

OCD-ARTESIA

Form 3160-5
(February 2005)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

AUG 15 2007

FORM APPROVED
OMB No 1004-0137
Expires March 31 2007**SUNDRIY 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
NM-8420A

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Rex Energy (Joe Clement 432-685-0075)

3a. Address

500 W Texas Ave Suite 940 Midland, TX 79701

3b. Phone No (include area code)

432-685-0075

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

8. Well Name and No
Patterson "20" #1

9. API Well No

30-015-35451

10. Field and Pool or Exploratory Area
Rocky Arroyo - Southwest4. Location of Well (Footage, Sec., T., R., M. or Survey Description)
1780' FNL & 1830' FEL Section 20 T22s-R22E Eddy County NM11. Country or Parish, State
Eddy CO. New Mexico

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input checked="" 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 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.)

Well dry and abandoned. Plugging report attached

ACCEPTED FOR RECORD

AUG 16 2007

Gerry Guye, Deputy Field Inspector
NMOCD-District II ARTESIA

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

Name (Printed/Typed)

Joe N. Clement

Title Vice President & Permian Basin District Manager

Signature

Date 07/12/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Office

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.

ACCEPTED FOR RECORD

AUG 13 2007

Date

WESLEY W. INGRAM
PETROLEUM ENGINEER

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)

April 15, 2007

0600	1200	6.0	Circulate, Wait on orders. Move in & rig up Dowell Schlumberger cement pump
1200	1330	1.5	Contact Clark Bennett w/ BLM--Carlsbad. On location to witness P&A. Tag bottom w/ DP @ 6100'
1330	1500	1.5	Hold pre job safety meeting. Test lines to 5000 psi. Set plug #1 6100--5950' w/ 50 sx Class "C" + 3% CaCl ₂ , Yld--1.32, Wt--14.8# Displace w/ 81 bbls mud for balanced plug.
1500	1730	2.5	Pump DP capacity. Pull 5 stands DP. RU LD machine & LD 53 jts DP to 4420'
1730	1830	1.0	Pump Plug #2: 4420'--4320' w/ 35 sx Class "C" + 3% CaCl ₂ Yld--1.32, Wt--14.8 Plug dn @ 1830 hrs.
1830	2130	3.0	Pull 5 stands, pump DP capacity. WOC 3 hrs. TIH w/ DP to 4420' & did not tag plug.
2130	2230	1.0	Pump Plug #2: 2nd Time f/ 4420'--4320' w/ 35 sx Class "C" + 3% CaCl ₂ Plug Dn @ 2230 hrs, 4/14/07.
2230	0030	2.0	Pull 5 stands, pump DP capacity. WOC 2 hrs. TIH w/ DP to 4420' & did not tag plug.
0030	0130	1.0	Pump Plug #2: 3rd Time f/ 4420'--4320' w/ 50 sx Class "C" + 3% CaCl ₂ . Plug dn @ 0130 hrs 4/15/07
0130	0400	2.5	Pull 5 stands, pump DP capacity. WOC 2 hrs. NO mud losses. TIH w/ DP to 4420' & did not tag plug.
0400	0600	2.0	TIH w/ DP & start picking DP back up off racks to tag cement. GIH w/ DP @ 4955' at report time and still had not tagged any cement
			Prior to setting Plug #2, hole has not taken any fluid while circulating and waiting on orders.
			Plan to go in hole w/ DP and tag 1st plug then pump 150 sx across WC porosity interval tested w/ DST #1

April 16, 2007

0600	0730	1.5	TIH w/ DP. Tag cement at 5900' from surface.
0730	0830	1.0	Set cement plug @ 5900'. 150 sx Class "C" + 4% CaCl ₂
0830	1200	3.5	TIH w/ DP. Tag cement at 5530'. LD 37 jts DP to 4420'.
1200	1300	1.0	Set cement plug @ 4420'. 35 sx Class "C" + 4% CaCl ₂ . Pull 5 stands DP
1300	1500	2.0	WOC. TIH w/ DP. Did not tag cmt. Pull back up to 4185'.
1500	1600	1.0	Set cement plug @ 4185'. 100 sx Class "C" + 4.5% CaCl ₂
1600	1730	1.5	WOC. TIH w/ DP. Tag @ 4394'. Set 20K on plug.
1730	1830	1.0	Set cement plug @ 4374'. 50 sx Class "C" + 4.5% CaCl ₂
1830	2100	2.5	WOC. TIH w/ DP. Tag @ 4238'. POH w/ DP to 3800' from surface.
2100	2200	1.0	Set cement plug @ 3800'. 35 sx Class "C" + 4% CaCl ₂ .
2200	2300	1.0	WOC. LD DP to 3000'.
2300	2330	0.5	Set cement plug @ 3000'. 35 sx Class "C" + 4% CaCl ₂
2330	0030	1.0	WOC. LD DP to 1965'.
0030	0100	0.5	Set cement plug @ 1965'. 70 sx Class "C" + 4% CaCl ₂
0100	0400	3.0	WOC. TIH w/ DP to 2100'. Had tag on cement.
0400	0500	1.0	Set cement plug at 1965'. 100 sx Class "C" + 4.5% CaCl ₂
0500	0600	1.0	WOC

April 17, 2007

0600	0700	1 0	WOC TIH w/ DP. Tag cement plug @ 1776'
0700	0800	1 0	LD DP to 1580'
0800	0830	0 5	Set cement plug @ 1580'--1480'. 35 sx Class "C" + 4.5% CaCl2
0830	0900	0 5	Lay down DP to 875'
0900	0930	0 5	Set cement plug @ 875'--775' 35 Sx Class "C" + 4.5% CaCl2
0930	1230	3 0	Lay down DP to 0 Should have had 28 jts, but had 23 jts DP in hole WOC TIH w/DP Tag @ 661'
1230	1400	1 5	TOH w/ DP PU 8 75" bit, DC, TIH w/ DP
1400	1500	1 0	Drill out cement from 661' to 750' and fall free. Continue in hole to 925'
1500	1600	1 0	TOH w/ DP Break off bit & LD DC. TIH w/ open ended DP, tallying in hole to 913'.
1600	1630	0 5	Set Cement Plug @ 913'--800' 50 sx Class "C" + 4% CaCl2
1630	1730	1.0	Lay Down DP to surface. GIH w/ 94.5' of DP.
1730	1800	0.5	Set Cement plug @ 94 5' to surface. LD 3 jts DP
1800	2100	3 0	ND BOP's
2100	0600	9 0	Jet & clean steel pits and clean out closed loop system Rig released at 0600 hrs, 4/17/2007
			Will cut off head and install dry hole marker & fill cellar when rig moves off of location