

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTOil Cons.  
N.M. DIV-Dist. 2FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000SUNDRY NOTICES AND REPORTS ON WELLS  
Atoka, NM 88210Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.Lease Serial No.  
NM 103571

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
Highlands "25" Federal #29. API Well No.  
30-015-3231110. Field and Pool, or Exploratory Area  
Huapache Basin (Wildcat)11. County or Parish, State  
Eddy County, NM

## SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Saga Petroleum LLC

3a. Address

415 W. Wall, Suite 1900, Midland, TX

3b. Phone No. (include area code)

(432)684-4293

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

860' FNL &amp; 1780' FWL

Sec 25, T19S, R21E

## 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 recompleate horizontally, give subsurface locations 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 recompleation 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.)

GL 4181'

KB 4199'

Spud: 7/05/02, PBDT 7726' TD 7950' Perfs 7578-7584' Tubing: 229 jts of 2-7/8" J55

Casing: 9-5/8" 36# K55 @ 1457' (12-1/4" hole), cmted w/ 900 sx, TOC @ surface by circ.

5-1/2" 17# N80 @ 7950' (7-7/8" hole), cmted w/ 1000 sx, TOC @ 4900' by CBL

The Highlands 25 #2 is currently completed in an <sup>MORROW</sup>Atoka zone from 7578-84'. After being SI for approximately 3 months, the well built up to 1793# BHP. While this zone has good pressure, it appears to have very little perm, due to the length of time it took to pressure. This is confirmed by the mud log, which shows a lithology consisting largely of shale and chert. Saga believes the large amount of shale chert caused the gas effect on the log, and that further expenditure on this zone would fail. This will be confirmed prior to abandonment of this zone by swabbing the well down and flow testing. If the <sup>MORROW</sup>Atoka is plugged, the Strawn will be perforated (7204-7234' - gross), acidized, and tested. If commercial volumes are indicated, the Strawn will be frac'd. Should the Strawn produce non-commercial volumes, it will be abandoned, and a completion attempted in the Canyon zone (6997-7022' - gross). The Canyon will be acidized and tested, with fracturing to follow if it appears productive. Continued on back of form.

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

Name (Printed/Typed)

Bonnie Husband

Title

Production Analyst

Signature



Date

05/06/2003

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

(ORIG. SGD.) ALEXIS C. SWOBODA

Title

PETROLEUM ENGINEER

Date

MAY 13 2003

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, makes 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 reverse)



Recommended procedure to recomplete to the Strawn.

RUPU. NU BOP. Blow well down, kill well w/ 2% KCl. Check casing for pressure. RU Computalog w/ lubricator. Tie in to Schlumberger CBL dated 11/6/02, pull GR-CCL. RIH w/ CIBP, set @ +7528', cap w/ 35'. POH. RIH w/ 5 1/2" pkr, test tbg in hole to 6500#. Set pkr @ 7100'. RIH, perforate 7204-07' and 7232-34' w/ 2 jspf (20 holes total). Perf using Prospector charges and a 2" RTG gun. RD WL. Swab and test zone. Acidize w/ 1000 gal. 7 1/2 % NEFE and 40-1.3 SG balls, max rate 6 BPM @ 5000#. Swab back acid load. Kill lower zone if necessary, unset pkr, POH. RU Computalog w/ lubricator. Tie in to Schlumberger CBL dated 11/6/02, pull GR-CCL. RIH w/ CIBP, set @ +7150', cap w/ 35'. POH. RIH w/ 5 1/2" pkr, test tubing in hole to 6500#. Set pkr @ 6900'. RIH, perf 6997-7008' and 7014-22' w/ 2 jspf (38 holes total). Swab and test zone. Acidize w/ 2000 gal. 7 1/2 % NEFE and 40-1.3 SG balls, max rate 6 BPM @ 5000#. Swab back acid load

BUREAU OF LAND MGMT  
HOSWELL OFFICE

2003 MAY 12 AM 8:23

RECEIVED