

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

SUBMIT IN TRIPLICATE - Other instructions on page 27. If Unit or CA/Agreement, Name and/or No.
SW3818. Well Name and No.
SHELL FED COM 19. API Well No.
30-015-10881-00-S110. Field and Pool or Exploratory Area
INDIAN BASIN-STRAWN
WOLFCAMP

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 type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" 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. requests approval to plug and abandon the above well. Please see attached procedure, current and proposed wellbore diagrams.

GS 11-7-18
Accepted for record - NMOCD

RECEIVED


SEE ATTACHED FOR
CONDITIONS OF APPROVAL

NOV 06 2018

DISTRICT II-ARTESIA O.C.D.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #440551 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 10/22/2018 (19DLM0062SE)	
Name (Printed/Typed) ADDISON GUELKER	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 10/19/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By 	Title SPET	Date 10-31-18
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 CRO	

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 **

ENTERED


**Recommended P&A Procedure
Fasken Oil and Ranch, Ltd.
Shell Fed Com No. 1**

OBJECTIVE:	Plug and Abandon
WELL DATA (as of 9-26-18):	
13-3/8" 48# casing:	Set at 310', 350 sx. Circ 325sx cmt to surface.
8-5/8" 24 # casing:	Set at 3,100', w/1100sx Incor+ 330sx "C" neat; Circ 276 sx to surface.
4-1/2" 11.6# N80&J55 casing:	Set at 9,900' 450 sx Incor ("C") TOC @ 7,750' Temp survey. Cutoff at 6590' 6-27-18
Perfs & Plugs:	<p>Yeso: 2789'-67' Swb non-commercial 7-17-18</p> <p>Plug7 8-5/8" shoe, 75sx "C" 3246'-2998' Tag 7-16-18</p> <p>Yeso: 3050'-80', swab wet.</p> <p>Plug6 50sx "C" 3406'-4346' Tag 7-3-18</p> <p>Plug5 95sx "C" 7030'-6458/ Tag 7-2-18</p> <p>Cut and pull csg 6590' 6-27-18,</p> <p>CIBP @ 7030' 6-26-18</p> <p>Wolfcamp: 7106'-7129'</p> <p>Plug4 Cmt Ret 7650', Remeidal Sqz 7700'-7210'165x, Sqz 7210'-7080' 145sx, 2-22-17</p> <p>Plug3 CIBP @ 8,501' w/358' cmt 2-16-17</p> <p>Strawn: 8568'-76', Dec 2014</p> <p>Strawn: 8895'-8910', May 2015:</p> <p>Plug2 CIBP @ 9131'-8901' w/230' "H" cmt 12-24-14, WL tag 5-18-15</p> <p>Atoka: 9181'-9422', Jul 2014</p> <p>CIBP 9550 w/35' "H" cmt</p> <p>CIBP 9560</p> <p>Morrow: 9670'-9731'Feb 2017</p>
Tubing:	None – all tubing retrieved on 7-17-2018
KB:	13'
TD:	9,901'
PBTD:	2,956' (Plug @ 3,246' w/290'cmt) 7-7-2018

1. Notify BLM in Carlsbad @ 575-361-2822 of intent to plug and abandon 24 hours prior to rigging up on well.
2. Make sure mast anchors have been tested and tagged in last 24 months.
3. RUPU, set rig mats, cat walk, 2 sets pipe racks and a half-frac workover tank on location.
4. Lay flow line to workover tank. Receive +/- 3,100' 2-3/8" EUE 8rd 4.7#/ft N80 workstring tubing.
5. Bleed casing pressure (if any) to tank.
6. RU pump truck and kill well via tubing with 40 bbls fresh water.
7. RIW with 2-3/8" notched collar, 2-3/8" EUE 8rd 4.7#/ft N80 tubing to PBTD 2,998' (tagged 7-16-18).
8. RU cement pump and mix and pump 159 bbls 9.5# salt gel mud with a minimum of 12.5 pounds of gel per barrel (or 25 sacks at 50 LB/sack per 100 bbls). Displace all cement plugs (estimated 540 feet of total cement plugs) with mud laden brine water.

- 2704
9. **Plug #8:** POW laying down tubing to 2839'. Mix and spot 35 sx Class "C" cement plug at 2839'-~~2789'~~. POW and WOC for 4 hrs and tag plug @ or above ~~2739'~~ 2706. Notify Midland Office and BLM of the results. POW to 2520'.
10. **Plug #9:** POW laying down tubing to 2520'. Mix and spot 35 sx Class "C" cement plug at 2520'-2390'. POW and WOC for 4 hrs and tag plug @ or above 2420'. Notify Midland Office and BLM of the results. 130' min. plug
11. **Plug #10:** POW laying down tubing to 960'. Mix and spot 30 sx Class "C" cement plug at 960'-850'. POW and WOC for 4 hrs and tag plug @ or above 860'. Notify Midland Office and BLM of the results.
12. **Plug #11:** (13-3/8" shoe 310'): POW to 360'. Mix and spot a 30 sx Class "C" cement plug at 360'-250'. POW and WOC 4 hrs. RIW with tubing and **TAG** cement plug @ or above 260' and notify Midland Office and BLM of the results.
13. **Plug #12 (Surface):** Mix and spot a 16 sx Class "C" cement plug at 60', displacing cement to surface.
14. Dig out wellheads and cut-off below "A" section.
15. Weld plate onto casing with marker joint with the following information. Fasken Oil & Ranch Ltd., Shell Federal Com No.1, Section 5, T21S, R24E, 1980' FSL and 1980' FWL, Unit C.
16. Install 1" 2000 psi valve welded into top of marker joint. Remove valve handle and close valve.
17. Send wellheads to Downing Wellhead in Midland. Clean location, RDPU and release all rental equipment.

9-26-18

Well: Shell Federal No. 1**Operator: Fasken Oil and Ranch, Ltd.****Location: 1980' FSL and 1980' FWL**

Sec 5, T21S, R24E

Eddy County, NM

Spudded: 10/30/1966**API #: 30-015-10881****TD: 9901'****PBTD: 2,956'****Casing: 13-3/8" 48# H-40 ST&C @ 310'**w/325sx Incor w/ 2% CaCl₂

circulated to surface

8-5/8" 24# J-55 ST&C 8rd thd @ 3100'w/1100sx Incor w/ 4% gel + 330 sx neat w/2% CaCl₂

circulated 276 sx to surface

4-1/2" 11.6# N-80&J-55 @ 9900'

450 sx Incor

TOC: TOC 7750' by Temp survey**plg 12 15 sx "C" 0-60', Surface****plg 11 30 sx "C" 360'-250', Tag****plg 10 30 sx "C" 960'-850', Tag****plg 9 35 sx "C" 2520'-2390', Tag****Plg 8 35 sx "C" 2839'-2709', Tag****Grayburg 300'****San Andres 910'****Glorietta 2470'****Yeso 2756'****Bone Spring 3250'****Plug7 U. Yeso 2789'-67' Non-Commerc 7/17/18**
75sx "C" 3246'-2998' Shoe, TAG 7-16-18**Plug6 L. Yeso 3050'-80' Non-Commercial**
50 sx "C" 3406'-3246' TAGGed 7-3-18
Wolfcamp 6645'**Plug5 95 sx "C" 7030'-6458' TAGGed 7-2-18**
CIBP 7030' 6/26/18

Rmedial Sqz(4h) 7080', 145sx "C" 2/21/17

Sqz(4 h) 7210' 2/22/17

Plug4 Cement Retainer 7650' 2/22/17
Rmedial Sqz(4h) 7700', 165sx "C" 2/16/17**Plug3 25 sx "H" 8501'-8143', tagged 2/16/17**
CIBP 8501' 2/16/17**Wolfcamp Strawn 8540' 2/21/17**
7106'-29' (4h) (2jspl, 3-1/8" CG, 0.42"**Strawn 8568'-76' 12/29/14****Plug2 8895'-8910' , Tag PBTD 8901' 5/18/15**
CIBP 9131' w/230' "H" cmt 12/24/14**Atoka Atoka 9170' 7/9/2014**
9181'-9422'**Plug1 CIBP 9560' 7/31/14**
Morrow Morow 9440'

9657'-9662' 2 JSPF 11-10-93 1965, 11/10/2003

9727'-9731' 2 JSPF 11-10-93 11/10/03

Hole Sizes 17-1/2" 310', 12-1/4" 3100', 7-7/8" 9901'**Status: Yeso tes 3050-80' unsuccessful****Proposed 9-27-18****plg12 15 sx "C" 0-60'**

circulated to surface

13-3/8" 48# H-40 ST&C @ 310'

plg11 30 sx "C" 360'-250'**plg 10 30 sx "C" 960'-850'****plg 9 35 sx "C" 2520'-2390'****Plg 8 35 sx "C" 2839'-2709'**

U. Yeso Perf 2789'-67'

8-5/8" 24# J-55 ST&C 8rd thd @ 3100'

L. Yeso Perf 3050'-80'

L. Yeso OH 3100'-3225'

L. Yeso Swab wtr, non-prod.**75 sx "C" 3246'-2998'****Plg7****Plg6 50sx "C", 3406'-3246'****Plg5 95sx "C", 7030'-6458'(tgd)****Cutoff 4-1/2" 6590' 6-27-18**

TOC 6720' by CBL

CIBP 7030' 6-26-18

Perf 7080', 145sx

Perfs Wlfc 7106'-29'

Perf 7210'

Cmt Ret 7650'

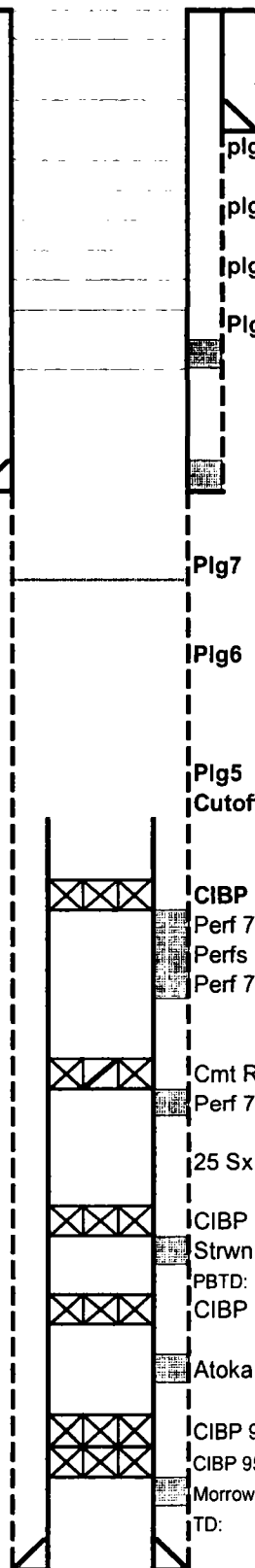
Perf 7700', 165sx, **plug #4**

TOC 7750' by Temp survey

25 Sx 8501'-8143', Plug #3**CIBP 8501'**

Strwn 8568'-8910'

PBTD: 2,956'

CIBP 9131', Plug #2**Atoka 9181'-9422'****CIBP 9550' w/35' "H" cmt, Plug #1****CIBP 9560'****Morrow 9570-9731'****TD: 9901'****4-1/2" 11.6# N-80&J-55 @ 9900'**

Well: **Shell Federal No. 1**

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

Location: 1980' FSL and 1980' FWL
Sec 5, T21S, R24E
Eddy County, NM

Spudded: 10/30/1966

API #: 30-015-10881

TD: 9901'

PBTD: 8901' (WL tag5/18/15 CIBP@9131 w/"H")

Casing: 13-3/8" 48# H-40 ST&C @ 310'

w/325sx Incor w/ 2% CaCl₂

circulated to surface

8-5/8" 24# J-55 ST&C 8rd thd @ 3100'

w/1100sx Incor w/ 4% gel + 330 sx neat w/2% CaCl₂

circulated 276 sx to surface

4-1/2" 11.6# N-80&J-55 @ 9900'

450 sx Incor

TOC: TOC 7750' by Temp survey

Current 7-17-18

RKB: 3383'

Plug7	U. Yeso 2789'-67' Non-Commercial	7/17/18
	75sx "C" 3246'-2998'	Shoe, TAG 7-16-18
	L. Yeso 3050'-80' Non-Commercial	
Plug6	50 sx "C" 3406'-3246'	TAGGed 7-3-18
		Wolfcamp 6645'
Plug5	95 sx "C" 7030'-6458'	TAGGed 7-2-18
CIBP	7030'	6/26/18
	Rmedial Sqz(4h) 7080', 145sx "C"	2/22/17
	Sqz(4 h) 7210'	2/22/17
	Cement Retainer 7650'	2/21/17
Plug4	Rmedial Sqz(4h) 7700', 165sx "C"	2/16/17
Plug3	25 sx "H" 8501'-8143', tagged	2/16/17
	CIBP 8501'	2/16/17
	Wolfcamp	Strawn 8540'
	7106'-29' (4h) (2jspf, 3-1/8" CG, 0.42")	2/21/17
	Strawn	
	8568'-76'	12/29/14
	8895'-8910', Tag PBTD 8901'	5/18/15
Plug2	CIBP 9131' w/230" "H" cmt	12/24/14
	Atoka	Atoka 9170'
	9181'-9422'	7/9/2014
Plug1	CIBP 9550' w/35" "H" cmt	7/3/14
	CIBP 9560'	Morow 9440'
	9657'-9662' 2 JSPF 11-10-93	1965, 11/10/2003
	9727'-9731' 2 JSPF 11-10-93	11/10/03
Hole Sizes	17-1/2" 310', 12-1/4" 3100', 7-7/8" 9901'	
Status:	Strawn recompletion unsuccessful, 0 mcfd.	

Tops

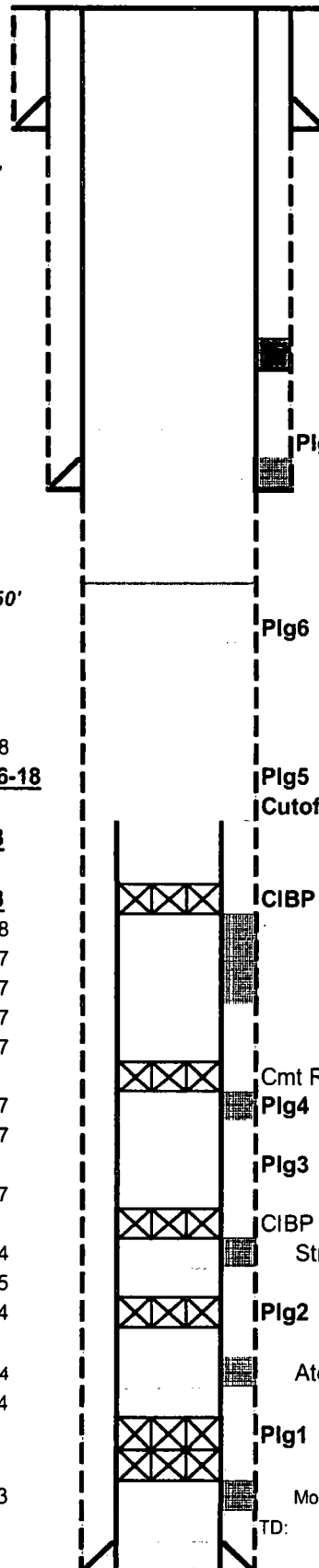
Grayburg 300'

San Andres 910'

Glorietta 2470'

Yeso 2756'

Bone Spring 3250'



13-3/8" 48# H-40 ST&C @ 310'
circulated to surface

U. Yeso Perf 2789'-67'

Plg7

75 sx "C" 3246'-2998'

L. Yeso Perf 3050-80'

8-5/8" 24# J-55 ST&C 8rd thd @ 3100'

Plg6

50sx "C", 3406'-3246'

Plg5

95sx "C", 7030'-6458'(tgd)

Cutoff 4-1/2" 6590' 6-27-18

TOC 6720' by CBL

CIBP 7030' 6-26-18

Perf 7080', 145sx

Perfs Wlfc 7106'-29'

Sqz Perf 7210'

Cmt Ret 7650'

Plg4

Perf 7700', 165sx

Plg3

TOC 7750' by Temp survey

25 Sx 8501'-8143'

CIBP 8501'

Plg2

Strwn 8568'-8901'

8901' (WL tag5/18/15 CIBP@9131 w/"H")

CIBP 9131'

Atoka

9181'-9422'

Plg1

CIBP 9550' w/35" "H" cmt

CIBP 9560'

Morrow

9570-9731'

TD:

9901'

4-1/2" 11.6# N-80&J-55 @ 9900'

cwt

7-13-18

Shell 1 wb diagram.xls

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

Permanent Abandonment of Federal Wells
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. Plugging operations shall commence within **ninety (90)** days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug 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. Failure to do so will result in enforcement action.

The rig used for the plugging 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 plugging 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.

6. Dry Hole Marker: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). **The BLM is to be notified a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10th day, the BLM is to be contacted with justification to receive an extension for completing the cut off.**

The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement, unless otherwise noted in COA (requirements will be attached). The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging 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 well was plugged.**

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.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration will be required. See attached reclamation objectives.