

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS** OCD Hobbs  
*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.  
NMLC029509A

6. If Indian, Allottee or Tribe Name

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

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

**HOBBS OCD**

8. Well Name and No.  
MALJAMAR AGI 2

9. API Well No.  
30-025-42628

10. Field and Pool, or Exploratory  
AGI

11. County or Parish, and State  
LEA COUNTY, NM

1. Type of Well  
 Oil Well  Gas Well  Other: UNKNOWN OTH

2. Name of Operator  
FRONTIER FIELD SERVICES LLC  
Contact: MICHAEL W SELKE  
E-Mail: mselke@geolex.com

3a. Address  
MALJAMAR, NM 88260

3b. Phone No. (include area code)  
Ph: 505-842-8000

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 21 T17S R32E Mer NMP SWSE 400FSL 2100FEL  
32.813967 N Lat, 103.769748 W Lon

FEB 16 2016

RECEIVED

12. CHECK 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 type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Drilling Operations
	<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.)

The first (upper) intermediate casing of the Maljamar #2 well began to be drilled at 1:00 CST on Sunday, January 31, 2016. The 17.5-inch borehole was drilled through 900 feet of 20-inch surface casing and completed to a depth of 2,567 feet (MD) at 23:30 CST on February 1, 2016. A stable casing seat was selected based on a correlation with Maljamar AGI #1, located approximately 400 feet to the southeast.

Following the completion of drilling, a fluid caliper log (Attachment A) was performed to determine the required cement volume needed to install the 13.375-inch first intermediate casing. The results indicated an average borehole diameter of 18.875 inches.

The first intermediate casing was constructed of 61 joints of 13.375-inch, 61 lb/ft, J-55 grade, BTC casing. A schematic of the Maljamar AGI #2 well design and installation casing tally are

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #331114 verified by the BLM Well Information System For FRONTIER FIELD SERVICES LLC, sent to the Hobbs Committed to AFMSS for processing by KENNETH RENNICK on 02/09/2016 ()**

Name (Printed/Typed) MICHAEL W SELKE Title CONSULTANT TO FRONTIER

Signature (Electronic Submission) Date 02/09/2016

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

**ACCEPTED FOR RECORD**  
**PETROLEUM ENGINEER**  
FEB - 9 2016  
**Kenneth Rennick**  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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 \*\***

*Ke*  
*AM*

## Additional data for EC transaction #331114 that would not fit on the form

### 32. Additional remarks, continued

provided in Attachment B.

Halliburton provided the services for the Maljamar AGI #2 first intermediate casing cement job. The compressive strength test results were onsite before the start of cement job and Geolex provided the report to the BLM for their approval prior to cementing.

The surface casing for Maljamar AGI #2 was cemented early on Wednesday, February 3, 2016 in a single stage that included a lead of 1,400 sacks of ECONOCEM (trade mark) SYSTEM, with a yield of 1.814 cubic feet per sack and a tail of 430 sacks of HALCEM (trade mark) SYSTEM with a yield of 1.327 cubic feet per sack. Seventy-four bbls (225 sacks) of cement was circulated to the surface, as witnessed onsite by Patricia Hutchings (BLM). Cement did not fall back and wait on cement (WOC) time was 24 hours. Halliburton cement laboratory reports, summary job report, and a circulation photograph are provided in Attachment C.

On Wednesday and Thursday February 3 and 4, 2016 the 13.375-inch BOP was installed and tested. A casing integrity test (CIT) was conducted on Thursday afternoon. The first intermediate casing was successfully tested to 1,500 psi, which is 70% of the casing burst pressure, and held for 30 minutes. Cement (40 inches), the plug, and float collar were drilled out to 2,560 feet and a formation integrity test (FIT) or mud equivalency test was successfully conducted at 250 psi for 10 minutes and 1,500 psi for 30 minutes. Results and charts for the BOP test, CIT, and FIT are provided in Attachment D.

Following the FIT the drill string was removed and a cement bond log (CBL) of the first intermediate casing was performed by Halliburton. The logging results indicated that there is adequate hydraulic isolation in the first intermediate casing annulus. The CBL was provided to Kenneth Rennick (BLM) who ~~approved the cement job~~ and authorized the drilling of the second (lower) intermediate casing borehole, which began at 16:00 CST on Friday, February 5, 2016. The CBL for the Maljamar AGI #2 first intermediate casing is provided in Attachment E.

concur that CBL indicates  
adequate cement behind the 13 3/8 inch casing.

KGB