the seismic survey review and fault slip probability assessment conducted by Geolex, Inc. enclosed with the letter (also

Case No. 20409 Order No <u>R-20694</u> Page 5 of 11

submitted by 3Bear as Exhibit 5); (3) a 2019 inventory of UIC Class II Acid Gas Injection Wells located in New Mexico; (4) the curriculum vitae of Mr. Goetze; and (5) a list of the Division's 18 conditions for approval of the application recommended by Mr. Goetze.

- 27. Mr. Goetze testified that the Division recommended 3Bear's application be approved as submitted subject to the standard conditions for Acid Gas Injection (UIC Class II Disposal Wells) and the additional conditions set forth in the Division's Exhibit 5.
- 28. The Division's additional conditions for approval, as modified at hearing by the Commissioners, are as follows:
  - a. Conduct a mechanical integrity test (MIT) on the proposed AGI well annually.
  - b. Conduct continuous monitoring of surface treated acid gas (TAG) injection pressure, temperature and rate, surface annular pressure and bottom-hole [i.e. "end of tubing"] temperatures and pressures inside the tubing and in the annulus.
  - c. Conduct a step-rate test and fall-off test on the completed well before commencing injection. The maximum injection pressure for the proposed well may be appropriately adjusted after a step-rate test with the approval of the Division Director.
  - Include a biocide and corrosion inhibited diesel in the annular fluid of the wells.
  - e. Keep a maintenance log that includes volumes of annular fluid (diesel) replacement activities in the annulus of the wells.
  - f. Incorporate temperature-activated controls to govern the temperatures of injected fluid within parameters set by the operator and provide an alarm system for those controls should the parameters be exceeded.
  - g. Equip the wells with a pressure-limiting device as well as a one-way safety valve (with the proper interior drift diameter) on the tubing approximately 250 feet below the surface.
  - h. Provide summary data on injection parameters monitored in Condition b. above, as requested by the Division, in quarterly reports. After one year of operation and if requested by the operator, the Division may approve submission of such reports on an annual cycle.
  - Prior to commencing injection, the operator shall prepare and secure approval
    of the Division's Environmental Bureau (Santa Fe office) of a hydrogensulfide contingency plan that complies with Rule 19.15.11.9 NMAC, and

Case No. 20409
Order No <u>R-20694</u>
Page 6 of 11

provide a map of associated gathering lines with a GIS overlay to the Division as part of the plan.

- j. Thirty days prior to commencing injection, the operator shall coordinate with the Division to establish immediate notification parameters for annulus pressure and tubing and casing differential pressure at a set injection temperature.
- k. Ninety days after commencing injection, the operator shall review the preinjection immediate notification parameters with the Division. If the Division determines that the parameters require modification, new immediate notification parameters shall be developed and implemented in coordination with the Division.
- The immediate notification parameters shall be reviewed jointly by the operator and the Division periodically, but not less frequently than once a year.
- m. All well drilling logs (including mudlogs, electric logs and daily logs) and the static bottom-hole pressure measured at completion of drilling the well shall be submitted to the Division's District Office.
- n. The operator shall every five years, once injection begins, provide the Division with a report that compares the reservoir pressures, volumes injected and projected TAG plume extent to those estimated in the C-108 application, together with summarizing the AGI wells' performance (including, but not limited to, injected volumes by fluid type and reservoir pressures) and potential calibration of models due to information collected during the prior five-year period. 3Bear will use data collected and analyses conducted pursuant to Paragraph 23, above, to prepare this analysis. The report shall include an updated model of current and projected plume migration and shall use the modeling technology in standard use at the time of the report and any available information about plume migration. At the request of the Commission, the operator shall provide in-person presentations of its data and analysis regarding the AGI wells' performance.
- o. Concurrent with the report to be provided to the Division under Paragraph 28.n., above, the operator of the AGI wells will present modeling, if necessary, to demonstrate that the AGI wells are not influencing adjacent salt water disposal wells.
- p. All casing should have cement circulated to the surface, with an additional casing string through the Salado formation at an estimated depth of 2,100 feet to 3,350 feet from the surface.

Case No. 20409 Order No <u>R-20694</u> Page 7 of 11

- q. Well construction should be designed for exposure to corrosive environment including, but not limited to, casing, casing cement, and the packer in proximity of injection interval.
- r. The final reservoir evaluation should confirm that the open-hole portion of the AGI wells does not intersect the fault plane of any identified fault especially for those wells having the Devonian and Silurian sections for disposal intervals.
- s. A requirement for the installation of a redundant AGI well within three years of injection commencing in the first AGI well.
- t. Provide to the Division documentation of 3Bear's current bond in place with the Bureau of Land Management.
- u. In the event 3Bear transfers ownership of the Libby AGI No. 1 and/or Libby AGI No. 2 wells, 3Bear shall seek approval of such change in ownership from the Division pursuant to 19.15.9.9 NMAC.
- v. After thirty (30) years from the date of the Commission's order in this case, the authority granted by this order shall terminate unless applicant, or its successor in interest, shall make application before the Commission for an extension of its authority to inject.
- w. At least ninety days prior to commencing injection or before Division approval of any transfer of ownership, 3Bears will submit a request with OCD to amend Administrative Order SWD-1728-A to include a condition that the amount of salt water injected per day into the Libby Berry Fee Salt Water Disposal Well No.1 (API 30-025-44288) not exceed 20,000 barrels. Concurrent with the 5 year report to be provided to the Division above, the operator may seek approval of the Division to increase the SWD injection limits by sufficiently demonstrating that the AGI wells are not negatively influencing adjacent salt water disposal wells.

#### CONCLUSIONS

- The Commission has jurisdiction over the parties and the subject matter of this case.
  - 2. Proper public notice has been given.
- 3. Proper individual notice has been given to all operators, surface owners, and lessees within a one-mile radius of the proposed injection well.

Case No. 20409 Order No <u>R-20694</u> Page 8 of 11

- 4. 3Bear's request for a maximum allowable operating pressure for injection of 4,525 pounds per square inch (psi) should be approved.
- 5. 3Bear's injection of CO<sub>2</sub> and H<sub>2</sub>S can be conducted in a safe manner without causing waste, impairing correlative rights, negatively impacting oil and gas producing zones, or endangering fresh water, public health, or the environment.
- 6. 3Bear's proposed injection of CO<sub>2</sub> and H<sub>2</sub>S is an environmentally superior means of disposing of CO<sub>2</sub> and H<sub>2</sub>S because it will result in a net reduction in overall air emissions, including greenhouse gases, from the Libby Gas Plant and 3Bear facilities.

### IT IS THEREFORE ORDERED THAT:

- 1. 3Bear Field Services, LLC's application is approved as provided in the Form C-108 as modified by the conditions addressed below. 3Bear is hereby authorized to drill and operate the Libby AGI No. 1 and Libby AGI No. 2 wells to be located in Section 26, Township 20 South, Range 34 East, N.M.P.M., Lea County, New Mexico, to dispose of TAG containing CO<sub>2</sub> and H<sub>2</sub>S from 3Bear's Libby Gas Plant through injection into the Devonian, Upper Silurian, Wristen, and Fusselman formations at a maximum allowable surface operating pressure of 4,525 pounds per square inch and a maximum daily injection rate of 8 million standard cubic feet per day ("MMSCFD").
- 2. The Libby AGI No. 1 and Libby AGI No. 2 wells shall be constructed substantially in accordance with the description in the Form C-108 filed by the Applicant in this case, as amended, and as modified by the conditions set out in Findings Paragraph No. 28, above.
- 3. The maximum allowable operating pressure for each of the Libby AGI No. 1 and Libby AGI No. 2 wells shall be 4,525 psig. 3Bear shall conduct a step-rate test and fall-off test on the completed wells before commencing injection. Based on the step-rate test, the Division Director may allow an increase in the maximum allowable operating pressure.
- 4. The operator shall be required to conduct a MIT in accordance with the Division rules on each of the Libby AGI No. 1 and Libby AGI No. 2 wells once every year.
- 5. The casing-tubing annulus of each of the Libby AGI No. 1 and Libby AGI No. 2 wells shall be loaded with diesel fluid treated with corrosion inhibitors and biocides and each well equipped with a pressure gauge or approved leak-detection device to detect any leakage in the casing, tubing, or packer.
- 6. The operator shall keep a maintenance log that includes volumes of annular fluid (diesel) replacement activities in the annulus of the wells.

Case No. 20409 Order No <u>R-20694</u> Page 9 of 11

- 7. Thirty days prior to commencing injection, the operator shall coordinate with the Division to establish immediate notification parameters for annulus pressure and tubing and casing differential pressure at a set injection temperature. The operator shall provide an alarm system for those controls should the parameters be exceeded.
- 8. Equip the wells with a pressure-limiting device as well as a one-way safety valve (with the proper interior drift diameter) on the tubing approximately 250 feet below the surface.
- 9. Ninety days after commencing injection, the operator must review the preinjection immediate notification parameters with the Division. If the Division determines that the parameters require modification, new immediate notification parameters shall be developed and implemented in coordination with the Division.
- 10. The immediate notification parameters shall be reviewed jointly by the operator and the Division periodically, but not less than once a year.
- 11. The operator shall continuously monitor and record injection data including injection rates, injection and annular pressures, injection temperature, bottom hole injection pressure and temperature on a continuous basis and provide a quarterly report to the Engineering Bureau in the Division's Santa Fe Office and to the Division's District I Office. Each such report shall include the well name, location, API number and the number of this order. After one year 3Bear may apply to the Division to submit such data annually.
- 12. Prior to commencing injection, the operator shall prepare and secure approval of the Division's Environmental Bureau (Santa Fe office) of a hydrogen-sulfide contingency plan that complies with Rule 19.15.11.9 NMAC, and provide a map of associated gathering lines with a GIS overlay to the Division as part of the plan.
- 13. The operator shall every five years, once injection begins, provide the Division with a report that compares the reservoir pressures, volumes injected and projected TAG plume extent to those estimated in the C-108 application, together with summarizing the AGI wells' performance (including, but not limited to, injected volumes by fluid type and reservoir pressures) and potential calibration of models due to information collected during the prior five-year period. 3Bear may use data collected and analyses conducted pursuant to Paragraph 23, above, to prepare this analysis. The report shall include an updated model of current and projected plume migration and shall use the modeling technology in standard use at the time of the report and any available information about plume migration. At the request of the Commission, the operator shall provide in-person presentations of its data and analysis regarding the AGI wells' performance.
- 14. The operator's final reservoir evaluation should confirm that the open-hole portion of the AGI wells does not intersect the fault plane of any identified fault especially for those wells having the Devonian and Silurian sections for disposal intervals.

Case No. 20409 Order No <u>R-20694</u> Page 10 of 11

- 15. The operator shall install a redundant AGI well within three years of injection commencing in the first AGI well.
- 16. 3Bears shall provide to the Division documentation of its current bond in place with the Bureau of Land Management.
- 17. In the event 3Bear transfers ownership of the Libby AGI No. 1 and/or Libby AGI No. 2 wells, 3Bear shall seek approval of such change in ownership from the Division pursuant to 19.15.9.9 NMAC.
- 18. Concurrent with the report to be provided to the Division under Paragraph 28.n., above, the operator of the AGI wells will present modeling, if necessary, to demonstrate that the AGI wells are not influencing adjacent salt water disposal wells.
- 19. At least ninety days prior to commencing injection or before Division approval of any transfer of ownership, 3Bears shall submit a request with OCD to amend Administrative Order SWD-1728-A to include a condition that the amount of salt water injected per day into the Libby Berry Fee Salt Water Disposal Well No.1 (API 30-025-44288) not exceed 20,000 barrels. Concurrent with the 5 year report to be provided to the Division above, the operator may seek approval of the Division to increase the SWD injection limits by sufficiently demonstrating that the AGI wells are not negatively influencing adjacent salt water disposal wells.
- 20. The Division Director shall have discretion to determine whether any modifications to this order that may be requested by 3Bear, or imposed by the U.S Bureau of Land Management, may be administratively approved by the Division or if a hearing before the Commission is required.
- 21. The injection authority herein granted shall terminate three years after the effective date of this order if the operator has not commenced injection operations pursuant hereto. The Division Director, upon written request of the operator submitted prior to the expiration of this order, may extend this time for good cause shown.
- 22. Compliance with this order does not relieve the operator of the obligation to comply with other applicable federal, state, or local laws or rules, or to exercise due care for the protection of fresh water, public health and safety and the environment.
- 23. Jurisdiction over this case is retained for the entry of such further orders as the Commission may deem necessary.

Case No. 20409

Order No R-20694

Page 11 of 11

DONE at Santa Fe, New Mexico, on this 18th day of July 2019

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

DR. THOMAS ENGLER, P.E., MEMBER

JORDAN KESSLER, Esq., MEMBER

ADRIENNE SANDOVAL, M.E., CHAIR

SEAL

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 450202

#### **CONDITIONS**

Operator:	OGRID:
NEW MEXICO ENERGY MINERALS & NATURAL RESOURCE	264235
1220 S St Francis Dr	Action Number:
Santa Fe , NM 87504	450202
	Action Type:
	[HEAR] Post Hearing Statement (POST HEARING STATEMENT)

#### CONDITIONS

C	Created By	Condition	Condition Date
	pgoetze	None	4/9/2025