U.S. Department of the Interior BUREAU OF LAND MANAGEMENT		Sundry Print Repor
Well Name: J L KEEL A	Well Location: T17S / R31E / SEC 7 / SESW / 32.8426431 / -103.9114521	County or Parish/State: EDDY / NM
Well Number: 3	Type of Well: INJECTION - ENHANCED RECOVERY	Allottee or Tribe Name:
Lease Number: NMLC029435A	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001505091	Operator: LH OPERATING LLC	

Notice of Intent

Sundry ID: 2785007

•

Type of Submission: Notice of Intent

Date Sundry Submitted: 04/15/2024

Date proposed operation will begin: 06/01/2024

Type of Action: Workover Operations Time Sundry Submitted: 07:42

Procedure Description: 1. Move in rig up workover rig. Bleed off well head pressure. ND wellhead and NU BOP. 2. Unhook injection line and meter run. 3. ND wellhead and NU BOP. 4. Unset packer. Pull out of hole with tubing. Inspect tubing as pulling out of hole. 5. Send packer to shop for redress or replace with new packer based on condition. 6. Replace tubing as needed from visual inspection. 7. Pick up reconditioned or new packer and run in hole on the tubing while testing the tubing below the slips to 4500 psi (test tools to be coated). Replace tubing as needed. 8. Once on depth above perforations, circulate in packer fluid (corrosion inhibitor and biocide) mixed in fresh water. 9. Set packer. ND BOP and NU wellhead. Install meter run. 10. Notify NMOCD field representative to witness test. Perform mechanical integrity test. Return to water injection.

Surface Disturbance

Is any additional surface disturbance proposed?: No

R	eceived by OCD: 4/23/2024 9:31:44 AM Well Name: J L KEEL A	Well Location: T17S / R31E / SEC 7 / SESW / 32.8426431 / -103.9114521	County or Parish/State: EDDY/2 of S
	Well Number: 3	Type of Well: INJECTION - ENHANCED RECOVERY	Allottee or Tribe Name:
	Lease Number: NMLC029435A	Unit or CA Name:	Unit or CA Number:
	US Well Number: 3001505091	Operator: LH OPERATING LLC	

Conditions of Approval

Specialist Review

Workover_or_Vertical_Deepen_COA_20240419193735.pdf

Operator

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

Operator Electronic Signature: MICHAEL BURTON

State: TX

State:

Name: LH OPERATING LLC

Title: Environmental Manager

Street Address: 3730 KIRBY DR SUITE 1200

City: HOUSTON

Phone: (575) 499-5306

Email address: MIKE@LHOPERATING.COM

Field

Representative Name: Street Address: City: Phone:

Email address:

BLM Point of Contact

BLM POC Name: JONATHON W SHEPARD BLM POC Phone: 5752345972 Disposition: Approved Signature: Jonathon Shepard Signed on: APR 15, 2024 07:41 AM

Zip:

BLM POC Title: Petroleum Engineer

BLM POC Email Address: jshepard@blm.gov

Disposition Date: 04/19/2024

Received by OCD: 4/23/2024 9:31:44 AM

eceived by OCD. 4/25/20	047 7.5	1.77 2101				1 uge 5 0j		
Form 3160-5 (June 2019)		UNITED STATE ARTMENT OF THE I EAU OF LAND MAN	NTERIOR		FORM APPROVED OMB No. 1004-0137 Expires: October 31, 2021 5. Lease Serial No.			
Do not use	DRY No	OTICES AND REPO			6. If Indian, Allottee or	Tribe Name		
	MIT IN T	RIPLICATE - Other instru	uctions on page 2		7. If Unit of CA/Agree	ment, Name and/or No.		
1. Type of Well	Gas W	ell Other			8. Well Name and No.			
2. Name of Operator					9. API Well No.			
3a. Address			3b. Phone No. (include area cod	e)	10. Field and Pool or Exploratory Area			
4. Location of Well (Footage, S	Sec., T.,R.	,M., or Survey Description)			11. Country or Parish,	State		
1	12. CHEC	CK THE APPROPRIATE B	OX(ES) TO INDICATE NATURI	E OF NOT	ICE, REPORT OR OTH	ER DATA		
TYPE OF SUBMISSIO	N		TY	PE OF AC	CTION			
Notice of Intent		Acidize	Deepen Hydraulic Fracturing		duction (Start/Resume) clamation	Water Shut-Off Well Integrity		
Subsequent Report		Casing Repair	New Construction Plug and Abandon		complete nporarily Abandon	Other		
Final Abandonment Not	ice	Convert to Injection	_		ter Disposal			
the proposal is to deepen di the Bond under which the v completion of the involved	irectional work will operation nent Noti	ly or recomplete horizontall be perfonned or provide the ns. If the operation results in	ly, give subsurface locations and r e Bond No. on file with BLM/BIA n a multiple completion or recomp	measured a A. Required pletion in a	and true vertical depths of d subsequent reports mus a new interval, a Form 31	k and approximate duration thereof. If f all pertinent markers and zones. Attach t be filed within 30 days following 60-4 must be filed once testing has been the operator has detennined that the site		

14. I hereby certify that the foregoing is true and correct. Name (<i>Printed/Typed</i>)			
	Title		
Circusture			
Signature I	Date		
THE SPACE FOR FEDE	RAL OR STATE (OFICE USE	
Approved by			
	Title		Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant of certify that the applicant holds legal or equitable title to those rights in the subject least which would entitle the applicant to conduct operations thereon.			
Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any any false, fictitious or fraudulent statements or representations as to any matter within		villfully to make to any d	epartment or agency of the United States

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Location of Well

0. SHL: SESW / 330 FSL / 1650 FWL / TWSP: 17S / RANGE: 31E / SECTION: 7 / LAT: 32.8426431 / LONG: -103.9114521 (TVD: 0 feet, MD: 0 feet) BHL: SESW / 330 FSL / 1650 FWL / TWSP: 17S / SECTION: / LAT: 0.0 / LONG: 0.0 (TVD: 0 feet, MD: 0 feet)

BUREAU OF LAND MANAGEMENT

Carlsbad Field Office 620 East Greene Street Carlsbad, New Mexico 88220 575-234-5972

Conditions of Approval for Workover/Deepening of a Well

- <u>Notification</u>: Contact the appropriate BLM office at least 24 hours prior to the commencing of any operations. For wells in Eddy County, call 575-361-2822. For wells in Lea County, call 575-689-5981
- <u>Blowout Preventers</u>: A blowout preventer (BOP), as appropriate, shall be installed before commencing any operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,100 feet, a 3M system for a well not deeper than 13,600 feet, or a 5M system for a well not deeper than 22,700 feet (all depths are for measured well depth).
- 3. Cement: Notify BLM if cement fails to circulate.
- Subsequent Reporting: Within 30 days after work is completed, file a Subsequent Report (Form 3160-5) to BLM. The report should give in detail the manner in which the work was carried out. Show date work was completed. If producing a new zone, submit a Completion Report (Form 3160-4) with the Subsequent Report.
- 5. <u>Trash</u>: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.
- If well location is within the Timing Limitation Stipulation Area for Lesser Prairie-Chicken: From March 1st through June 15th annually, activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted.

Downhole Well Profile

Well Name: KEEL J L A 3 INJ

WellView[®]

uwi 01505091	Surface Legal Location		ld Name NM - PB-G	RAYBURG WEST		d Date Notice Information State/Province NM		Well Configuration Type		
inal KB Elevation (ft) 19.00	KB-Tubing Head Distance (f		ial Spud Da 20/1938		Rig Release D	ate	PBTD (All) (ftKB)		Total Depth All (rvd) (ftKB)
13.00		-1/	20/1000	00.00						
9										
Des	Ма	(e	Ma	del V	VP (psi)	Service		WP Top (psi)		Bore Min (in)
Original	Hole, 1/17/2024 12:22:50 PM			Casing Strin	gs					
Ve	rtical schematic (actual)			Csg Surface	Des	OD (in) 8 5/8	Wt/Len (lb/ft) 28.00	Grade	Top Thread	Set Depth (
			Intermediate		7	20.00			3,10	
				Production		4 1/2		J-55		3,57
				Perforations						
		COATED	PKR	Date		Top (ftKB)	Btm (ftKB)		Linked Zone	
- N	ब हि <mark>.</mark> ब हि			6/8/2021		1,942.0 1,957.0		.0 Seven Ri .0 Seven Ri		
90 804				6/8/2021		1,957.0	,	.0 Seven Ri		
20 Base	59 152 19 152			6/8/2021		2,029.0	,	.0 Seven Ri		
Bill Bloom-	·····································			6/8/2021		2,065.0	2,068	.0 Seven Ri	vers	
All Dors ex	a 82 a 82			6/8/2021		2,090.0	,	.0 Seven Ri		
98 BBB				6/8/2021		2,135.0 2.165.0		.0 Seven Ri		
20 BOM - NO	·····································			6/8/2021		2,165.0		.0 Seven Ri .0 Seven Ri		
	• M			9/1/1996		2,755.0	2,204			
	에 1월			9/1/1996		2,773.0	2,773			
	Bridge Plug - Perm	anent; 2,6	50.0;	9/1/1996		2,797.0	2,797			
	2,652.0			9/1/1996		2,801.0	2,801			
- so	a 25			9/1/1996		2,806.0 2,824.0	2,806 2,824			
State	제 원 <mark>.</mark> 제 원 <mark>.</mark>			9/1/1996		2,828.0	2,824			<u></u>
- ca	이 6일 이 6일 이 1일			9/1/1996		2,861.0	2,861			
90 Idaa	20 22 21 22 22 22			9/1/1996		2,887.0	2,887	.0		
- ng	<mark>에 없</mark>			9/1/1996		2,890.0	2,890			
				9/1/1996		2,906.0	2,906			
- es	4 전 이 없			9/1/1996		2,924.0 2,932.0	2,924 2,932			
20 Kites				9/1/1996		2,352.0	2,952			
- an	의 1년 에 1년			9/1/1996		2,973.0	2,973			
- re	4 년 4 원			9/1/1996		2,977.0	2,977			
游 Des				9/1/1996		2,987.0	2,987			
	4 8 <mark>.</mark> 영 왕			9/1/1996		3,032.0 3,035.0	3,032 3,035			
				9/1/1996		3,035.0	3,035			
800 800 800 800 800 800				9/1/1996		3,048.0	3,048			
888 88 888 88				9/1/1996		3,051.0	3,051			
906 09 1915 09				9/1/1996		3,059.0	3,059			
890 80 890 80				9/1/1996		3,065.0	3,065			
868 - 968 8724 - 468	4			9/1/1996		3,120.0 3,145.0	3,120 3,145			
		40.0		9/1/1996		3,156.0	3,143			
		40.0		9/1/1996		3,167.0	3,167			
200 - 100 200 - 100				9/1/1996		3,184.0	3,184	.0		
843 56	A			9/1/1996		3,193.0	3,193			
884 98 555 888 88				9/1/1996		3,202.0	3,208			
998 - 20 998 - 20	2			9/1/1996		3,240.0 3,256.0	3,246 3,256			
				8/29/1996		3,357.0	3,250			
2930 825 2048 825				8/29/1996		3,364.0	3,364			
				8/29/1996		3,385.0	3,385			
	1			8/29/1996		3,404.0	3,404	0		

Released to Imaging: 4/29/2024 12:41:08 PM

Downhole Well Profile

Well Name: KEEL J L A 3 INJ

api/uwi 3001505091	Surface Legal Location	Field Name PBNM - PB-GRAYBURG WE		Notice Informa	ation State/ NM	Province	We	II Configurat	tion Type	
Original KB Elevation (ft) 3,719.00	KB-Tubing Head Distance (ft)	Initial Spud Date 4/20/1938 00:00	Rig Releas	e Date	PBTD	(All) (ftKB)	Tot	al Depth All	(TVD) (ftK	B)
Origina	al Hole, 1/17/2024 12:22:51 PM	Perforatio		Ter (8/20)		- (41/7)				
V	ertical schematic (actual)	Date 8/29/1996	•	Top (ftKB) 3,4 ²		n (ftKB) 3,417.0		Linked Zon	e	
	1-2; AS-IX NICKEL CC	ATED PKR 8/29/1996 8/29/1996 8/29/1996 8/29/1996 8/29/1996 8/29/1996 8/29/1996		3,47 3,57 3,52	53.0 57.0 77.0 13.0 22.0	3,433.0 3,453.0 3,467.0 3,477.0 3,513.0 3,522.0				
20 Base-	299 <mark>88</mark> 229 88	8/29/1996		3,53		3,533.0				
A Distance and a second	्या छ या छ	8/29/1996		3,54	45.0	3,545.0				
A Row-	~제 없 ~~ 없	Tubing St		Run Date		String Length (ft)		Set Depth	(ftKR)	
98 BRA	401 전 421 전	Tubing - P	roduction	6/9/2021		1,866.00		1,866.0	<u> </u>	
2018年1月1日	2541 월전 4251 월전 4261 월전 4261 월전		tem Des 8 RD J-55	Jts 60	Make	Model T&C Upset	OD (in) 2 3/8	Wt (lb/ft) 4.60	Grade J-55	Lei 1,8
			KEL COATE	D 1 B	aker		4 1/2			6
	Bridge Plug - Permane	nt; 2,650.0; Rod String	20	<u> </u>						<u> </u>
20 D500	2,652.0	Rod Description		Run Date		String Length (ft)		Set Depth	(ftKB)	
20 HODA	아제 2년 		tem Des	Jts	Make	Model	OD (in)	Wt (lb/ft)	Grade	Le
ww.peloton.com			Page 2/2				Rep	ort Printe	ed: 1/1	17/2

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

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

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

CONDITIONS

Operator:	OGRID:
LH Operating, LLC	329319
3730 Kirby Drive	Action Number:
Houston, TX 77098	336456
	Action Type:
	[C-103] NOI Workover (C-103G)
CONDITIONS	

Created By		Condition
		Date
mgebremichael	None	4/29/2024

Page 9 of 9

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Action 336456