

OCD – REC'D 6/30/2020

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.  
NMNM3606

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.  
NMNM1013698. Well Name and No.  
LAKE SHORE FED S C 10 49. API Well No.  
30-015-31569-00-S110. Field and Pool or Exploratory Area  
AVALON-DELAWARE11. County or Parish, State  
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other2. Name of Operator  
FASKEN OIL & RANCH LIMITEDContact: ADDISON GUELKER  
E-Mail: addisong@forl.com3a. Address  
6101 HOLIDAY HILL ROAD  
MIDLAND, TX 797073b. Phone No. (include area code)  
Ph: 432-687-17774. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 10 T21S R26E NWNW 1310FNL 1160FWL**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input checked="" type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Fasken Oil and Ranch, Ltd. has completed the plug back from the Strawn to the Upper Penn between May 4, 2018 - June 4, 2018. The 1st production day was June 2, 2018. Please find attached information regarding all work done on this well.

gc 7/7/2020

Accepted for record – NMOCD

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #422823 verified by the BLM Well Information System**  
**For FASKEN OIL & RANCH LIMITED, sent to the Carlsbad**  
**Committed to AFMSS for processing by PRISCILLA PEREZ on 06/08/2018 (18PP1897SE)**

Name (Printed/Typed) ADDISON GUELKER

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 06/06/2018

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <b>ACCEPTED</b>	JONATHON SHEPARD PETROLEUM ENGINEER	Date 06/11/2018
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office Carlsbad

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.

(Instructions on page 2)

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

## Revisions to Operator-Submitted EC Data for Sundry Notice #422823

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	PLUGBACK SR	PLUGBACK SR
Lease:	NMNM3606	NMNM3606
Agreement:		NMNM101369 (NMNM101369)
Operator:	FASKEN OIL AND RANCH LTD. 6101 HOLIDAY HILL ROAD MIDLAND, TX 79707 Ph: 432-687-1777	FASKEN OIL & RANCH LIMITED 6101 HOLIDAY HILL ROAD MIDLAND, TX 79707 Ph: 432.687.1777 Fx: 432-687-1777
Admin Contact:	ADDISON GUELKER REGULATORY ANALYST E-Mail: addisong@forl.com  Ph: 432-687-1777	ADDISON GUELKER REGULATORY ANALYST E-Mail: addisong@forl.com  Ph: 432-687-1777
Tech Contact:	ADDISON GUELKER REGULATORY ANALYST E-Mail: addisong@forl.com  Ph: 432-687-1777	ADDISON GUELKER REGULATORY ANALYST E-Mail: addisong@forl.com  Ph: 432-687-1777
Location:		
State:	NM	NM
County:	EDDY	EDDY
Field/Pool:	AVALON-DELAWARE	AVALON-DELAWARE
Well/Facility:	LAKE SHORE SC 10 FEDERAL COM 4 Sec 10 T21S R26E NWNW 1310FNL 1160FWL	LAKE SHORE FED S C 10 4 Sec 10 T21S R26E NWNW 1310FNL 1160FWL

## Lakeshore 10 Fed #4 Recomplete to Upper Penn

5/4-

5/4/18

POW and tallied tubing and found corrosion starting on jt 141 thru jt 161 with holes in jts 154 & 161 due to corrosion from outside. Washed out spots on jts 143 & 148, LD total of 26 jts tubing due to corrosion. Pulled total 300 jts, LD 2-3/8" x 1.81" ID "F" profile nipple and pump out plug coupling off jt 300. Have approximately 36 couplings to change out due to corrosion. Changed out couplings as needed w/ bit at approximately 4117' w/ 130 jts in well. LD test tools, closed BOP, SWI and SDON.

5/5/18

Tested 176 jts production tubing and LD addition 2 jts due to holes found while testing, burst 1 jt and LD 7 jts due to deep pitting found in jts and RD tester. Changed out total of 59- 2-3/8" L-80 couplings due to bad corrosion. PU 16 jts Class "B" 2-3/8" L80 tubing tagged at 9968' and fell free, scraper was sticky and worked down to 10,050'. Continued RIW and tagged at 10,532' (40.22' deep by present tally), top of sand should be 10,492' and top of RBP @ 10,513' and reported to Midland Office. POW with 323 jts tubing and LD bit and scraper.

5/6/18

Notified Jim Hughes w/ BLM at 8:04 am MT of intent to set cap plug set on sand at 10,492'. RU BCM cement pump and hooked casing to flow back line. RIW with swab and tagged FL @ 547' FS. Mixed and pumped 10 bbls 9.5# mud laden bw down tubing and circulated 1 bbl light oil and 3 bw w/ return water weight 9.5# by mud scales. Had to wait 2.5 hrs for brine water. SWI w/ EOT at 10,532' and SDON. Contractor delivered frac tank to location unloaded 70 bfw into tank.

5/7/18

Notified Chase w/ BLM at 8:01 am MT Of intent to spot 25 sx cement plug above RBP at 10,532' with EOT at 10,524'. RU BCM cement pump and pumped 10 bbls mud laden bw, 1 bfw spacer, mixed and spotted 25 sx Class "H" cement (s.w. 15.5 ppg/ yield 1.22 cuft/sk), pumped 1 bfw spacer and displaced cement w/ 36 bbls 9.5# bw. Note: Returns while cement pumped and displaced were 9.5# by mud scale weight. RD cement pump POW w/ 86 jts tubing to 7549' and WOC 4 hrs. RIW and tagged cement at 10,300', reported to Chase w/ BLM at 2:33 pm MT and received approval to continue w/ plug back operation. POW with EOT at 4627', SWI and SDON for rig crew safety meeting at yard.

5/8/18

Notified Chase Messer w/ BLM at 8:34 am MT of intent to RIW w/ WL set 4-1/2" 10K CIBP at 9610' cap w/ "H" cement was approved to continue plug back operations. RU Capitan WL unit, RIW with 4-1/2" CIBP and tagged at 9540' by WL depth. Worked plug and started to get sticky, POW and LD CIBP and setting tool. Found no material or markings on plug. RIW w/ 3.75" OD gauge ring and junk basket and tagged at 9540' and unable to get gauge ring and basket through spot w/ gauge ring getting sticky on pickup. POW with gauge ring and junk basket with no materials in junk basket and RDWL. RIW with 3-7/8" Used skirted cone bit, 4-1/2" casing scraper, bit sub, SN and tubing and tagged at 9553'. Worked through and tagged again at 9598', hung bit and scraper. Worked tools free and worked tools down to 9707'. Reciprocated bit and scraper through each section 6 times w/ no further drag seen. POW with no drag seen LD 8 jts stood 294 jts in derrick. LD tools, SWI and SDON.

5/9/18

RU Capitan WL, RIW with 3.75" OD gauge ring and junk basket and tagged at 9636' by WL depth w/ casing collars at 9593' and 9632' unable to get any deeper. RIW w/ 4-1/2 10K CIBP and set at 9610', picked up and set down on CIBP. POW w/ WL, LD setting tool and dump bailed 4 sx Class "H" cement on CIBP (35') in two runs and RDWL. Casing started running over w/ 194 jts in well, set pkr at 9491' and attempted to establish injection rate, shut in 9-5/8" casing pressure increased to 400 psi with injection rate on 4-1/2 casing at 1 bpm at 200 psi. SD, bled down 9-5/8" casing pressure and circulated oil off 9-5/8" casing w/ 53 bbw. Pumped down 4-1/2" casing at 100 psi and 3 bpm rate w/ total of 56 bbls pumped. RU on tubing tested from pkr to CIBP 9610' w/ 35' cement on plug to 520 psi w/ 10 psi loss in 15 on chart recorder. Moved pkr to 7706' below DV tool at 7664', set pkr tested 4-1/2" casing to 550 psi for 15" w/ 25 psi loss. Move pkr 5567' below TOC at 5492' by CBL. Tested to 525 psi on chart recorder 15" lost 10 psi, bled down pressure, released pkr and SWI and SDON.

5/11/18

Isolated 4-1/2" casing leak 4628' to 4400', established injection rate 1.9 bpm at 500 psi with good flow from 9-5/8" casing to 1/2 pit. Reported results to Midland office. Notified Zota Stevens w/ BLM at 2:58 P.M. MT, reported casing leak interval from 4400' to 4628' in 4-1/2" casing and plan to squeeze w/ 975 sx of Class "C" neat cement with 9-5/8" casing open to 1/2 pit under retainer in 4-1/2" casing approved to continue. RIW with 4-1/2" CICR, setting tool, seating nipple and 143 jts 2-3/8" L-80 tubing. Pumped tubing volume through retainer, set retainer at 4300' and tested tubing 2000 psi. Stung out of retainer and back into retainer and trapped 500 psi on 4-1/2" casing anulus and monitored. Established circulation from 9-5/8", mixed and pumped 975 sx class "C" neat cement (s.w. 14.8 ppg, yield 1.32 cu/ft per sk) at 400 to 0 psi at 2 bpm rate w/ full returns from 9-5/8" casing. Displaced cement with 16 bfw, stung out of retainer w/ 850 psi under retainer and left 1/2 bbl cement on retainer at 1:30 A.M. MT. RD cement equipment. POW w/ 133 jts tubing, LD SN and retainer running tool. WOC 6 hrs, SWI and SDON.

5/12/18

RU Capitan WL and ran temperature survey w/ TOC at 2469' 8:00 am. POW and RDWL. SWI and SDON. Note: will notify BLM Monday morning of results of cement job and TOC w/ plans of drilling out cement.

5/14/18

Notified Mike Valliett w/ BLM at 9:35 am MT on placement of retainer 4302', squeezed casing from 4400 to 4628' with casing above and below bad casing testing good to 540 psi on chart recorder 15" w/ no pressure loss. Squeezed bad 4-1/2" casing w/ 975 sx "C" neat cement with full returns from 9-5/8" casing 5-11-18. Found TOC @ 2465' by temp survey 5-12-18. Established reverse circulation w/ fw and drilled out hard cement 4208' to top of CICR 4302', tested casing from surface to CICR 10" 500 psi with no pressure loss. Bled down and continued drilling out CIBP in 3.5 hrs and drilled hard cement to 4337' w/ hard cement and cast iron cuttings in returns.

5/15/18

RIW with tubing, PU swivel and continued drilled cement and appears to be still pushing nose cone from retainer at 4337'. Drilled cement 45" and found cement and metal cutting in returns. Found cone bearing in returns, circulated well clean and POW for bit change. Have been in contact w/ BLM regarding well status. Drilled 4337' to 4341'. POW with tubing and BHA w/ center of all 3 cones worn into bearing housing with all cones recovered. Decision was made to run new Varel bit. PU swivel and tagged at 4341', established reverse circulation and continued drilling at 1:30 pm MT with light metal cutting in returns. Drilled down to 4356' and rate of penetration increased to 1' every 2 minutes, no metal in returns w/ softer cement to 4358', made connection and penetration rate slowed. Drilled down to

4378', circulated well clean and POW and LD 6 jts tubing to 4163'. SWI and SDON. Terry Wilson with BLM came by location to check on progress.

5/16/18

Opened 9-5/8" casing, PU swivel and RIW and continued drilling cement at 4378'. Drilled remainder of CICR nose cone at 4488' and fell out of hard cement at 4618' in 9.5 hrs. Reciprocated bit through each section 5X. Continued to drill stringers until clear to 4812', reciprocated each section 5X circulated well clean. LD swivel and POW with 20 jts tubing to 4163'. SWI and SDON for MIT test in the morning. Sent text to Mr Terry Wilson of intent to conduct MIT test 9:00 am MT 5-17-2018.

5/17/18

Loaded casing w/ 1/2 bbl wtr, worked air out of casing, ran pretest on well 480 psi for 35" and lost 5 psi. Terry Wilson with BLM witnessed test, ran MIT chart 590 psi for 35" w/ 50 psi loss. Found small leak at well head, repair leak to run 2nd MIT test 540 psi with 30 psi loss in 30", test was approved by Mr. Terry Wilson w/ BLM. Fluid level rose on last three runs and last run fluid recovered set off H2S monitors at 1-1/2 pit. Fluid level rose 100' between each of last three runs. Mr. Terry Wilson w/ BLM at 4:45 pm MT of well status.

5/18/18

Bled down casing and RIW with 4-1/2" HD packer, SN and tubing and isolated leak interval from 5176' to 5204'. Attempted to break down leak with no success. Instructed to move packer to 5143', set packer and attempted to break down leak at 500 psi with several attempts w/ slow leak off. Increased pressure to 1000 psi in 15 attempts, bled down from 1000 psi to 500 psi in 1 minute 34 seconds on first attempt and 4 minutes 46 seconds on 15th attempt. Released packer and POW with 28 jts tubing to 4237', SWI and SDON.

5/21/18

RIW with 30 jts w/ EOT at 5209', below suspected leak area from 5177' to 5209'. Established circulation w/ 10 bfw at 2 bpm with circulation lift pressure at 859 psi. Pumped 70 bfw and 6 bbls of 15% DI HCL acid and spotted 2 bbls out with 18 bbls flush w/ balanced spot. POW and set packer at 5143' w/ 4 bbls of acid in tubing. Monitored tubing casing annulus w/ casing full and no psi increase. Pressured up on tubing starting at 500 and increased to 1000 psi, sweating acid into leak w/ 1 bbl of acid squeezed into leak. Instructed to shoot squeeze holes at 5200' through tubing. Waited on WL 3 hrs. RUWL with full lubricator and RIW w/ 1-11/16" 4 shot perforating guns. Correlated wireline depth to shot at 5200' per tubing depth. Shot 4 squeeze holes at 5200' by tubing depth with no change in tubing status. Spotted 250 gals of 15% DI HCL w/ 18 bfw and closed packer bypass. Increased rate to 1.2 bpm rate at 1042 psi and over flushed acid into formation w/ 5 bfw. ISDP-831 psi, 5"-738 psi, 10"-694 psi, 15"-655 psi. Max rate 1.2 bpm, max psi 1113 psi, avg rate .8 bpm, avg psi 870 and 39 bbls LLTR. RD acid pump and SDON.

5/22/18

MIRU cement pump. RIH w/ tbg & set CICR @ 5100'. Pressure tested tbg to 2000 PSI. Established an injection rate of 2.5 BPM @ 1000# PSI. Squeezed 200 sx class C cmt & displaced with 19 BBLs. Unsting from CICR & dumped .5 BBL cemt on top of CICR. TOC calculated @ 5070'. Shut in pressure @ 400 PSI. Rigged down cement pump and moved off.

5/23/18

Started drilling soft cement at 5064' and had 2 gas bubbles come up. Circulated well clean and tested tubing and casing to 520 psi with 70 psi loss in 30". Had several leaks at well head and on swivel.

Continued to drill cement to CICR at 5107', drilled on retainer for 4 hrs and drilled hard cement from 5107' to 5139'.

5/24/18

RU swivel, continued drilling soft cement from 5139' past 5200' squeeze holes and was unable to tell where fell out of soft cement. Continued to RIW while washing stringers down to 5451' and circulated well clean. loaded tubing and pressure tested casing to 520 psi from 9575' to surface for 30 minutes and lost 20 psi. BOP still leaking slightly. Contacted BLM, spoke to Gabriel Benaway at 12:12 pm MT and was instructed to pressure test casing and take chart to BLM office for engineers to approve. RU chart recorder on well at 3:50 pm MT and ran chart at 550 psi for 35 minutes with 10 psi loss. RIW to 6525' and SN at 6329'. IFL surface, made 8 runs in 3 hrs and recovered 42 bf, pulled last run from 4800' FS.

5/29/18

POW w/ 210 jts tubing and LD DC's and bit w/ bit in fair condition. RIW w/ production packer and tubing as follows:

2-3/8" x 4' N80 tubing sub w/ N80 coupling Btm (New) 4.48'

4-1/2" x 2-3/8" EUE 8rd AS-1X 7K pkr (Repaired) 6.19'

3-3/4" x 2-3/8" TOSSD (New) w/ 1.81" "F" SS profile

nipple (Reran) 1.67'

284 jts 2-3/8" EUE 8rd L80 4.7# tubing (Used) 9160.03'

Sub Total 9172.37'

Below KB 17.00'

Slack off - 4.00'

Total 9185.37'

5/30/18

Perforated 4-1/2" casing 9275' to 9290' with 16 holes (1 JSPF, 0.21" EH). Installed 12/64" positive choke and left well open to 1/2 pit w/ 450 psi and SDON.

5/31/18

Bled well down to 1/2 pit gas buster. Tested lines to 5000 psi, opened well w/ 517 psi. Acidized well w/ 1000 gals 15% HCL NEFE DI acid and 32- RNC 7/8" 1.3 SP.GR. ball sealers as follows: Pumped 250 gals acid at 0 psi and 3.5 bpm, dropped 32 ball sealers spaced in 12 drops in 500 gals acid w/ 0 psi and 250 gals acid and displaced w/37.3 bbls 3% KCL wtr with clay stabilizer, O2 scavengers and corrosion inhibitor at 5.6 bpm rate and 1744 to 4000 psi. 31.5 bbls total fluid pumped tubing loaded and dropped rate to pumped 1.5 bpm and 3900 psi. Formation broke w/ 36.8 bbls pumped w/ acid on formation increased to 3.3 bpm at 3900 psi and displaced to bottom perforation. Flowed well to 1/2 pit on 8/64" adjustable choke with 1780 psi FTP. Turned well through sales line, pinched choke back to 4/64" and 2200 psi with 1000 mcfpd flowrate through stack pack.

6/1/18

SITP-2500 psi, Casing dead. Noticed light vapors coming from between 7-1/16" 10K flange and vapors leaking from between 7-1/16" 5K flange on top of 10K DSA. Opened tubing to gas buster tk and bled down pressure slightly on tubing. Reported to Midland office. Tighten all locking pin packing nuts, tested wellhead and tubing to 3000 psi with no leaks. RD pump truck, SWI and SDON.

6/4/18

Well flowing on 12/64" positive choke, FTP- 890 psi, flowrate 383 mcfpd, produced 14 bc + 11 bw in 24 hrs. Switched well through company owned production unit at 3pm CDT. Left well flowing on 18/64" adjustable choke, FTP- 720 psi, flowrate was 800 mcfpd. Crew cleaned location, forklift moved flow tree and 60 jts junk 2-3/8" L80 to edge of location to be hauled in later date. Contractor emptied 35 bbw out of frac tank. Gang disconnected flow back line from 1/2 pit and released all equipment. Prepared rig and equipment for next well. (PEH/ORR)