

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM 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.
NMNM0486483 ✓

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
~~SW384~~ NM1013638. Well Name and No.
SHELL FED COM 1 ✓9. API Well No.
30-015-10881-00-S1 ✓10. Field and Pool or Exploratory Area
INDIAN BASIN 246
Cemetery 42

11. County or Parish, State

EDDY COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

FASKEN OIL & RANCH LIMITED

Contact: ADDISON LONG

E-Mail: addisonl@forl.com

3a. Address

6101 HOLIDAY HILL ROAD
MIDLAND, TX 79707

3b. Phone No. (include area code)

Ph: 432-556-8661

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 5 T21S R24E NESW 1980FSL 1980FWL ✓

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 checked="" 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 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 recompleate 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 recompleation 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.

Please see attachment of the recompleation to the Wolfcamp work done on the above well from 2/6/17 to 3/9/17.

RC 6-16-17
Accepted for record - NMOC

NM OIL CONSERVATION
ARTESIA DISTRICT

JUN 16 2017

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14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #369401 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 03/10/2017 (17PP0391SE)	
Name (Printed/Typed) ADDISON LONG	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved By	Title
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	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and fraudulently to obtain or attempt to obtain any benefit 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 **

Shell Federal No. 1 – Recomplete to Wolfcamp daily operations

2/6/17-3/09/2017

RUPU (Red Diamond rig #20) and pumped 35 bbls 2% KCl w/ clay stabilizer, corrosion inhibitor and oxygen scavenger for well control. NDWH, and NU 5K manual BOP. Released packer and RIW w/ 11 jts of tbg and tagged PBDT @ 8926'. POW w/ packer swinging @ 8555' above top perforation @ 8568'.

2/7/17

RIW w/ EOT @ 8901', RU Basic Cement truck and spotted 6 bbls of 9.5 ppg brine ladened with 12.5 lb/bbl salt gel from 8513'-8901'. POW and LD 12 new jts of tubing. Function tested 5K hydraulic BOP, ND manual BOP and NU 5K hydraulic BOP. POW w/ 60 jts of 2-3/8" EUE tubing and began finding pins pitted on lower threads and pitted inside tubing. Outside tubing does not show any pitting. LD 135 jts bad tubing and stood back 136 jts of good tubing.

2/8/17

RIW w/ 4-1/2" CIBP, 4' perforated sub, SN, 135 jts of yellow band tubing, 34 jts of reran 2- 3/8" EUE 8rd N80 tubing and CIBP to 5419'. Set CIBP @ 5419', POW w/ tubing, LD setting tool, 4' perf sub and SN.

2/9/17

RIW w/ new varel 3-7/8" bit (serial number 427309), bit sub, 4- 3-1/8" DC's, XO and 106 jts of tubing. Tagged CIBP @ 5419'. Established reverse circulation and drilled 18" off CIBP and pushed down hole to PBDT @ 8901'. POW w/ tbg and BHA. RIW w/ new 4-1/2" CIBP, 4' X 2-3/8" perforated sub, SN and 267 jts of tubing and set CIBP @ 8501' FS. POW 10'.

2/10/17

Crew dug out 8-5/8" casing valve and surface casing valve, opened valves w/ no pressure. Tested fresh water finding over 3000 chlorides and tasted salty. Sent truck back to Basic yard to rinse tank out for the second time and replace w/ fresh water. Water tested below 500 ppm. RU Basic cement trucks and circulated well w/ 120 bbls 2% KCl water w/ biocide added. RU chart recorder and tested plug and casing to 1500 psi for 30" w/ 450 psi pressure loss. Retested to 1500 psi for 2nd test and loss 475 psi in 42" test. Notified Midland and instructed to call for packer. POW w/ tbg and LD setting head for CIBP. PU 4-1/2" X 2-3/8" Crest packer and RIW w/ and set pkr @ 8469', 1 jt above CIBP @ 8501'. RU pump truck and test CIBP via tubing to 1500 psi w/ casing communicated. Dropped SV and pressured tubing again w/ casing communicating. Probable hole in tubing. SWI and SDON.

2/13/17

Released 4-1/2" Crest packer and POW and found top 2 elements missing. RU tubing testers and RIW w/ exchange packer w/ bull plug and tested packer to 6000 psi then RIW w/ SN, testing 135 yellow band tubing to 6000 psi above the slips w/ no failures. Continued to test 136 jts of re-ran tubing to 6000 psi above the slips w/ no failures. Set packer 8' lower @ 8477'. Loaded tubing to test CIBP and casing circulated. POW w/ 2 jts and set packer and attempted to test w/ no success. RIW w/ packer to 7' above CIBP, set and attempted to test again w/ casing circulating. SWI and SDON.

2/14/17

Pressure tested casing and tubing to 1500 psi w/ 150 psi loss in 5" (same as before). Dropped SV and waited 15", pumped 16 bw and seated SV. Pressured to 1000 psi w/ no pressure loss. Received orders from Midland Office to spot cement plug but was unable to get cement pump truck today and decision was made to run casing inspection log. Called Capitan and ordered WL. RU Capitan WL and ran casing inspection log from 8501' to surface. Found possible hole in casing at 8312', 8408' (bad spot), 8440' and 8470'.

2/15/17

Pumped 5 bfw spacer and mixed 25 sx Class "H" cement, (s.w. 15.6 ppg; yield 1.18 ft3/sk) and spotted plug from 8501'- 8164'. Displaced cement w/ 2 bfw followed by 30 bbls 2% KCl water. POW and stood back 47 jts of tubing w/ EOT @ 7,007'.

2/16/17

RIW w/ tubing and tagged cement plug @ 8143' w/ required tag of 8230' FS. Spotted 25 bbls 9.5#/gal salt gel ladened with 12.5 lb/bbl at 8143'. RD pump line and POW w/ tubing. RU Capitan WL with 3000 psi lubricator and perforated 4 squeeze holes at 7700'. POW and RD WL. Loaded casing w/ 10 bbls 2% KCl and pressured casing to 1500 psi. SD and watched pressure slowly bleed down to 1000 psi in 35" then seemed to level off. Bled pressure

off and attempted pump in w/ no success. Pressure increased to 1500 psi and rate dropped to 0 bpm. RU Capitan WL and ran CBL finding obstruction from +/- 7100' to 7190'.

2/21/17

RIW w/ 4-1/2" Crest compression packer and set @ 7604'. Loaded tbg/csg annulus w/ 3 bbls 2% KCl and pressured to 1500 psi and monitored. Attempted to pump into squeeze holes @ 7700' w/ max pressure 2500 psi. cPumped 3 bbls to load and pressured tubing to 2500 psi and SD pump and closed 2" discharge valve (valves leaking on pump). Pressure gauge showed 2000 psi and monitored for 9" w/ 125 psi loss. Notified Midland w/ results and continued w/ new procedure. POW w/ Crest compression packer and found top element w/ medium cut but other 2 elements looked new. RU JSL WL and RIW w/ 3000 psi lubricator and perforated 4 squeeze holes @ 7080' w/ all shots fired. RIW w/ replacement Crest compression packer and set @ 7130' and attempted to circulate at 1500 psi w/ no success. Released packer and set @ 7005' (75 above squeeze holes at 7080'). Pumped 2.5 bw and 8-5/8" began to circulate, continued to pump 30 bw @ 2 bpm at 1300 psi.

2/22/17

RIW w/ JSL WL w/ 1-11/16" 4 shot strip gun and perforated squeeze holes @ 7210' w/ all shots fired. RDWL, released packer and reset @ 7250'. RU Basic pump truck w/ 2% KCl water and circulated squeeze holes from 7700' to 7210' w/ 20 bw @ 1.7 bpm and 1300 psi. POW w/ packer and RIW w/ CICR @ 7650'. Pumped 30 bbls plus 5 bbls 2% KCl water through retainer. Set retainer @ 7650'. Stung out of retainer and ensured retainer was operating properly and stung back into retainer. RU Basic Cementers, established pump rate at 1.5 bpm @ 1270 psi and pumped 25 bbls of mud flush. Pumped 5 bfw lead, mixed and pumped 165 sx Class "C" Neat (s.w. 14.8 ppg; yield 1.32 ft3/sk) in suicide squeeze holes @ 7700' and out 7210'. Displaced 2 bfw followed by 27.9 bbls of 2% KCl water. POW w/ tubing and retainer stinger. RIW w/ 4- 1/2" Crest compression packer set @ 6730'. Loaded tbg/csg annulus w/ 3 bbls 2% KCl and pressured to 500 psi and monitored. Established pump in rate of 1.6 bpm @ 1060 psi and pumped 25 bbls of mud flush. Pumped 5 bfw lead, mixed and pumped 145 sx Class "C" Neat (s.w. 14.8 ppg; yield 1.32 ft3/sk) through squeeze holes @ 7080'. Displaced 2 bfw followed by 25 bbls of 2% KCl water to 6980' FS and SWI. Cleaned cement truck tanks, RD and released. Contractor hauled 260 bpw to disposal.

2/23/17

SITP-450 psi, 4-1/2" SICP-480 psi, 8-5/8" SIP-420 psi, surface casing 0-psi. Bled pressures down to flow back tank with no flow. Released packer and POW w/ tubing. RU Cagle reverse unit and loaded reverse tank w/ 110 bfw. RIW w/ used 3-7/8" bit, bit sub, X-O sub, 4 - 3-1/8" drill collars, X-O sub, 2-3/8" SN and 54 jts of tubing. SD due to high winds. Contractor hauled 95 bf from flow back tank to disposal and washed and cleaned 2' of light drill mud, gunk, thick nasty solids from bottom of tank.

2/24/17

Continued RIW w/ tubing and BHA. Tagged cement @ 6928', PU swivel, RU stripper rubber, established reverse circulation and drilled out of cement at 7128' and down to 7300'. Circulated well clean and chart tested casing to 1500 psi for 35" w/ 50 psi loss as of report time. Notified BLM in Carlsbad, NM and spoke to Mike Balliett and sent him a picture of test chart and replied with approval to proceed. Bled pressure off tbg/csg annulus and circulated well w/ 115 bbls 2% KCl water. POW w/ tubing and LD collars. RU JSL WL truck, pressured 4-1/2" casing to 1000 psi and ran CBL from 7300' to 6300' with TOC @ 6720' (good cement).

2/27/17

Permission given to proceed by Jennifer Sanchez w/ BLM at 9:56 am CDT on 2/27/2017. RIW with 4' x 2-3/8" EUE 8rd N80 tubing sub, Arrowset IX 10k packer, TOSSD with 1.81" "F" profile nipple, and 2-3/8" EUE 8rd N80 tubing to 7013'. Set packer and spaced out for 12 pts compression. Pressure tested tbg/csg annulus to 500 psi for 5" w/ no pressure loss. Released TOSSD and circulated well w/ 100 bbls 2% KCl water containing 10 gallons packer fluid and 1 gallon of O2 Scavenger as per ChemTech technician. Tested tbg/csg annulus to 500 psi for 5" w/ no pressure loss. RU Capitan WL with 3000 psi lubricator and grease. Perforated Wolfcamp with 1-11/16" strip gun as follows: 7106'-7129' Lime (47h, 2JSPF) by Capitan Radial Cement Bond/Gamma Ray/CCL log dated 2/16/17 correlated to Schlumberger GR/Sonic log dated 12-15-66. POW, with all shots fired, and RDWL.

2/28/17

RIW w/ swab with IFL @ 1300' FS. Made 2 swab runs recovered 7 bbls and tagged something solid @ 2700'. Ran swab line 3 times and recovered trash from tubing. RIW w/ 3/4" rod sub w/ 45 degree angle cut on the end to try to penetrate blockage. POW and found what appears to be drilling mud. Notified Midland and instructed to attempt to reverse circulate blockage. ND WH, NU 5K BOP. Released TOSSD and closed pipe rams. RU pump truck with 2% KCl and packer fluid and loaded casing w/ 4 bw and pressured casing to 900 psi and tubing began to circulate @ 1.8

bpm at 800 psi. Recovered 25 bbls of mud and returns started to clear w/ 1.8 bpm @ 600 psi. Pumped total of 50 bbls 2% KCl and packer fluid w/ returns clear and RD pump truck. ND BOP, NU WH and 5K choke manifold. RIW with IFL-surface, made 8 runs and recovered 20 bf w/ EFL-5200'.

3/1/17

0-psi, SI intermediate casing 0-psi and FTP-very slight blow. RIW w/ swab with IFL @ 1315' FS. Made 10 runs, recovered 29 bf w/ EFL-6900'. First 8 runs, samples are dirty water and last 2 runs getting darker and thicker. SD and wait 1 hr. RIW and tagged FL-5200', pulled from 6400' and then from 6900', 1700' entry in 1-hr. Sample was dark dirty water w/ medium mud base. SD and wait 1 hr., RIW tagged FL-5300', pulled from 6500' and then from 6900', 1600' entry (Mud weight = 9.2#). SD and wait 1 hr. RIW and tagged 5400', pulled from 6600' and then from 6900', 1500' entry in 1-hr. Dark dirty water w/ medium mud base. SD and wait 1 hr., RIW w/ IFL-5500', 1500' entry (Mud weight = 9.4#). Made a total of 18 runs in 10 hrs recovering 50 bf w/ EFL-6900'. Left well open to gas buster on 10/64" positive choke and SDON. Contractor hauled 120 bf to disposal from gas buster. No show of hydrocarbons.

3/2/17

First samples were dirty water and then began to clear up. Slight show of gas on 5th run with last 3 runs was light to clear with 3% to 4% solids settling out in bottom of sample. RIW w/ IFL-5500' w/ 1400' entry. Pulled from 6600' then from 6900'. Had intermittent slight show of gas. RIW w/ IFL-5300' w/ 1600' entry. Pulled from 6500' then from 6900'. RIW w/ IFL-5600' w/ 1300' entry. Pulled from 6700' then from 6900'. Very little gas show but stronger than this morning. Samples are murky water w/ scum floating on top and 2% to 4% solids settling out in bottom of sample. RIW w/ IFL-5500' w/ 1400' entry. Pulled from 6600' then from 6900'. Samples were same from last run. Tank gauge on gas buster 2'-1". Made 17 runs recovering 43 bf w/ EFL-6900'.

3/3/17

RIW w/ swab w/ IFL- 1400' FS. Made 7 runs, recovered 21 bf w/ EFL- 6900' FS. First 2 samples were rusty colored water and then began to clear w/ no show of gas, and last 5 runs were light to clear water w/ 2% to 4% solids settling out in bottom of sample. RIW w/ IFL- 5300' FS w/ 1600' entry, pulled from 6400' FS then from 6900' FS, and recovered 14 bf w/ samples showing 2% to 4% solids on bottom. RIW w/ IFL-5300'FS w/ 1600' entry. Pulled from 6400' FS then from 6900' FS, and recovered 9 bf w/ samples showing 2% to 4% solids on bottom. Made 11 swab runs recovering 41 bf w/ EFL- 6900' FS.

3/6/17

RIW w/ swab w/ IFL 1300' FS, and pulled from 2500' FS. RU Petroplex Acidizing, acidized well w/ 1500 gals 15% NEFE DI acid and flushed w/ 2% KCL as follows: 1500 gals 15% NEFE DI acid: 0.70- 3.1 bpm; 1210- 1350 psi w/ 10 bbls acid in perms pressure decreased from 1400 psi to 590 psi. Flushed to bottom perf w/ 29 bbls 2% KCL: 2.9 - 3.0 bpm at 900 - 1065 psi. ISIP- 321 psi, 1 min- Vacuum. AIR- 2.3 bpm, AIP- 1107 psi; MIR- 3.0 bpm, MIP- 1500 psi. 69 BFTR. RU swab equipment, made 24 swab runs in 6 hrs, recovered 108 bf w/ 39 BOL w/ IFL-1100' FS and EFL- 1000' FS. Run 2nd - 4th run: FL- 500' FS, 5th run: FL- 600' FS, 6th run: FL- 800' FS, 7th - 24th run: FL-1000' FS. All samples 100% water w/ no solids and no show of gas.

3/7/17

RIW w/ swab w/ IFL 1200' FS, and pulled from 2500' FS. Made 24 swab runs in 8 hrs, recovered 123 bw w/ 231 bw recovered in 2 days w/ 162 BOL w/ FL- 1200' FS on all swab runs and all samples 100% water w/ no solids and no show of gas. RD swab equipment, NDWH and NU BOP. Released packer and POW w/ 20 jts 2-3/8" N80 YB tubing.

3/8/17

RIW w/ 20 jts 2-3/8" N80 tubing from derrick, set packer w/ 12K compression at 7003'. RU pump truck on tbg/csg annulus, pressured up on packer to 500 psi for 10 min w/ no pressure loss, bled off pressure, and released TOSSD. Pumped 100 bfw w/ 10 gals PI-20 packer fluid and 5 gals OS-100 oxygen scavenger down casing and engaged TOSSD. ND BOP and NUWH, pumped 30 bfw w/ packer fluid down casing.