

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

AUG - 5 2010

FORM APPROVED  
OMB No 1004-0137  
Expires March 31, 2007SUNDRY NOTICES AND REPORTS ON WELLS  
**Do not use this form for proposals to drill or to enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**Lease Serial No.  
NM-0488813

If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

## 1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other2. Name of Operator  
Fasken Oil and Ranch, Ltd3a. Address  
303 West Wall St., Suite 1800, Midland, TX 797013b. Phone No. (include area code)  
432-687-1777

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

8. Well Name and No.  
Cameron "31" Federal No. 19. API Well No.  
30-015-2090710. Field and Pool or Exploratory Area  
See Below4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1650' FNL & 1650' FEL, Sec 31, T20S, R25E11. Country or Parish, State  
Eddy, 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"/> Fracture Treat	<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. proposes to plug the Cameron "31" Federal No. 1 back from the Dagger Draw; Upper Penn, South (Assoc), Indian Basin; Strawn, North (G), and Seven Rivers Hills, Atoka, N pools to the Wildcat; Yeso pool.

Please see attached for procedure and current and proposed plug back wellbore diagrams.

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

PET Witness

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Kim Tyson

Title Regulatory Analyst

Signature

Kim Tyson

Date 06/29/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

*[Signature]*

Title

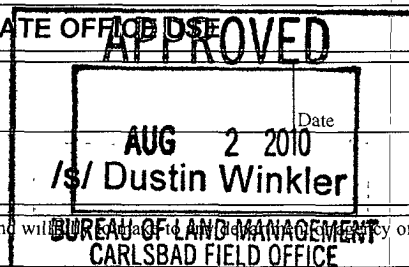
Office

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.

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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)



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

Objective: Recomplete to Yeso

API: 30-015-20907

KB: 3723'; GL: 3708'

Completed 11-5-73

TD: 9,880'

PBTD: 9360' (CIBP at 9395' w/35' cmt, 8-10-02); Orig 9,774'

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' by temp

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

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

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

Pkr: Top packer @ 8414.07': 2-3/8" Entry guide (0.43'), 2-3/8" x 4-1/2" Arrowset I-10k (6.20') w/TOSSD w/ 1.781" "F" pn (1.71')

Bottom packer at 9520': 4-1/2" Watson J-Lock at 9520' w/TOSSD w/1.781" "F" profile nipple, 1 joint 31.5' 2-3/8" 4.7#/ft N-80 EUE 8rd tbg, 1- 2-3/8" line check, 1- muleshoed cplg on bottom.

Top packer: 2-3/8" x 4-1/2" Otis Perma-Lach at 9400' w/ SN and

Tbg: 272 jts 2-3/8" EUE 8rd N-80 (8400.66')

1. Test mast anchors and have tank permits in hand before RUPU and notify NMOCD 24 hrs before starting.
2. RUPU and kill well with 35 bfw down tubing, NDWH and NU BOP. Receive 200- 4-1/2" pin end thread protectors.
3. Release Arrowset 1x10k packer at 7122' and POW with 2-3/8" N-80 tubing and packer. LD estimated 25 jts tubing.
1. RUWL and pack off. RIW with 3.87" gauge ring to 8450'. RIW with 4-1/2" 10K CIBP and set at 8450' and dump bail 35' Class "H" cement on CIBP.
2. Dig out wellhead exposing 8-5/8" x 4-1/2" annulus valves and make sure they are open. Open valves on surface and check for pressure on 8-5/8" x 4-1/2" annulus and fill with FW. **NOTE:** Gas on 8-5/8" x 4-1/2" annulus could contain H<sub>2</sub>S gas.
3. ND 7-1/16 3000# x 11" 3000 # well head and install 11" 3000 psi BOP with 4-1/2" pipe rams and have 4-1/2" x 2" swage on location to screw into casing. RIW and spear 4-1/2" casing, remove slips and free point casing.

4. RU wire line company and RIW with chemical cutter and cutoff casing with casing pulled in tension.
5. POW and RDWL and POW with casing installing thread protectors before laying down.
6. RIW with 2-3/8" perf sub, SN and 2-3/8" tubing to +/-7800', may need to rotate tubing into cutoff.
7. **Plug #1:** RU cement company and spot 10#/gal gel laden mud from 7800' FS to 3000' FS while spotting 40 sx Class "H" with 2%  $\text{CaCl}_2$  (s.w. 15.6 ppg, yield 1.18 ft<sup>3</sup>/sx). POW and WOC for 3 hrs and tag plug above 7661'. POW laying down 2-3/8" tubing to 6350' FS.
8. **Plug #2:** Spot 43 sx Class "C" with 2%  $\text{CaCl}_2$  (s.w. 14.8 ppg, yield 1.32 ft<sup>3</sup>/sx) from 6350' FS to 6187' FS. POW laying down 2-3/8" tubing to 3310'.
9. **Plug #3:** Spot 39 sx Class "C" with 2%  $\text{CaCl}_2$  (s.w. 14.8 ppg, yield 1.32 ft<sup>3</sup>/sx) from 3310' FS to 3187' FS and WOC 3 hrs and tag above 3187' FS. POW and LD remaining 2-3/8" N-80 tubing.
10. Receive and unload 3200' of 2-7/8" EUE 8rd j-55 tubing. Clean and tally tubing and RIW to 3022' and pickle tubing with 500 gals 15% HCL acid and reverse to tank. Spot 750 gals 15% HCL acid from 3022'- 2742' FS.
11. RUWL with lubricator and RIW with 4" slick guns and perforate 8-5/8" casing 1 JSPF, 60° phasing using select fire @ 2848'-58' (11h), 2900'-10' (11h), 2942'-52' (11h), 2974'-2984' (11h), and 3012'-22' (11h), total 55 holes. POW with guns and note that all shots fired. RDWL.
12. RIW with 8-5/8" HD packer, SN, and 2-7/8" EUE 8rd tubing to +/-2700'. Reverse 5 bfw. Set packer in 10 points compression.
13. Displace 750 gal spot acid with fresh water at max pressure 2360 psi (80% of 8-5/8" 24#/ft J-55 burst) flushing to bottom perf 3022'.
14. Swab back spot acid and evaluate.
15. RU pumping service and acidize perms 2848'-3022 (55 holes) with 3000 gal 15% NEFE acid. Pump 500 gals acid followed by 3000 gals acid dropping 110 - 1.3 s.g. ball sealers in evenly spaced. Attempt to achieve ball out with maximum pressure 1200 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.
16. Kill well if necessary with fresh water containing oxygen scavenger. Release 8-5/8" HD packer and RIW to below bottom perf at 3022'. POW with 2-7/8" tubing, SN and packer.
17. ND BOP. NU 5K frac valve.

18. RU stimulation service. Frac Lower Yeso perfs 2848-3022' via 8-5/8" casing with 300,000 gal + 150,000 lbs 20/40 sand, maximum pressure 2360 psi (80% of 8-5/8" 24#/ft K-55 burst) Flush spotting 1000 gal 10% HCL acid at 2718'- 2329' (290'). Obtain 5, 10, 15 min SICP.
19. RU WL and 3000 psi lubricator and run 8-5/8" ceramic flow through frac plug at 2780'.
20. Pressure test casing and frac plug to 2360 psi.
21. RIW with 4" slick guns and perforate 8-5/8" casing 1 JSPF, 600° phasing using select fire @ 2620'-30' (11h), 2652'-62' (11h), and 2708'-18' (11h), total 33 holes. POW with guns and note that all shots fired. RDWL.
22. Frac Upper Yeso perfs 2620'-2718' via 8-5/8" casing with 150,000 gal + 75,000 lbs 20/40 sand, maximum pressure 2360 psi (80% of 8-5/8" 24#/ft K-55 burst). Obtain 5, 10, 15 min SICP.
23. Flow back frac load until well is dead.
24. ND frac valve and NU BOP with 2-7/8" pipe rams and blind rams.
25. 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 frac plug at 2780'.
26. Clean out PBTD +/-3187', circulate well clean and POW 2-7/8" tubing and BHA.
27. 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 2570' (above top perf @ 2620').
28. Run rods and pump per ALS recommendation.
29. RDPU, clean location and release all rental equipment.
30. Return well to production.

6-23-10

# Cameron "31" Federal No. 1

Current as of 8-15-02

GL: 3708', KB: 3723'

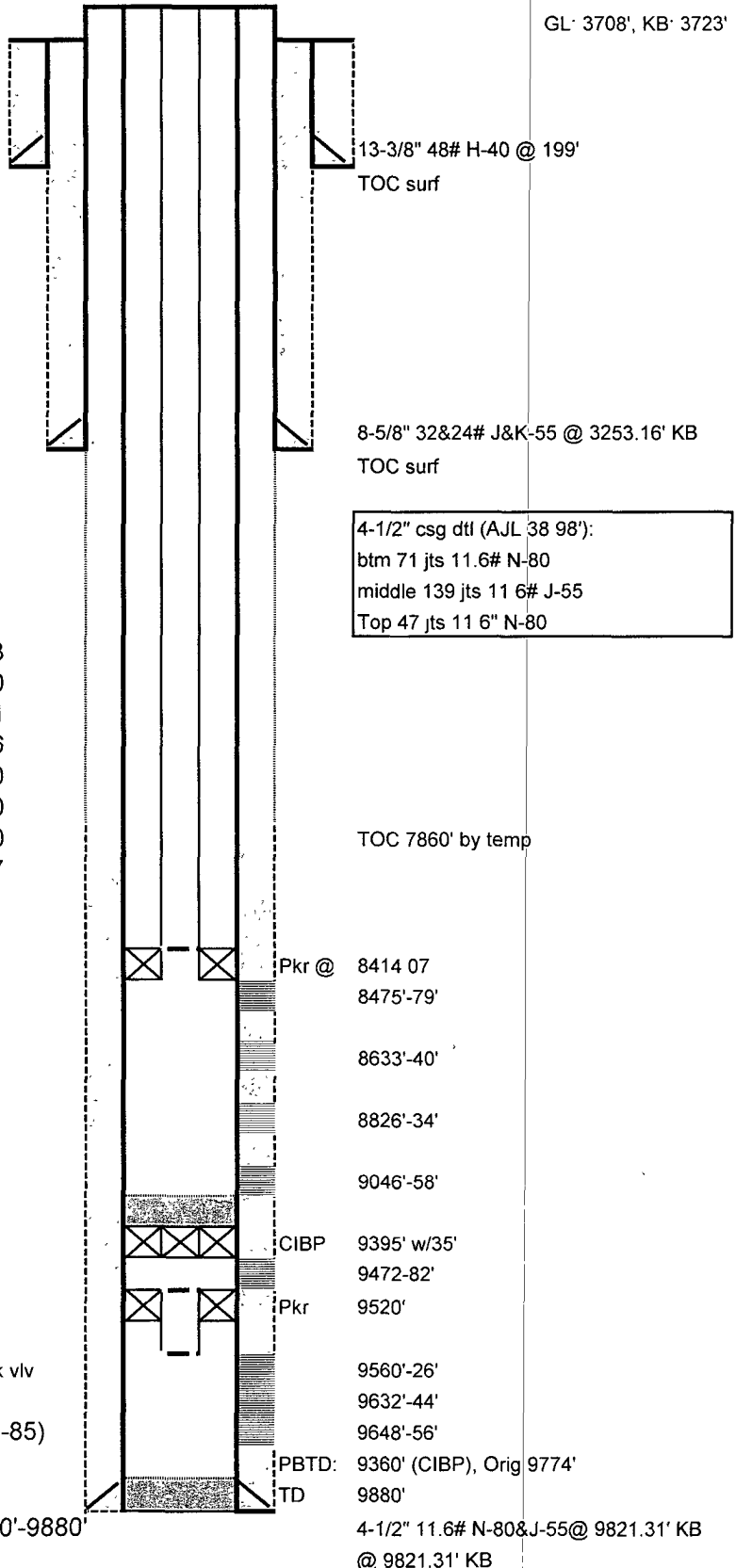
Operator: **Fasken Oil and Ranch, Ltd.**  
 Location: 1650' FSL and 1650' FEL  
 Sec 31, T20S, R25E  
 Eddy County, NM  
 Compl.: 10/1/1973 released rig  
 API #: 30-015-20907  
 TD: 9880'  
 PBDT: 9360' (CIBP), Orig 9774'  
 Casing: 13-3/8" 48# H-40 @ 198.91' KB  
 w/150sx Lite(12.8ppg)+100sx"C"w/2% 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:** 2-3/8" Re-Entry Guide 0.43  
 8/15/2002 4-1/2"x2-3/8" Arrowset I-10K 6.20  
 4-1/2"x2-3/8" TOSSD w/1 781" "F" pn 1.71  
 272 jts 2-3/8" N-80 tbq 8400.66  
 KB 15.00  
 Slack off -3.30  
 EOT 8420.70  
 Pkr Set at: 8414.07

**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" 0-198'; 12-1/4" 198'-3250', 7-7/8" 3250'-9880'

Shut-in Dec '03

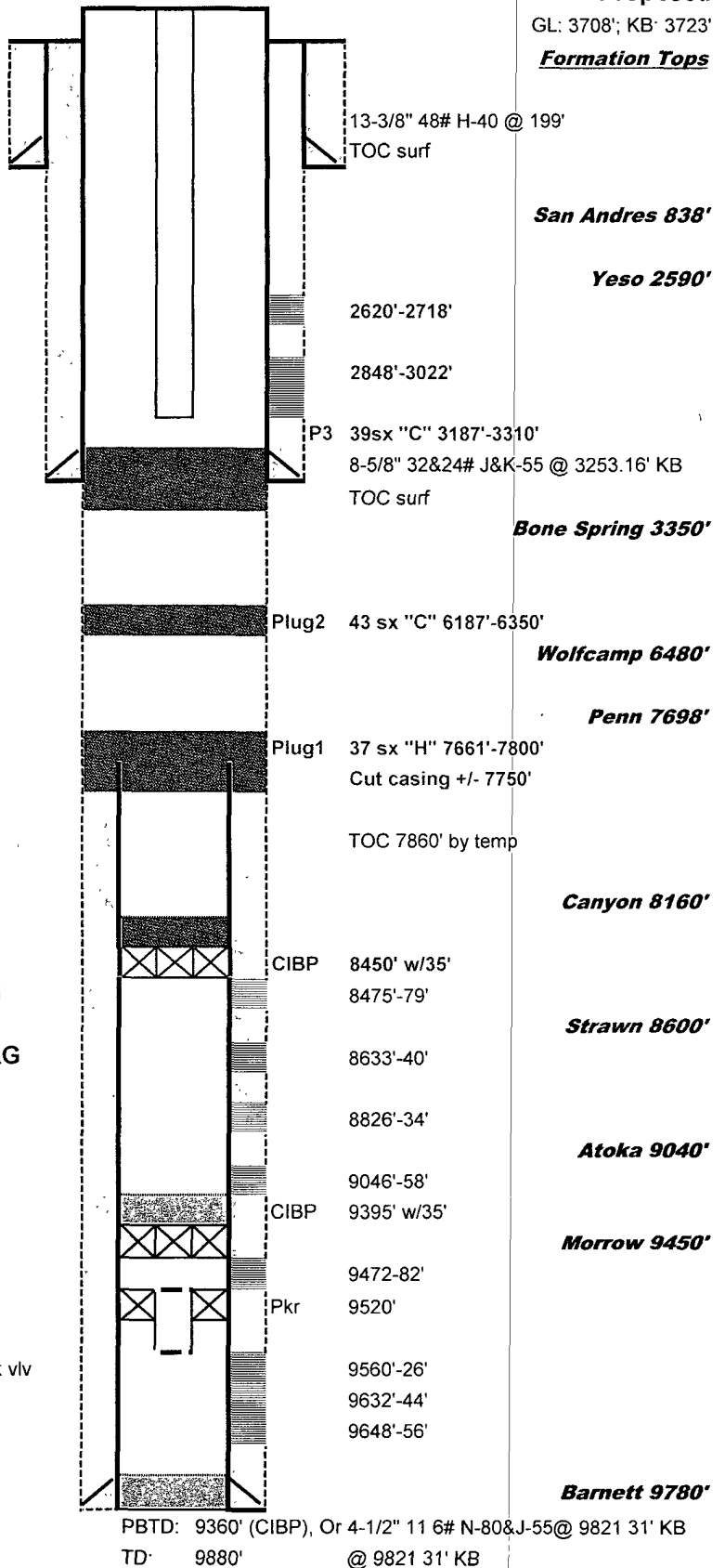


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 Location: 1650' FSL and 1650' FEL  
 Sec 31, T20S, R25E  
 Eddy County, NM  
 Compl.: 10/1/1973 released rig  
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 TD: 9880'  
 PBTD: 9360' (CIBP), Orig 9774'  
 Casing: 13-3/8" 48# H-40 @ 198.91' 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

**Proposed: Recomplete to Cemetery (Yeso)**  
**Tubing:** 2-3/8" EUE 8rd J-55 tubing 3100'  
**Perfs:**  
 U. Yeso 2620'-30' 11h, 1 JSPF  
 2652'-62' 11h, 1 JSPF  
 2708'-18' 11h, 1 JSPF Tot 33 h  
 L. Yeso 2848'-58' 11h, 1 JSPF  
 2900'-10' 11h, 1 JSPF  
 2942'-52' 11h, 1 JSPF  
 2974'-84' 11h, 1 JSPF  
 3012'-22' 11h, 1 JSPF Tot 55 h  
 Plug3 39 sx "C" 3187'-3310' Shoe, TAG  
 Plug2 43 sx "C" 6187'-6350' Wlfcmp  
 Plug1 37 sx "H" 7661'-7800' Cutoff , TAG  
 CIBP 8450' w/35'  
**Perfs:**  
 Penn: 8475'-79' (5h, 9-28-02)  
 8633'-40' (8h, 9-28-02)  
 8826'-34' (9h, 8-14-02)  
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**Hole sizes:** 17-1/2" 0-198'; 12-1/4" 198'-3250', 7-7/8" 3250'-9880'



Shut-in Dec '03

Fasken Oil & Ranch, Ltd.  
NM-0488813 – Cameron 31 Federal #1  
API: 30-015-20907  
Eddy County, New Mexico

RE: Plug back and Recomplete NOI – Conditions of Approval

There is to be no surface disturbance beyond the originally approved pad. A closed loop system is to be used. H2S monitoring and protection equipment is to be on site.

**Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations.** For wells in Eddy County, call 575-361-2822.

3M BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.

Plugback to go as follows:

1. Set CIBP @ 8425' – Otherwise OK (Perfs)
2. OK
3. OK
4. OK
5. OK
6. OK
7. Spot plug 50' below stub. WOC and tag 130' above cut – Otherwise OK (Stub)
8. Move: Spot plug from 6530'-6370'. WOC and tag at 6370' or shallower – Otherwise OK (Wolfcamp)
9. Move: Spot plug from 3400'-3200'. WOC and tag at 3200' or shallower – Otherwise OK (Bone Spring – Casing shoe)

Submit subsequent report with wellbore diagram and completion report once work is completed.

DHW 072010