

Submit 1 Copy To Appropriate District Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

Form C-103
 Revised July 18, 2013

WELL API NO.	30-025-39122
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name Ling Federal	
8. Well Number	6
9. OGRID Number	151416
10. Pool name or Wildcat Apache Ridge	

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	
2. Name of Operator Fasken Oil and Ranch, Ltd	
3. Address of Operator 6101 Holiday Hill Rd, Midland, TX 79707	
4. Well Location Unit Letter <u>E</u> : <u>2130</u> feet from the <u>North</u> line and <u>660</u> feet from the <u>West</u> line Section <u>31</u> Township <u>T19S</u> Range <u>R34E</u> NMPM County <u>Lea</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3617	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
 DOWNHOLE COMMINGLE ☐
 CLOSED-LOOP SYSTEM ☐
 OTHER: ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ P AND A ☐
 CASING/CEMENT JOB ☐
 OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Fasken Oil and Ranch, Ltd plans to recomplete the well to add 1st Bone Spring. See attached.

Spud Date:

Rig Release Date:

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

SIGNATURE Viola Vasquez TITLE Regulatory Analyst DATE 11-28-2022

Type or print name Viola Vasquez E-mail address: violav@forl.com PHONE: 432-687-1777

For State Use Only

APPROVED BY: Dean R McClure TITLE Petroleum Engineer DATE 11/28/2022

Conditions of Approval (if any):



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

Sundry Print Report

10/22/2021

Well Name: LING FEDERAL	Well Location: T19S / R34E / SEC 31 / SWNW /	County or Parish/State: LEA / NM
Well Number: 6	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM14496	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002539122	Well Status: Temporarily Abandoned	Operator: FASKEN OIL & RANCH LIMITED

Notice of Intent**Sundry ID:** 2637744**Type of Submission:** Notice of Intent**Type of Action:** Recompletion**Date Sundry Submitted:** 10/06/2021**Time Sundry Submitted:** 02:59**Date proposed operation will begin:** 10/06/2021

Procedure Description: Fasken Oil and Ranch, Ltd plans to recompleate the well to add 1st Bone Spring as the well is currently in SI status. Also, attached is the current, proposed wellbore diagram and procedures. The attached procedures have been revised since the last sundry submitted on 08/25/2021.

Surface Disturbance**Is any additional surface disturbance proposed?:** No**NOI Attachments****Procedure Description**

Ling_Federal_6_frac_1st_Bone_Spring_Sand_Procedure_20211006145752.pdf

Ling_Federal_6_Current_WBD_frac_20211006145744.pdf

Ling_Federal_6_Proposed_WBD_frac_20211006145735.pdf

Well Name: LING FEDERAL	Well Location: T19S / R34E / SEC 31 / SWNW /	County or Parish/State: LEA / NM
Well Number: 6	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM14496	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002539122	Well Status: Temporarily Abandoned	Operator: FASKEN OIL & RANCH LIMITED

Conditions of Approval

Specialist Review

COA_General_Recompletion_20211022002333.pdf

Operator Certification

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 submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: VIOLA VASQUEZ

Signed on: OCT 06, 2021 02:58 PM

Name: FASKEN OIL & RANCH LIMITED

Title: Regulatory Analyst

Street Address: 6101 HOLIDAY HILL ROAD

City: MIDLAND

State: TX

Phone: (432) 687-1777

Email address: VIOLAV@FORL.COM

Field Representative

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234

BLM POC Email Address: cwalls@blm.gov

Disposition: Approved

Disposition Date: 10/22/2021

Signature: Chris Walls

BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

Conditions of Approval

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Recompletion operations shall commence within ninety (90) days from the approval date of this Notice of Intent to Abandon.

If you are unable to Recomplete the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be Recompleted. Failure to do so will result in enforcement action.

The rig used for the Recomplete procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any Recomplete operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging 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 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of brine water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. **Before pumping or bailing cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.**

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat

Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

7. Subsequent Recomplete Reporting: Within 30 days after Recomplete work is completed, file one original and three copies of the Subsequent Report of Recomplete, Form 3160-5 to BLM. The report should give in detail the manner in which the recompletion was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. Show date well was recompleted.

8. Trash: 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.

**Recommended Procedure
Ling Federal No. 6
AFE No. 4206 Supplement**

OBJECTIVE:	Frac 1 st Bone Spring Sand
WELL DATA:	
13-3/8" 48# H-40, 54.5# J-55 casing:	Set at 1617.16', cmt w/ 1000 sx "C" + 400 sx "C", circ 450 sx to surface
8-5/8" 32# J55 casing:	Set at 5084.57', DV tool @ 3305.32'. Cmt 1 st stg w/ 650 sx HLC + 350 sx "C", did not circ cmt to surface. Cmt 2 nd stg w/ 1375 sx HLC + 300 sx "C", circ 27 sx to surface
5-1/2" 17# N-80 casing:	Set at 9759.33', DV tool @ 8318.55'. Cmt 1 st stg w/ 150 sx Super "H" Mod, circ 55 sx to surface. Cmt 2 nd stg w/ 500 sx Hal Lite "H" + 200 sx Super "H". TOC @ 3680' per temp survey
DV Tool:	8318.55'
Marker Joint:	9153.47'-9166.18'
KB:	17.5' above GL
TD:	9766'
PBTD:	9622' (tagged 1/15/09)
Perforations:	Bone Spring- 9356'-61' (10h), 9376'-401' (50h), 9462'-66' (5h), 9471'-80' (10h), 9485'-90' (6h), 9506'-18' (13h), 9529'-43' (15h), 9558'-84' (27h)

1. Check with Jimmy Carlile and/or Viola Vasquez to confirm that all necessary permits have been received.
2. RUPU, ND wellhead, and NU flow cross, 5k manual BOP. POW standing back tubing in the derrick.
3. Spot gas buster with flowline to wellhead.

Drillout CIBP and Test 5-1/2" Casing

4. RIW with 4-5/8 bit, bit sub, venturi tool, 2-3/8" tubing. Tag PBTD at 9401'. Rig up power swivel.
5. Attempt to establish circulation pumping down 2-3/8" tbg flowing to gas buster.
6. Drillout cement and CIBP set at 9420', cleanout to 9460'.
7. POW standing back tubing. Lay down venturi tool, bit sub, bit.

Plug Back and Test 5-1/2" Casing

8. RUWL with packoff. RIW with 5-1/2" 12k CIBP, setting tool, and CCL.
9. Get on depth with marker joint at 9153'-9166' and correlate depth to EnerTech GR/CCL log dated 1/16/2009. *Casing collars 9391' and 9432' to help get on depth*
10. Set CIBP at 9455' (current top perf is at 9462'). POW and RDWL.
11. RIW with 5-1/2" HD packer, SN, and 2-3/8" tubing testing tubing to 6500 psi above the slips.
12. Displace well with produced or fresh water. Set packer at 9410' and test CIBP to 6000 psi for 10 minutes with 5-1/2" casing valve open. After good test bleed off pressure. Assuming CIBP tests, move on to step 13.

RWR

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13. RIW to set EOT at 9420' and displace well with 2% KCl water while spotting 500 gals 7.5% NEFE triple inhibited HCl acid. POW standing back tubing and LD packer and setting tool.

Perforate 1st Bone Spring Sand

14. RUWL with full 3k lubricator. RIW with CCL and 3-1/8" slick guns loaded 2 jspf. Correlate to EnerTech GR/CCL log dated 1/16/2009. Perforate 1st Bone Spring as follows:

9430'-9440'

All shots 2 jspf, 120 degree phased, 0.42" EH, +/-32" penetration. Note any change in well after perforating. POW and RDWL.

15. RIW with 5-1/2" HD packer, SN, and 2-3/8" tubing, set packer at 9410'
16. Displace acid into perforations with 2% KCl water at max pressure 3000 psi. Note ISIP, 5", 10", 15" shut-in pressures.

Frac 1st Bone Spring Sand

17. Release packer and POW LD 2-3/8" on pipe racks and move to the edge of location. Receive +/- 10,000' of 3-1/2" EUE 8rd 9.3#/ft P-110 rental tubing with special clearance couplings (burst pressure = 13,970 psi, 80% = 11,176 psi). 3-1/2" PH6 12.95# P-110 tubing may be used based on availability. Clean threads and tally tubing. Replace 2-3/8" pipe rams with 3-1/2" pipe rams
18. Set 13 frac tanks and fill with fresh water treated with biocide. Set 1 acid tank and fill with recommended amount of fresh water per stimulation company. Supply stimulation and chemical companies with sample of fresh water.
19. RIW with 5-1/2" x 2-7/8" Big-Bore Arrowset 1X packer with frac hardened mandrel, frac hardened top sub, frac hardened profile nipple, 2-7/8" x 3-1/2" frac hardened XO, and 3-1/2" rental tubing while testing tubing to 10,000 psi above the slips.
20. Set packer at 9,306' and space out tubing to land in 20,000# compression. ND BOP and NU 3-1/2" 5k double-valve rental flow tree. Install isolation sleeve and test to 10,000 psi for 30 minutes on chart recorder. (May have other valves options available, including a 3-1/2" tubing frac stack). Depending on frac date, it may be necessary to RDPU.
21. RU stimulation company. Load and test lines to 9900 psi and set pop-off at 9850 psi. Have pop-off set on annulus at 1500 psi.
22. RU flowback manifold to flow tree and flow well to tank until well dies. Flow 40-50 bbls/hr to start. Note tubing pressure and oil cut during flowback.
23. Release packer, POW and LD rental tubing. Backhaul tubing and move 2-3/8" tubing onto racks.
24. Run in with depthometer on sandline and tag PBTD. If PBTD is tagged above 94', RIW with 4-5/8" bit, bit sub, SN, and tubing. Establish circulation and clean out to PBTD (CIBP previously set at 9455'). POW standing back tubing.
25. RIW with production equipment as per artificial lift specialist recommendation.
26. Hang well on and begin pumping well down flowline.
27. Report daily volumes and pressures on drilling report.

RWR

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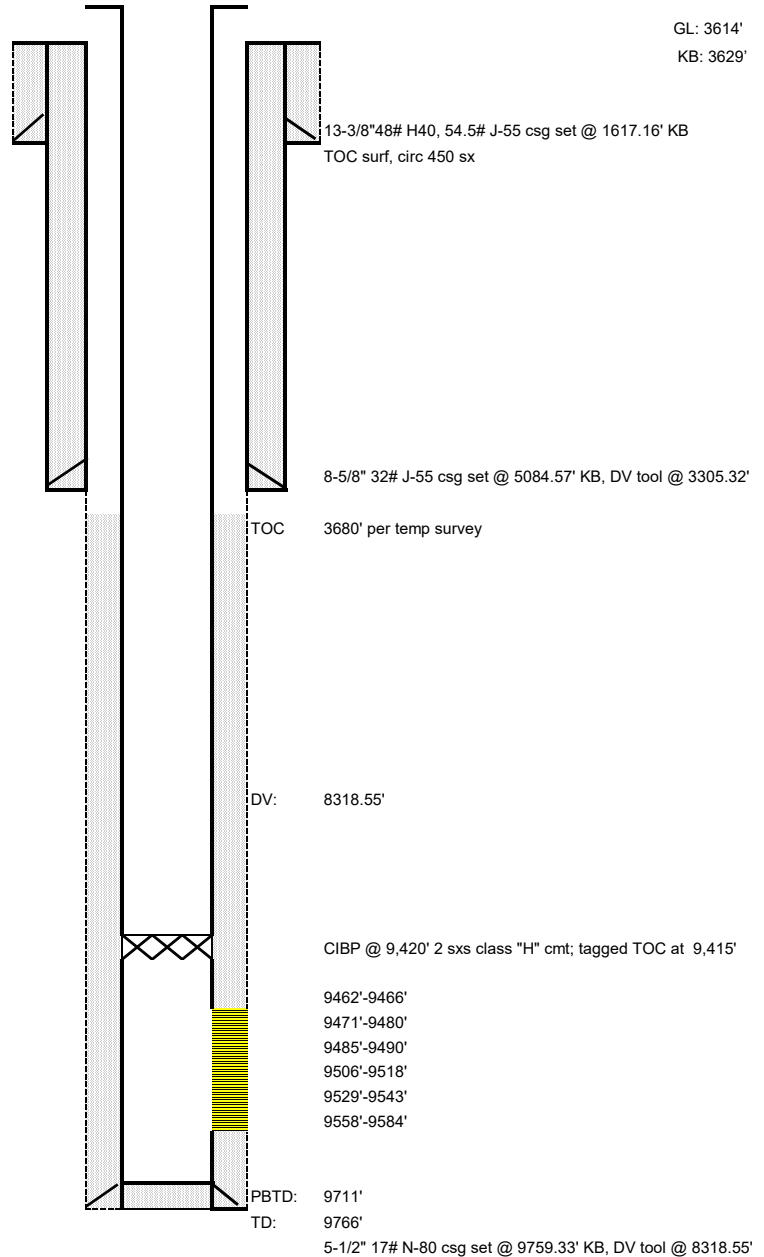
Well: **Ling Federal No. 6**
 Operator: **Fasken Oil and Ranch, Ltd.**
 Location: **2130' FNL and 660' FWL**
Sec 31, T19S, R34E
Lea County, NM
 Spud: **11/24/2008**
 API #: **30-025-39122**
 TD: **9766'**
 PBTD: **9711'**
 Casing: **13-3/8" 48# H40, 54.5# J-55 csg set @ 1617.16' KB**
 1000 sx Class "C" cement (13.5 ppg, 1.74 ft³/sx)
 + 400 sx "C" (14.8 ppg, yield 1.32 ft³/sx)
 TOC surf, circ 450 sx
8-5/8" 32# J-55 csg set @ 5084.57' KB, DV tool @ 3305.32'
 1st stg 650 sx HLC (12.6 ppg, yield 2.01 ft³/sx)
 + 350 sx "C" (14.8 ppg, yield 1.32 ft³/sx), did not circ cmt
 2nd stg 1375 sx HLC (12.6 ppg, yield 2.04 ft³/sx)
 + 300 sx "C" (14.8 ppg, yield 1.32 ft³/sx), circ 27 sx to surf
5-1/2" 17# N-80 csg set @ 9759.33' KB, DV tool @ 8318.55'
 1st stg 250 sx Super "H" Mod (13.2 ppg, yield 1.60 ft³/sx), circ 55 sx cmt
 2nd stg 500 sx Hal Lite "H" (12.6 ppg, yield 1.93 ft³/sx)
 + 200 sx "H" (15.6 ppg, yield 1.18 ft³/sx)
 TOC @ 3680' per temp survey

DV Tool: 8318.55'

TOC: 3680' per temp survey

Hole Sizes: 17-1/2" Surf-1615'
 12-1/4" 1615'-5090'
 7-7/8" 5090'-9766'

Perforations: 9462'-9466' 1 jspf, 5 holes
 9471'-9480' 1 jspf, 10 holes
 9485'-9490' 1 jspf, 6 holes
 9506'-9518' 1 jspf, 13 holes
 9529'-9543' 1 jspf, 15 holes
 9558'-9584' 1 jspf, 27 holes



Well: **Ling Federal No. 6**
 Operator: **Fasken Oil and Ranch, Ltd.**
 Location: **2130' FNL and 660' FWL**
Sec 31, T19S, R34E
Lea County, NM
 Spud: **11/24/2008**
 API #: **30-025-39122**
 TD: **9766'**
 PBTD: **9415'**
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 + 300 sx "C" (14.8 ppg, yield 1.32 ft³/sx), circ 27 sx to surf
5-1/2" 17# N-80 csg set @ 9759.33' KB, DV tool @ 8318.55'
 1st stg 250 sx Super "H" Mod (13.2 ppg, yield 1.60 ft³/sx), circ 55 sx cmt
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 TOC @ 3680' per temp survey

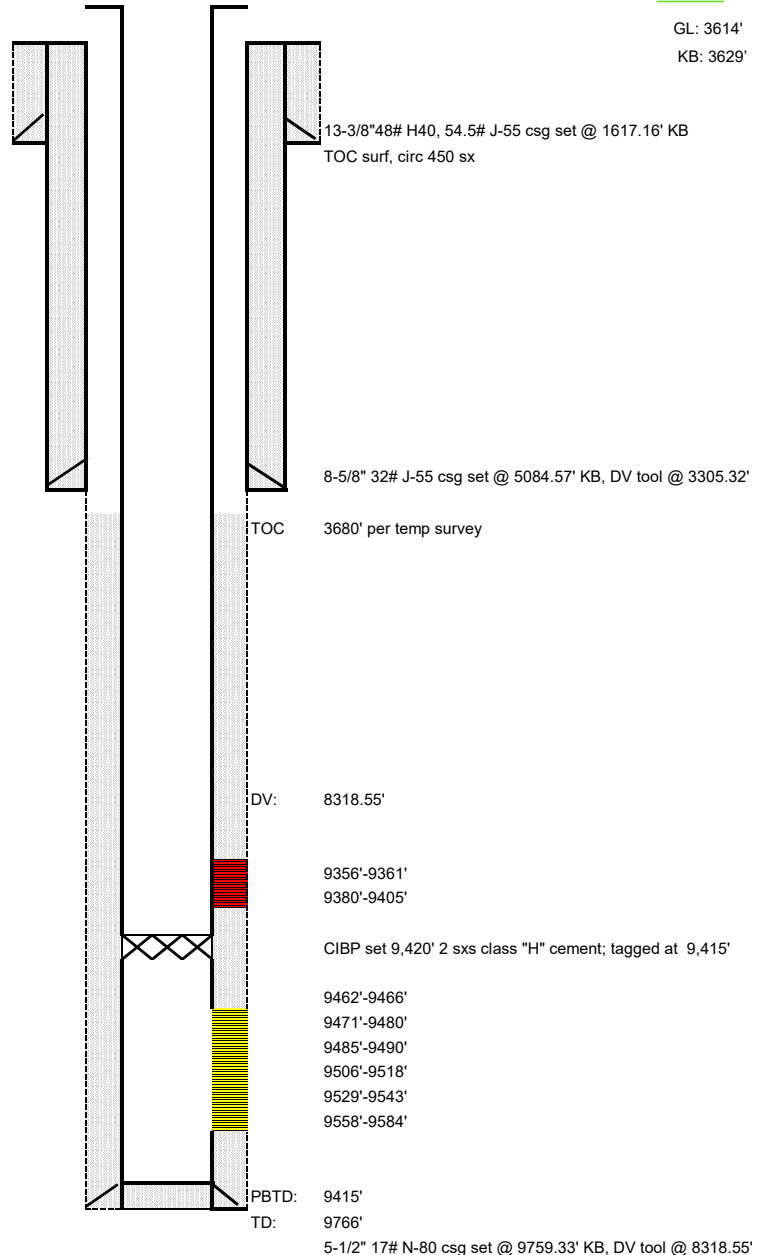
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TOC: 3680' per temp survey

Hole Sizes: 17-1/2" Surf-1615'
 12-1/4" 1615'-5090'
 7-7/8" 5090'-9766'

Perforations: 9462'-9466' 1 jsfp, 5 holes
 9471'-9480' 1 jsfp, 10 holes
 9485'-9490' 1 jsfp, 6 holes
 9506'-9518' 1 jsfp, 13 holes
 9529'-9543' 1 jsfp, 15 holes
 9558'-9584' 1 jsfp, 27 holes

Proposed 9356'-9361' 2 jsfp, 10 holes
 1st Bone Springs 9380'-9405' 2 jsfp, 50 holes



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Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 161719

CONDITIONS

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 161719
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
dmcclore	None	11/28/2022