

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.
NMNM084402

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 27. If Unit or CA/Agreement, Name and/or No.
SW247

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other8. Well Name and No.
ROSS FEDERAL 5

2. Name of Operator

FASKEN OIL & RANCH LIMITED

Contact: ADDISON LONG

E-Mail: addisonl@forl.com

9. API Well No.

30-015-33592-00-S1

3a. Address

6101 HOLIDAY HILL ROAD
MIDLAND, TX 79707

3b. Phone No. (include area code)

Ph: 432-556-8661

10. Field and Pool or Exploratory Area

CEMETERY-MORROW 74680

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

Sec 4 T21S R24E NENE 660FNL 660FEL

11. County or Parish, State

EDDY COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 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.

Fasken Oil and Ranch, Ltd. requests to recompleate the above well to the Wolfcamp. Please see attached Procedure, Proposed, and Current Wellbore Diagram.

OCD Artesia

NM OIL CONSERVATION
ARTESIA DISTRICT

NOV 02 2017

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

Submit C102 to NMOC

RECEIVED

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

Electronic Submission #374724 verified by the BLM Well Information System
For FASKEN OIL & RANCH LIMITED, sent to the Carlsbad
Committed to AFMSS for processing by DEBORAH MCKINNEY on 05/04/2017 (17DLM1593SE)

Name (Printed/Typed) ADDISON LONG

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 05/02/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ZOTA STEVENS

Title PETROLEUM ENGINEER

Date 10/26/2017

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 **

72-29-17

KWP
11-2-17

Recommended Workover Procedure
Ross Federal No. 5
660' FNL & 660' FEL
Sec 4, T21S R24E

OBJECTIVE:	Recomplete to Wolfcamp
WELL DATA:	
13-3/8" 48#/ft H-40 ST&C casing:	Set at 412.25' KB Cmt w/600 sx. Circ to Surf
9-5/8" 36.0#/ft K-55 LT&C casing:	Set at 3002.34' KB, Cmt w/ 800 sx, circ 129 sx to surf.
5-1/2" 17# N-80 LT&C casing:	Set at 9862.19', Cmt w/ 1100 sx, TOC 5800' by temp survey. Marker jts 18.03' @ 9404.67'; 18.02' @ 7290.98'
Perfs:	Morrow 9463'-68' 9-19-07 (2jspf, 10h) Morrow 9516'-26' 9-19-07 (2jspf, 20h) CIBP 9-18-17: 9585' w/1 sk "H" cmt (pbtd 9576') Morrow 11-10-04: 9590' - 9646' w/ 3-3/8" TCP guns, 4JSPF, .48"EH w/ 41.30" penetration (total 224 holes).
Packer:	5-1/2" x 2-3/8" Arrowset 1X 10K packer, 1.781 "F", 5-1/2" x 2-3/8" TOSSD, Top of packer @ 9376'.
Tubing:	2956 jts 2-3/8" EUE 8rd L-80 AB mod. Details in attached wbd.
KB:	18.5'
TD:	9,870'
PBTD:	9576' (CIBP @ 8585 w/1sk "H" cmt)

1. Set test tank and lay flowline.
2. RUPU. Receive 12 jts 2-3/8" EUE 8rd N80 tubing to tag PBTD.
3. RU pump truck and kill well w/ 35 bbls 2% KCL w/ clay stabilizer, corrosion inhibitor and oxygen scavenger.
4. NDWH, NU BOP.
5. Release packer, POW with tubing and packer.
6. RIW with 5-1/2" CIBP, 4' perforated sub, SN, 2-3/8 EUE 8rd 4.7#/ft L-80 AB Modified tubing, and set CIBP at ~~+/- 9410'~~ ^{9410H} (minimum 50' above top perforation at 9463').
7. RU pump truck and circulate well with 2% Kcl water.
8. Test casing and plug to 2500 psi on chart recorder w/1 hr clock (calibrated within last 6 months).
9. RU cementers pump 34 bbls 9.5 ppg mud laden brine water containing 12.5#/bbl salt gel, 1 bbl freshwater spacer and spot 25 sx class "H" cement (1.17 cuft/sk yield) above CIBP 9410' for a PBTD of 9212' (calc 9212 w/ yield 1.06 cuft/sk). Displace cement with 1 bbl fresh water spacer and 6 bbls mud laden brine water followed by 29 bbls 2% Kcl water. ' . POW to 7520' and WOC 8 hours and tag plug at 9212'.
10. POW laying down about 66 joints 2-3/8" EUE 8rd 4.7#/ft L-80 AB Modified tubing.
11. RIW with 4' x 2-3/8" EUE 8rd L-80 AB Modified tubing sub, Arrowset IX 10k packer, TOSSD with 1.781" "F" profile nipple, and 2-3/8" EUE 8rd 4.7#/ft L-80 AB Modified tubing to +/- 7300'.
12. Release TOSSD and circulate well with 2% KCL water containing packer fluid and clay stabilizer.
13. ND BOP. NUWH double valve flow tree, setting packer in 12 points compression.
14. Swab tubing volume to 6000' from surface.

15. RUWL with 3000 psi lubricator and grease. Perforate Wolfcamp with 1-11/16" Gamma strip gun as follows:

7369' – 7377' (9h, 1JSPF)

7398' – 7415' (18h, 1JSPF)

7425' – 7430' (6h, 1JSPF)

17 total holes by Baker Hughes Compensated Z-Densilog Compensated Neutron Log Gamma Ray Log dated 10-20-2004. POW, checking that all shots fired, and RDWL.

16. Flow test, swab and evaluate fluid entry.
17. RU pumping service. Trap 500 psi on annulus. Acidize Wolfcamp perms 7369'-7430' via 2-3/8" tubing with 1500 gal 15% NEFE HCL acid dropping 60 ball sealers evenly spaced. Rate 2-4 bpm at max pressure 3000 psi (limited to casing test pressure). RD stimulation company.
18. Swab and flow back acid and load water to steel test tank and evaluate.
19. Flow well and evaluate.
20. Return well to sales.
21. RDPU.

Ross Federal No. 5

Proposed as of 3-20-17

Operator: **Fasken Oil and Ranch, Ltd.**

Location: 660' FEL and 660' FNL
Sec 4, T21S, R24E
Eddy County, NM

Compl.: 10/22/2004 released rig

API #: 30-015-33592

TD: 9,870'

PBTD: 9576' (CIBP 9585 w/1sk "H", orig 9,818' FC)

Casing: 13-3/8" 48# H-40 @ 412.25'
w/400 sx "C" w/2% CaCl2
TOC surf, circ 113 sx
9-5/8" 36# K-55 @ 3002.34'KB
w/ 600sx "C" w/4%gel+200sx "C"

TOC surf, circ 129 sx
5-1/2" 17# N-80 @ 9862.19'
1100 sx Super C modified w/1% salt
and 1.1% FL25

TOC: TOC 5800' by Temp

Tubing: Proposed 3-20-17

AJL:	Wire line entry guide	0.45
31.71	5-1/2" x 2-3/8" Arrowset 1X 10K	7.95
	WL set pkr w/1.781" "F" steel profile	
	4-1/2" x 2-3/8" EUE 8 rd. TOSSD	1.35
	229 jt-2-3/8"EUE 8rd. L80 ABmod 4.7#	7261.36
	1 sub-2-3/8"EUE 8rd. L80 ABmod 4.7#	5.68
	Below KB	7276.79
	Below KB	15.00
	EOT	7291.79

Proposed Perfs:

Wolfcamp

7369'-7377' w/ 1jspf, 9 holes
7398'-7415' w/ 1jspf, 18 holes

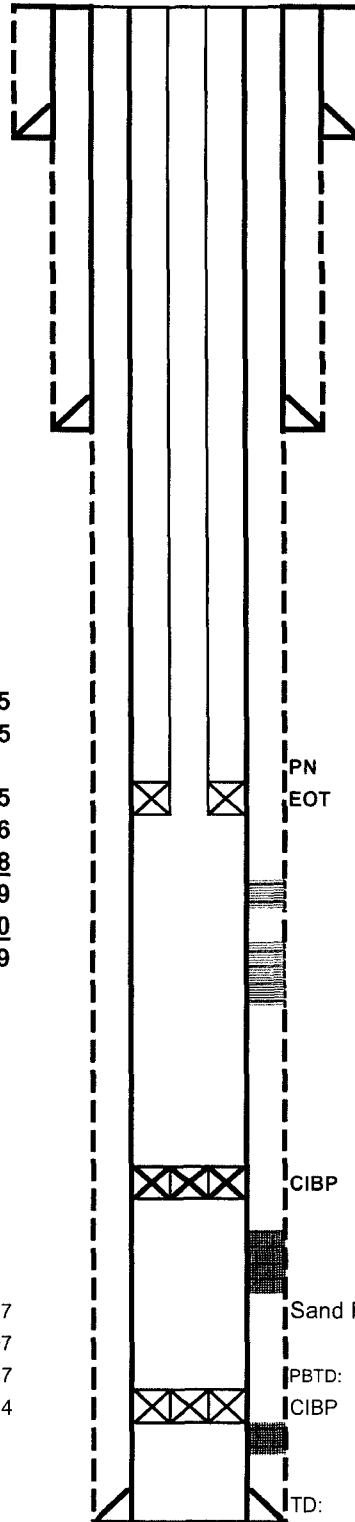
Proposed 25 sx"H"9410'-9212', Plug #2, Tag

Proposed CIBP 9410'

Perfs:

Mrrw Aqua	9463'-9468' w/ 2jspf, 10 holes	9/19/07
Mrrw Yellow	9516'-9526' w/ 2 jsfp, 20 holes	9/19/07
CIBP	9585' w/1sk "H" cmt (pbtd 9576')	9/18/07
Morrow	9590'-9646' w/ 4 JSPF, 224 total holes	11/10/04

Hole Sizes 17-1/2" 412' 12-1/4" 3003' 8-3/4" 9870'



13-3/8" 48# H-40 @ 412.25'
w/400 sx "C" w/2% CaCl2
TOC surf, circ 113 sx

9-5/8" 36# K-55 @ 3002.34'KB
w/ 600sx "C" w/4%gel+200sx "C"
TOC surf, circ 129 sx

TOC 5800' by Temp

PN 7283.39
EOT 7291.79

Wolfcamp 7300'

Proposed Wolfcamp Perfs:

7369'-7377' w/ 1jspf, 9 holes

7398'-7415' w/ 1jspf, 18 holes

Strawn 8730'

25 sx"H"9410'-9212', Plug #2, Tag
9410'

Morrow 9440'

9463'-9468' w/ 2jspf, 10 holes
9516'-9526' w/ 2 jsfp, 20 holes

Sand Fill 9524' Oct 2007

PBTD: 9576' (CIBP 9585 w/1sk "H", orig 9,818' FC)
CIBP 9585' w/1sk "H" cmt (pbtd 9576')
9590'-9646' w/ 4 JSPF, 224 total holes

TD: 9,870'
5-1/2" 17# N-80 @ 9862.19'
1100 sx Super C modified w/1% salt

cwb
3-20-17
Ross5 wb diag.xls
Ross5 Prop Wlfcmp 3-20-17

Ross Federal No. 5

as of 10-10-07

GL: 3689'

KB: 3707.5'

Operator: **Fasken Oil and Ranch, Ltd.**

Location: 660' FEL and 660' FNL
Sec 4, T21S, R24E
Eddy County, NM

Compl.: 10/22/2004 released rig

API #: 30-015-33592

TD: 9,870'

PBTD: 9576' (CIBP 9585 w/1sk "H", orig 9,818' FC)

Casing: 13-3/8" 48# H-40 @ 412.25'

w/400 sx "C" w/2% CaCl2

TOC surf, circ 113 sx

9-5/8" 36# K-55 @ 3002.34'KB

w/ 600sx "C" w/4%gel+200sx "C"

TOC surf, circ 129 sx

5-1/2" 17# N-80 @ 9862.19'

1100 sx Super C modified w/1% salt

and 1.1% FL25

TOC: TOC 5800' by Temp

Tubing: Asof 10-10-07

Wire line entry guide

0.45

AJL: 2-3/8" Burst disc

0.45

31.71 5-1/2" x 2-3/8" Arrowset 1X 10K

7.95

WL set pkr w/1.781" "F" steel profile

4-1/2" x 2-3/8" EUE 8 rd. TOSSD

1.35

295 jt-2-3/8"EUE 8rd. L80 ABmod 4.7# tb

9354.16

1 sub-2-3/8"EUE 8rd. L80 ABmod 4.7# tb

5.68

Below KB

9370.04

Below KB

15.00

EOT

9385.04

Perfs:

Morrow Aqua Sand

9463'-9468' w/ 2jspf, 10 holes

9/19/07

Morrow Yellow Sand

9516'-9526' w/ 2 jsfp, 20 holes

9/19/07

Morrow Green Sand

9562'-68' w/2jspf,13 holes

Proposed '07: "Perf after frac"

PN 9376.19

Pkr 9376.19

EOT 9385.04

9463'-9468' w/ 2jspf, 10 holes

9516'-9526' w/ 2 jsfp, 20 holes

Sand Fill 9524' Oct 2007

9562'-68' w/2jspf,13 holes

CIBP 9585' w/1sk "H" cmt (pbtd 9576')

9/18/07

Morrow

9590'-9646' w/ 4 JSPF, 224 total holes

11/10/04

PBTD: 9576' (CIBP 9585 w/1sk "H", orig 9,818' FC)

CIBP 9585' w/1sk "H" cmt (pbtd 9576')

9590'-9646' w/ 4 JSPF, 224 total holes

Hole Sizes

17-1/2" 412'

12-1/4" 3003'

8-3/4" 9870'

TD: 9,870'

5-1/2" 17# N-80 @ 9862.19'

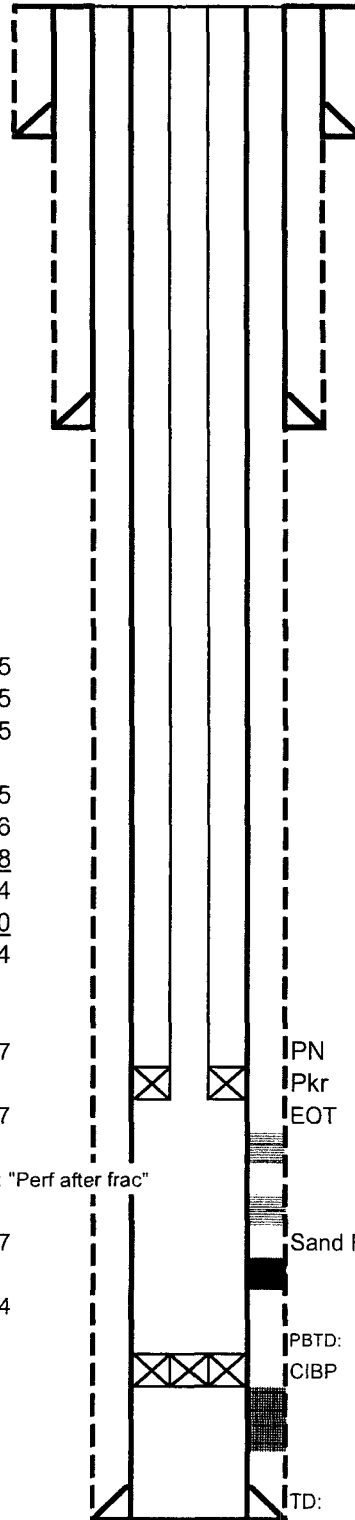
1100 sx Super C modified w/1% salt

cwb

3-20-17

Ross5 wb diag.xls

Ross5 Curr 10-10-07



Ross Federal No. 5
30-015-33592
FASKEN OIL AND RANCH
Conditions of Approval

Notify BLM at 575-361-2822 (Eddy County) a minimum of 24 hours prior to commencing work.

Work to be completed by January 27, 2018.

1. Must conduct a casing integrity test before perforating and fracturing. Submit results to BLM. The CIT is to be performed on the production casing to max treating pressure. Notify BLM if test fails.
2. Before casing or a liner is added or replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.
3. Surface disturbance beyond the originally approved pad must have prior approval.
4. Closed loop system required.
5. All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of work over operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.
6. Operator to have H2S monitoring equipment on location.
7. A minimum of a 3000 (3M) BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (3M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.
8. **Subsequent sundry required detailing work done, a C-102 form, and completion report for the new formations. Operator to include well bore schematic of current well condition when work is complete.**

Permanent Abandonment of Production Zone 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. Plug back operations shall commence within **ninety (90)** days from this approval. **If you are unable to plug back 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 plugged back. Failure to do so will result in enforcement action.**

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plug back operations. For wells in Eddy County, call 575-361-2822. For wells in 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. **Before pumping 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.

6. **Subsequent Plug back Reporting:** Within 30 days after plug back work is completed, file one original and three copies of the Subsequent Report, Form 3160-5 to BLM. The report should give in detail the manner in which the plug back work 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 work was completed.** If plugging back to a new zone submit a Completion Report, form 3160-4 with the Subsequent Report.

7. **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.

ZS 102717