

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**RECEIVED**  
DEC 02 2013  
NMOC D ARTESIA

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**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.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	2. Name of Operator YATES PETROLEUM CORPORATION	Contact: LAURA WATTS E-Mail: laura@yatespetroleum.com	5. Lease Serial No. NMNM90505
3a. Address 105 SOUTH FOURTH STREET ARTESIA, NM 88210	3b. Phone No. (include area code) Ph: 575-748-4272 Fx: 575-748-4585	7. If Unit or CA/Agreement, Name and/or No. NMNM94495	6. If Indian, Allottee or Tribe Name
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 10 T22S R24E NWNW 990FNL 990FWL	8. Well Name and No. ATOM ANT FEDERAL COM 1	9. API Well No. 30-015-27721	10. Field and Pool, or Exploratory WILDCAT BONE SPRING WC-015-6-03 3222409A, B, C EDDY COUNTY, NM <979437

12. CHECK 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 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 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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Yates Petroleum Corporation plans to Plugback and Recomplete this well as follows:

- MIRU WSU and all safety equipment necessary. NU 3K manual BOP.
- POOH with the existing production equipment.
- Run a gauge ring and set a CIBP at 7,928 ft and spot a 25 sx class H cement on plug on top of it. This will place a plug over the open Canyon perforations.
- Pressure test the casing to 2500 psi. Perforate the Bone Spring: 7,132 ft to 7,306 ft (97 holes)
- Pump 5000 gallons of 7.5 percent HCL with a nonionic surfactant package and friction reducer. Drop 150 ball sealers spaced out evenly throughout the acid. Flush to the bottom perforation. Surge the balls off the perms.
- Fracture the Bone Spring formation via the 3.5 inch tubing (treating schedule attached).

Accepted for record  
NMOC D 12/3/2013  
SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

SUBJECT TO LIKE  
APPROVAL BY STATE

Provide C102

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

Electronic Submission #222723 verified by the BLM Well Information System  
For YATES PETROLEUM CORPORATION, sent to the Carlsbad  
Committed to AFMSS for processing by JOHNNY DICKERSON on 10/23/2013.

Name (Printed/Typed) LAURA WATTS	Title REG REPORTING TECHNICIAN
Signature (Electronic Submission)	Date 10/11/2013

**APPROVED**  
NOV 26 2013  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE  
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 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.

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

CBF 11/22/13

**Additional data for EC transaction #222723 that would not fit on the form**

**32. Additional remarks, continued**

7. Shut the well in for 8 hours to allow the gel to break and the resin to cure. TIH with tubing and seating nipple to circulate fill out of casing with 2 percent KCL water.
8. POOH with frac string. RIH to wash sand down to PBTD. POOH.
9. Swab the well until it cleans up then TIH with pumping equipment and turn the well over to the production department.

Treating Schedule attached  
Schematics attached

Treating Schedule

Stage Number	gal	Prop Conc lb/gal	lbs Proppant		Proppant Type
			Stage	Cumulative	
1	34000.	0.00	0.	0.	----
2	8000.	1.00	8000.	8000.	20/40 Ottawa Sand
3	12000.	2.00	24000.	32000.	20/40 Ottawa Sand
4	15000.	3.00	45000.	77000.	20/40 Ottawa Sand
5	12000.	4.00	48000.	125000.	20/40 Ottawa Sand
6	8000.	5.00	40000.	165000.	20/40 Super LC RCS
7	7500.	6.00	45000.	210000.	20/40 Super LC RCS
8	+/-3000.	0.00	0.	0.	----

**Estimated Surface Treating Pressure @ 40 BPM = 7,157 psig.**

**Maximum Surface Treating Pressure = 10,000 psig.**

WELL NAME: Atom ANT Fed #1 FIELD: Indian Basin U Penn Assoc.

LOCATION: Unit D 990' N & 990' W Sec 10-22S-24E Eddy County

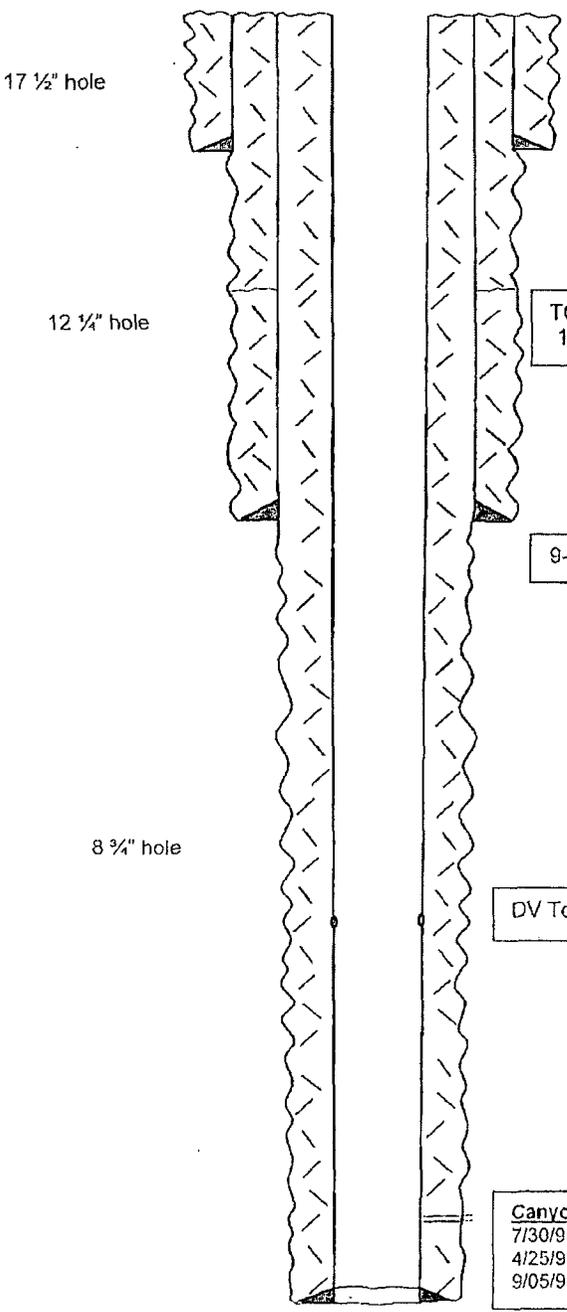
GL: 4001' ZERO: KB: 4019'

SPUD DATE: 1-18-96 COMPLETION DATE: 2-23-96

COMMENTS: API # 30-015-27721

**CASING PROGRAM**

13-3/8" 54.5# ST&C	353'
9-5/8" 36# J55 ST&C	2825'
7" 26# N-80 Sd Blasted	873.35'
26# N-80 Varnished	883.56'
26# H-55 Varnished	1968.54'
23# J-55 Varnished	3876.97'
26# J-55 Varnished	112.41'
	<b>8710'</b>



13 3/8" @ 353' w/400 sx (circ)

TOC @ 1080' by TS  
1" ed w\ 285 sx

9-5/8" @ 2825' w/1300 sx

DV Tool @ 6015'

Canyon Perf's: 7978-8028 (19)  
7/30/96 Acidized: 8000 g 20% 7/30/96  
4/25/99 Acidized: 25000 g 20%  
9/05/96 Acidized: 34,500 g 20%

7" @ 8710' w/1275 sx

**Before**

**TOPS**

Queen	343'
San Andres	856'
Delaware	1221'
Bone Spring	1630'
Wolfcamp	7402'
Canyon	7490'

Not to Scale  
10/11/13  
JMH

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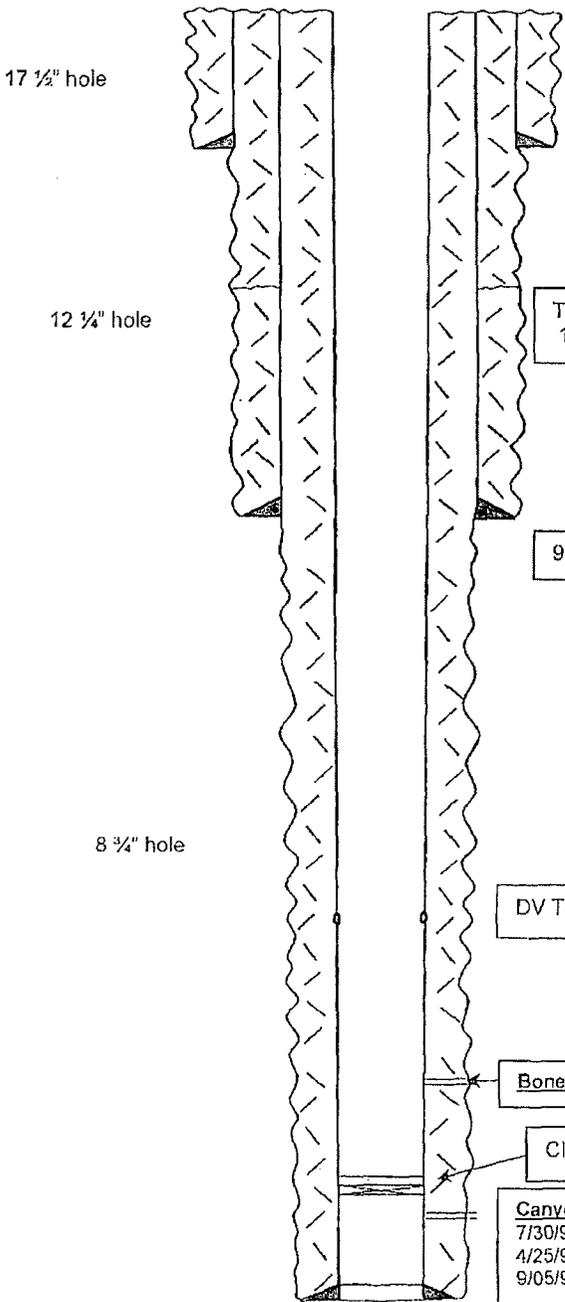
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Bone Springs Perf's: 7132-7306 (97)

CIBP @ 7,928' w\ 25 sx cmt

Canyon Perf's: 7978-8028 (19)  
7/30/96 Acidized: 8000 g 20% 7/30/96  
4/25/99 Acidized: 25000 g 20%  
9/05/96 Acidized: 34,500 g 20%

7" @ 8710' w/1275 sx

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TOPS

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Not to Scale  
10/11/13  
JMH

**Atom Ant Federal Com 1  
30-015-27721  
Yates Petroleum Corporation  
November 26, 2013  
Conditions of Approval**

**Notify BLM at 575-361-2822 a minimum of 24 hours prior to commencing work.**

**Work to be completed by February 26, 2014.**

- 1. Operator to set CIBP at 7,928' and place 25 sx Class H Cement on top. Tag required.**
- 2. Operator to set a balanced Class C Cement plug from 7,500'-7,326' to seal the top of the Wolfcamp formation.**
- 3. 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.**
- 4. If CIT passes, operator is approved to recomplete to the Bone Spring as written.**
5. Before casing or a liner is added or replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.
6. Surface disturbance beyond the originally approved pad must have prior approval.
7. Closed loop system required.
8. 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.
9. Operator to have H2S monitoring equipment on location.

10. A minimum of a 2000 (2M) 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 (2M 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.
11. **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.**
12. **Submit sundry to remove "COM" from the name.**
13. **See attached for general requirements.**

**JAM 112613**

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

**General Requirements for Plug Backs**

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 this approval.

**If you are unable to plug back the well by the 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> 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.

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.**

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.