

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 87003

Form Approved
OMB No. 1004-0135
Expires November 30, 2000

C1517

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

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KUKUI Operating Company

3a. Address

203 W. Wall Street, Suite 810
Midland, TX 79701

3b. Phone No. (include area code)

915-687-6200

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

1980' FNL & 2000' FWL, Sec 14 - T19S - R21E

5. Lease Serial No.

NM-103570

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Highlands "14" Federal #1Y

9. API Well No.

30-015-32341

10. Field and Pool, or Exploratory Area

Huapache Basin (Wildcat)

11. County or Parish, State

Eddy, NM

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/BLA. 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.)

See attached "Recompletion Recommendation" for additional well testing of Strawn and Cisco intervals.

Note: Sundry Notice for "Plug and Abandon" dated 10/10/02 also attached for approval if operator elects to P&A wellbore.

APPROVED

OCT 21 2002

LES BABYAK
PETROLEUM ENGINEER

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

Larry K. Strider

Title Western District Manager

Signature

LK Strider

Date 10/10/02

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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

Date

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.

RECOMPLETION RECOMMENDATION

WELL:

Highlands 14 Federal #1Y

DATE:

10/9/2002

LOCATION:

1,980' FNL & 2,000' FWL
Sec. 14 - T19S - R21E

ELEVATION GR/KB:

4,244' / 4,261'

COUNTY, STATE:

Eddy County, New Mexico

TD:

7,950' RKB

PREPARED BY:

Larry K. Strider

PBTD:

7,844'

OBJECTIVE:

Recomplete & Test Strawn & Cisco

BHP:

estimated 3,100 psi

CASING RECORD:	SIZE	WEIGHT	GRADE	DEPTH	CEMENT	TOC
	13 3/8"	48.0 lbs./ft.	H-40	396'	435 sx.	Surface
	9-5/8"	36.0 lbs./ft.	J-55	1,395'	1,209 sx.	Surface
	5-1/2"	17.0 lbs./ft.	N-80	7,950'	1,000 sx..	4,900'

PERFORATIONS:						
	Existing Perfs:	Atoka	7,328' - 7,338'	Density/Neutron	4 spf	
	Proposed Perfs:	Strawn	6,738' - 6,744'	Density/Neutron	4 spf	
		Cisco	6,282' - 6,308'	Density/Neutron	2 spf	

PROPOSED RECOMPLETION:

MIRU workover rig. Load tbg. with 2% KCL water. ND wellhead. NU BOPE. Unseat packer & POH with tbg. & pkr. assembly.

MIRU wireline unit. Set CIBP @ 7,290' to plug back Atoka perfs. Dump bail 35' of cement on plug.

GIH with 3 3/8" casing jet guns & perforate Strawn 6,738' - 6,744' w/ 4 spf (.37" dia.). RDMO wireline unit.

GIH with pkr. & tbg. and set packer @ ~ 6,700'. ND BOPE. NU wellhead. Swab test well. Acidize Strawn with 600 gals. 15% HCL diverted with balls. Swab well until all load fluid is recovered. Evaluate production for connection to sales facilities or prepare to test Cisco formation as instructed.

Plug back Strawn perfs and repeat process to test Cisco formation (6,282' - 6,308').

If well tests prove uneconomical to construct gathering line and facilities, plug & abandon well as per attached BLM Sundry 3160 - 5 plugging procedures.

WELLHEAD/TREE: 11" 3,000# x 7-1/16" 5,000# tubinghead. 2 9/16" 5M tree assembly.

- 1.) MIRU workover rig. Load 2 7/8" tbg. with 40 bbls. 2% KCL water. ND wellhead. NU 7 1/16" 5M BOPE. Unseat 5 1/2" Baker Lok-Set and POH with tbg. Lay down 18 jts. & stand remaining 204 jts.
- 2.) MIRU wireline unit. GIH w/ GR/CCL tools and run correlation log from 7,400' - 6,000'. GIH w/ 5 1/2" CIBP and setting tool and set plug @ 7,290'. POH w/ setting tool. Dump bail 35' (35 gals.) of Class C cement on CIBP.

RU lubricator. GIH w/ 3 3/8" casing jet guns and perforate Strawn.

6,738' - 6,744' 4 spf .37" dia. holes (Dens./Neutron depths)

RDMO wireline unit.

- 3.) GIH w/ 5 1/2" Baker Lok-Set and ~ 204 jts. 2 7/8" tbg. (tally pipe prior to GIH). Set pkr. @ 6,700' and test to 2,000 psi. ND BOPE & NU wellhead. Rig up swab and lay flowline to reserve pit. Swab tubing as instructed.

MIRU acid unit. Rig up to perform acid job down 2 7/8" tbg. Test surface lines to 6,000 psi. Pump 600 gals. 15% HCL with 30 ea. 7/8" (1.3 sg) ball sealers spaced evenly throughout acid. Displace acid to bottom perforation with 2% KCL water at maximum rate not to exceed 5,000 psi WHP.

Surge balls and allow to fall into rathole. Flow / Swab well until all load fluid is recovered. Evaluate well for production, additional stimulation, or plugging back to test Cisco interval as instructed.
- 4.) If decision is made to abandon Strawn interval and test Cisco; Load tubing with 38 bbls. 2% KCL water. Release pkr. and POH with tbg. (Lay down 14 jts. & stand remaining).
- 5.) MIRU wireline unit. GIH w/ GR/CCL tools and run correlation log from 6,400' - 6,000'. GIH w/ 5 1/2" CIBP and setting tool and set plug @ 6,700'. POH w/ setting tool. Dump bail 35' (35 gals.) of Class C cement on CIBP.

RU lubricator. GIH w/ 3 3/8" casing jet guns and perforate Cisco.

6,282' - 6,308' 2 spf .37" dia. holes (Dens./Neutron depths)

RDMO wireline unit.

- 6.) GIH w/ 5 1/2" Baker Lok-Set and ~ 190 jts. 2 7/8" tbg. (tally pipe prior to GIH). Set pkr. @ 6,240' and test to 2,000 psi. ND BOPE & NU wellhead. Rig up swab and lay flowline to reserve pit. Swab tubing as instructed.

MIRU acid unit. Rig up to perform acid job down 2 7/8" tbg. Test surface lines to 6,000 psi. Pump 1,500 gals. 15% HCL with 70 ea. 7/8" (1.3 sg) ball sealers spaced evenly throughout acid. Displace acid to bottom perforation with 2% KCL water at maximum rate not to exceed 5,000 psi WHP.

Surge balls and allow to fall into rathole. Flow / Swab well until all load fluid is recovered. Evaluate well for production, additional stimulation, or plugging well for abandonment.
- 7.) If decision is made to plug & abandon wellbore; proceed to plugging procedures on attached BLM Sundry Notice 3160 - 5 form. Notify BLM - Carlsbad of intent to plug and schedule @ 505 - 887 - 6544 and obtain approval prior to proceeding.