

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**NMOCD**  
**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.  
NMNM0488813

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
CAMERON 31 1

2. Name of Operator  
FASKEN OIL & RANCH LIMITED  
Contact: ADDISON LONG  
E-Mail: addisonl@forl.com

9. API Well No.  
30-015-20907-00-C1

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  
WILDCAT *Yeso*

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 31 T20S R25E NWSE 1650FSL 1650FEL

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 type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Workover Operations
	<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 recomplete 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 recompletion 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. plans to add perms to the Yeso formation and return the well to production. Please see attached procedures, current and proposed wellbore diagrams.

*AE 9-13-17*  
Accepted for record - NMOCD

**NM OIL CONSERVATION**  
ARTESIA DISTRICT  
SEP 13 2017

RECEIVED

*Add pay*

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

**Electronic Submission #381158 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 07/19/2017 (17PP0715SE)**

Name (Printed/Typed) ADDISON LONG Title REGULATORY ANALYST

Signature (Electronic Submission) Date 07/12/2017

APPROVED

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

AUG 28 2017

Approved By \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

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 \_\_\_\_\_

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD 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 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 \*\***

**Recommended Workover Procedure**  
**Cameron "31" Federal No. 1**  
**1650' FSL & 1650' FEL**  
**Sec 31, T20S, R25E**

Objective: Add Upper Yeso and fracture stimulate.

API: 30-015-20907

KB: 3723'; GL: 3708'

Completed 11-5-73

TD: 9,880'

PBTD: 3178' 8-5/8" shoe plug 10-1-2010.

Casing: 13-3/8" 48#/ft @ 198' cmt w/250 sx, Circ to surf.

8-5/8" 24# & 32#/ft @ 3250'w/1200sx, Circ to surf.

4-1/2" 11.6#/ft N-80 TD to 7033', J-55 7033'-1689', N-80 1690'-surf w/450 sx "C". TOC 7860'

Plug3 8-5/8" shoe plug 60 sx "C" 3178'-3400', tagged (10-1-10)

Plug2 60 sx "C" 6357'-6530'

Plug1 62 sx "H" 6809'-7286'

Cutoff 4-1/2" csg 9-28-10.

Perfs: Yeso (10-2-10) 2848'-58' (11h), 2900'-10' (11h), 2942'-52' (11h), 2974'-84' (11h), 3012'-22' (11h)

CIBP 8425' w/35' cmt (9-25-10)

Penn (9-28-02) 8475'-79' (5h), 8633'-40' (8h), 8826'-34' (9h), 9046'-58' (13h, 3-12-03)

CIBP: 9395' w/35' cmt (8-1-02)

Morrow 9472'-9482', 9560'-9626', 9632'-9644', 9648'-9654'

Tubing: 1-2-7/8"x4" PS and collar (4.60'), 2-7/8" 8rd SN (1.10'), 2-7/8" EUE rd J55 tbg TK-99 IPC pump jt (32.50'), 86 jts EUE 8rd J55 tbg (2,789.91'), 6 jts 2-7/8" EUE 8rd J55 (YB) tbg (194.26'), EOT 3034.37' KB.

Rods: 2.5"x1.5"x16' RWBC pmp w2" strainer and 1' lift sub (17.00'), 14-1.5" Flexbar C K-bars w/3/4" pins and SHSM cplgs (350.00'), 96-7/8" Norris N90 rods w/FHSM cplgs (2400.00') new, 9-7/8" Norris N90 rods w/FHSM cplgs (225.00') reran, 2-7/8" Norris 90 pony rods (6' & 4') w/ FHSM cplgs (10.00'), 1-1/4"x16' polish rod w/1-1/2" x 8' liner (16.00'), total 3018'.

Prod: May-Jun 2017 avg - 5 bopd, 52 bwpd, 7 mcf

1. Test mast anchors and have tank permits in hand before RUPU; notify BLM 24 hrs before starting.
2. RUPU. POW with rods and tubing (see detail above).
3. RU pump truck and kill well with 20 bfw containing clay stabilizer, oxygen scavenger and biocide.
4. NDWH and NU BOP. POW with 2-7/8" tubing and BHA (see detail above).
1. RU wireline lubricator. Set 8-5/8" CIBP at 2750'. Dump bail 2 sx Class "C" cement on CIBP (PBTD 2743') RD wireline.
2. RU pump truck, fill casing with fresh water containing clay stabilizer, oxygen scavenger and biocide.. Pressure test CIBP and casing to 2360 psi (80% of 8-5/8" 24#/ft K-55 burst).
3. RIW with 2-7/8" tubing to 2713' and spot 500 gals 15% HCL double inhibited NEFE acid from 2713'- 2518' FS.
4. RIW with 4" slick guns and perforate Upper Yeso zone through 8-5/8" casing 2 JSPF, 120° phasing using select fire @ 2620'-25' (20h), 2652'-57' (20h), and 2708'-13' (20h), total 60 holes. POW with guns and note that all shots fired. RDWL.
5. RIW with 8-5/8" HD packer, SN, and 2-7/8" EUE 8rd tubing to +/-2500'. Reverse 5 bfw. Set packer in 10 points compression.
6. Displace 500 gal spot acid with fresh water at max pressure 2360 psi (80% of 8-5/8" 24#/ft burst) flushing to bottom perf 2713'.

7. RU pumping service and acidize perms 2620'-2713' (60 holes) with 1750 gal 15% NEFE acid with 4 gpt Ferrotrol 280L, 1gpt CI-27, and 1 gpt NE-940 BJ additives (or equivalent). Pump 250 gals acid followed by 1500 gals acid dropping 66 - 1.3 s.g. ball sealers evenly spaced. Attempt to achieve ball out with maximum pressure 2360 psi. Displace acid with fresh water containing clay stabilizer and oxygen scavenger. Record ISIP 5, 10 and 15 minute SITP. Bleed pressure off annulus and RD pumping service.
8. Swab back load and acid water and evaluate.
9. Kill well if necessary with fresh water containing clay stabilizer, oxygen scavenger and biocide.. Release 8-5/8" HD packer and RIW to below bottom perf at 2713'. POW with 2-7/8" tubing, SN and packer.
10. ND BOP. RDPU.
11. NU 5K frac valve. Set frac tanks and fill per stimulation company recommendation with fresh water with biocide. RU stimulation service. Frac Upper Yeso perms 2620'-2713' (60 holes) via 8-5/8" casing with with 200,000 gal slick water + 100,000 lbs 20/40 sand, maximum pressure 2360 psi (80% of 8-5/8" 24#/ft K-55 burst). Flush to top perf 2620'.
12. Flow back until well is dead. ND frac valve.
13. RUPU and NU BOP with 2-7/8" pipe rams and blind rams.
14. RU reverse unit and RIW with 7-1/2" bit, bit sub, 6 - 3-/12" DC's and 2-7/8' EUE 8rd J-55 workstring and drill out CIBP at 2750' using fresh water containing clay stabilizer, oxygen scavenger and biocide.
15. Clean out to PBSD +/-3178', circulate well clean and POW 2-7/8" tubing and BHA.
16. RIW with 2-7/8" bull plugged MA, 2-7/8 " perforated sub and 2-7/8" SN and 2-7/8" EUE 8rd 6.5#/ft J-55 tubing to +/-2550' above top perf @ 2620'.
17. Run rods and pump per ALS recommendation to be included with procedure.
18. RDPU, clean location and release all rental equipment.
19. Return well to production and report on daily drilling reports to Midland office.

CWB/SRF

7-11-17

(Cameron31Fed1 afe 3532 Add U Yeso cwb\_srf 7-11-17.doc)

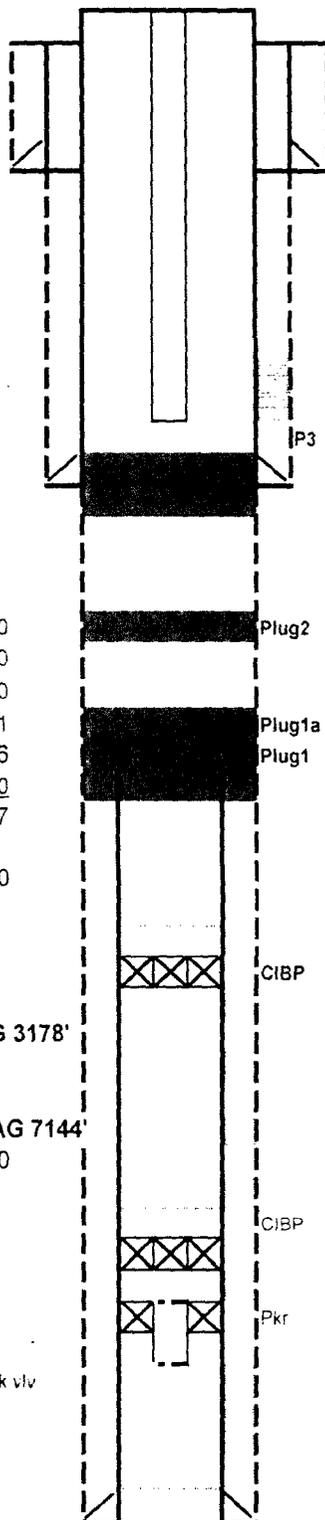
# Cameron "31" Federal No. 1

Current as of 2-2-17

GL 3708'; KB 3723'

**Formation Tops**

Operator: **Fasken Oil and Ranch, Ltd.**  
 Location: 1650' FSL and 1650' FEL  
 Sec 31, T20S, R25E  
 Eddy County, NM  
 Compl: 10/1/1973 released rig  
 API #: 30-015-20907  
 TD: 9880'  
 PBTD: 3178' (Cmt), Orig 9774'  
 Casing: 13-3/8" 48# H-40 @ 198.91' KB



13-3/8" 48# H-40 @ 199'  
 TOC surf

**San Andres 838'**

**Yeso 2590'**

8-5/8" 24# J&K55 surf-2493'

2848'-3022'

P3 60sx "C" 3178'-3400' Tagged

8-5/8" 32&24# J&K-55 @ 3253 16' KB

TOC surf

**Bone Spring 3350'**

Plug2 60 sx "C" 6357'-6530', Tagged

**Wolfcamp 6480'**

**Penn 7698'**

Plug1a 25 sx "H" 6809'-7144', No Tag

Plug1 37 sx "H" 7144'-7286' Tagged

Cut casing 7200' 9-28-10

TOC 7860' by temp

**Canyon 8160'**

CIBP 8425' w/35'

8475'-79'

**Strawn 8600'**

8633'-40'

8826'-34'

**Atoka 9040'**

9046'-58'

CIBP 9395' w/35'

**Morrow 9450'**

9472 82'

Pkr 9520'

9560'-26'

9632'-44'

9648'-56'

**Barnett 9780'**

w/150sx Lite(12 8ppg)+100sx"C" w/2% caCl2(14 8ppg)  
 TOC surf circ 30 sx  
**8-5/8" 32# K55 & 24# J&K55 @ 3253.16' KB**  
 w/1000sx Lite + 200sx "C" w/2% CaCl2 circ 79sx  
 TOC surf (btm 20 jts 32# K-55, AJL 38 02')  
**4-1/2" 11.6# N-80&J-55@ 9821.31' KB**  
 450 sx "C" w/7 6#/sx salt +1% Halad9 (14 4 ppg)  
 TOC 7860' by temp

**Tubing:** 2/2/2017

2-7/8 x4 PS and collar	4 60
AJL 2-7/8" 8rd SN	1 10
32 44 2-7/8 EUE8rdJ55 tbgTK-99pmp jt	32 50
86 jts EUE 8rd J55 tbg (New)	2789.91
6 jts 2-7/8" EUE 8rd J55 (YB)	194.26
KB	<u>12.00</u>
EOT	3034.37

**Perfs:**

L. Yeso	2848'-58'	11h, 1 JSPF, 60° Ph	10/2/2010
	2900'-10'	11h, 1 JSPF, 60° Ph	"
	2942'-52'	11h, 1 JSPF, 60° Ph	"
	2974'-84'	11h, 1 JSPF, 60° Ph	"
	3012'-22'	11h, 1 JSPF, 60° Ph	"

Plug3	60 sx "C"	3200'-3400'	Shoe, TAG 3178'
Plug2	60sx "C"	6357'-6530'	
Plug1a	25 sx "H"	7144'-6809'	
Plug1	65 sx "H"	7144'-7286'	Cutoff, TAG 7144'
CIBP	8425' w/35'		9/25/2010

**Perfs:**

Penn	8475'-79'	(5h 9-28-02)	
	8633'-40'	(8h 9-28-02)	
	8826'-34'	(9h 8-14-02)	
	9046'-58'	(13h 3-12-03)	
CIBP	9395' w/35'	cmt 8/10/2002	
Pkr	Watson J-lock @ 9520	w/1 781" "F" PN 1jt 2-3/8" w/chk vlv	
Morrow	9472-82'	(21h 10-18-85)	
	9560'-26'	(65h 10-10-77) (67h 10-18-85)	
	9632'-44'	(25h 10-18-85)	
	9648'-56'	(17h 10-18-85)	

**Hole sizes:** 17-1/2' 0-196' 12-1/4' 198'-3250' 7-7/8" 3250-9880'

PBTD 3178' (Cmt) Orig 4-1/2" 11 6# N-80&J-55@ 9821 31' KB  
 TD 9880' @ 9821 31' KB

Producing 5 bopd, 52 bwpd, 7 mcfd

cwb  
2-2-17

Cameron31Fed1 wb diagram.xls

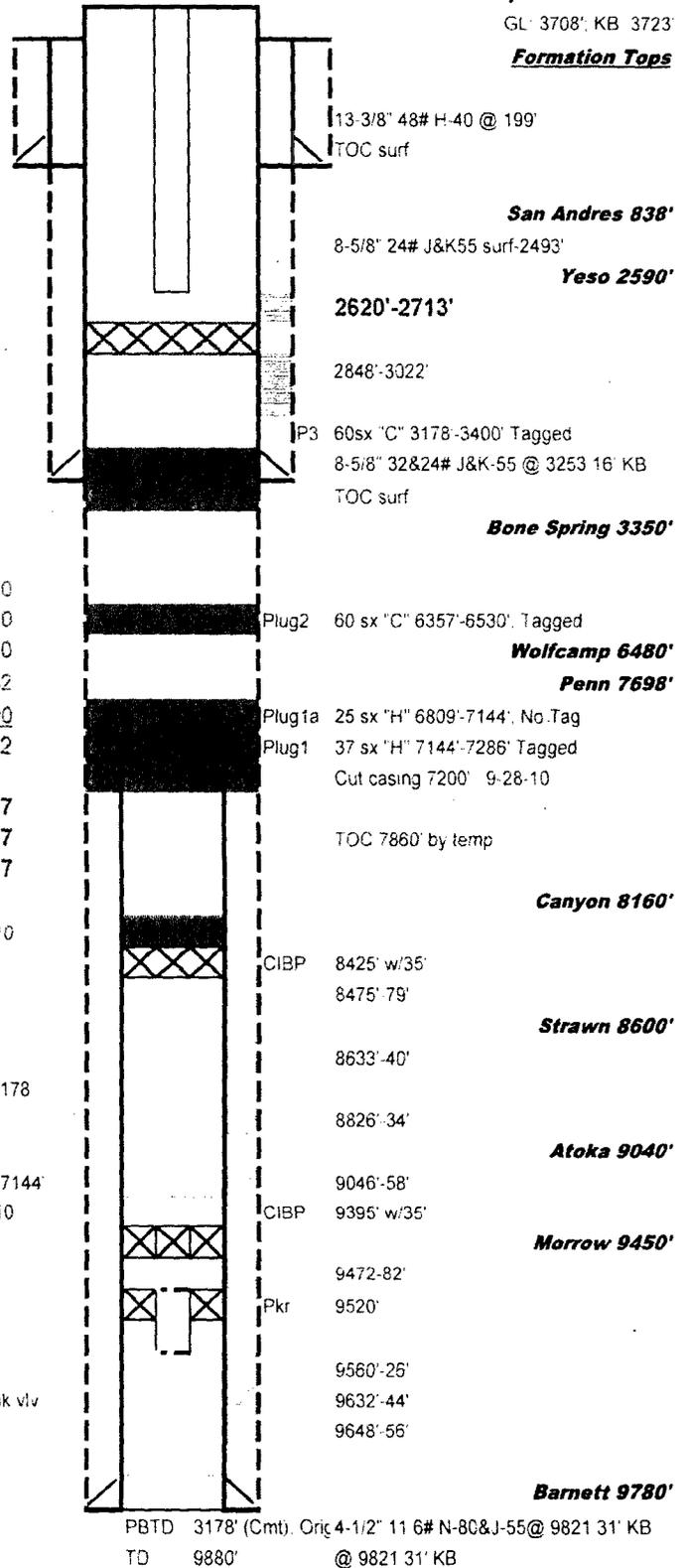
# Cameron "31" Federal No. 1

Proposed 07-11-17

GL: 3708', KB 3723

**Formation Tops**

Operator: **Fasken Oil and Ranch, Ltd.**  
 Location: 1650' FSL and 1650' FEL  
 Sec 31, T20S, R25E  
 Eddy County, NM  
 Compl.: 10/1/1973 released rig  
 API #: 30-015-20907  
 TD: 9880'  
 PBDT: 3178' (Cmt), Orig 9774'  
 Casing: 13-3/8" 48# H-40 @ 198.91' KB



w/150sx Lite(12 8ppg)+100sx"C"w/2% CaCl2(14 8ppg)  
 TOC surf. circ 30 sx  
**8-5/8" 32# K55 & 24# J&K55 @ 3253.16' KB**  
 w/1000sx Lite + 200sx "C" w/2% CaCl2. circ 79sx  
 TOC surf (btm 20 jts 32# K-55 AJL 38 02')  
**4-1/2" 11.6# N-80&J-55@ 9821.31' KB**  
 450 sx "C" w/7 6#-sx salt.+1% Halad9 (14 4 ppg)  
 TOC 7860' by temp

Tubing:	2-7/8 x4' PS and collar	4.60
	2-7/8" 8rd SN	1 10
AJL	2-7/8" EUE8rdJ55 tbgTK-99pmp jt	32 50
32.44	77 jts EUE 8rd J55 tbg (New)	2497 62
	KB	<u>12.00</u>
	EOT	2547 82

U. Yeso	<b>2620'-25'</b>	20h, 2 JSPF, 60° Ph	<b>5/30/2017</b>
	<b>2652'-57'</b>	20h, 2 JSPF, 60° Ph	<b>5/30/2017</b>
	<b>2708'-13'</b>	20h, 2 JSPF, 60° Ph	<b>5/30/2017</b>

<b>CIBP</b>	<b>2750'</b>		
L. Yeso	2848'-58'	11h 1 JSPF 60° Ph	10/2/10
	2900'-10'	11h 1 JSPF 60° Ph	"
	2942'-52'	11h 1 JSPF 60° Ph	"
	2974'-84'	11h 1 JSPF 60° Ph	"
	3012'-22'	11h 1 JSPF 60° Ph	"

Plug3	60 sx "C"	3200'-3400'	Shoe. TAG 3178
Plug2	60sx "C"	6357'-6530'	
Plug1a	25 sx "H"	7144-6809'	
Plug1	65 sx "H"	7144-7286'	Cutoff TAG 7144'
CIBP	8425' w/35		9/25/2010

Penn:	8475'-79'	(5h 9-28-02)	
	8633'-40'	(8h 9-28-02)	
	8826'-34'	(9h 8-14-02)	
	9046'-58'	(13h 3-12-03)	
<b>CIBP</b>	9395' w/35	cmt 8/10/2002	
<b>Pkr</b>	Watson J-lock @ 9520'	w/1 781" "F" PN 1jt 2-3/8" w/chk vlv	

**Morrow:** 9472'-82' (21h 10-18-85)  
 9560'-26' (65h 10-10-77) (67h 10-18-85)  
 9632'-44' (25h 10-18-85)  
 9648'-56' (17h 10-18-85)

**Hole sizes:** 17-1/2" 0-198' 12-1/4" 198'-3250' 7-7/8" 3250'-9880'  
 L. Yeso: 5 bopd, 52 bwpd, 7 mcfd (avg May-Jun 2017)

PBDT 3178' (Cmt), Orig 4-1/2" 11.6# N-80&J-55@ 9821 31' KB  
 TD 9880' @ 9821 31' KB