

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NMOCOD

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

C19F

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

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☒ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☐ Other

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.)

10/21/02 - 10/26/02

Recomplete wellbore to test Strawn & Cisco intervals per attached summary.

Both intervals tested non-commercial.

ACCEPTED FOR RECORD

NOV 14 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

Larry K. Strider

Date 11/04/02

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 SUMMARY

Highlands "14" Fed. #1Y 1980' FNL & 2000' FWL Unit F, Sec 14-T19S-R21E Eddy Co., NM Lease Serial No. : NM-103570 API Well No.: 30-015-32341 Field: Huapache Basin	AFE #	10128	13-3/8"	396'
	AFE DH \$	629,900	9-5/8"	1,395'
	Well #	3010900004	5-1/2"	7,950'
	Depth	7,950'		
	Rig	Nabors #347	Perfs	7328 - 7338'
	Spud	06/09/02	Perfs	6738 - 6744'
	P&A	10/31/02	Perfs	6282 - 6308'

Recompletion - Report Date 10/22/02 - Actual Day 1

Wait on pulling unit. Unable to road pulling unit due to thick dense fog.
DOT regulations require 500' visibility for safety.
Move in, spot and rig up pulling unit. Load tubing with 40 bbls 2% KCL.
Nipple down wellhead. Nipple up 7 1/16" Bop.
Pick up 10' sub and release 5 1/2" Baker Lok-Set packer. Equalize tubing.
Pull out of hole and lay down 18 joints 2 7/8" tubing.
Continue out of hole with tubing and packer.
Pulling unit broke down. Draw works chain broke. Notify Key yard.
Mechanic will locate materials needed and repair ASAP
Total 83 stands in derrick, 19 stands in hole.
Secure wellhead. Close pipe rams and TIW in tubing.
SDFN
DC: \$6,600 CTD: \$6,600

Recompletion - Report Date 10/23/02 - Actual Day 2

Mechanic on location to finish repairing pulling unit. Check well head pressure, slight blow.
Continue out of hole with remaining 19 stands tubing and packer.
Lay down packer. Visual inspection showed rubbers need replacing.
Will redress packer on location.
Move in, spot and rig up Computalog wireline equipment.
Pick up GR/CCL/CIBP and run in hole. Correlated back to open hole log.
Set CIBP at 7290'.
Pick up and fill dump bailer with cement.
Trip in hole with dump bailer. Spotted 35' of cement on top of CIBP.
Pull out of hole, lay down dump bailer, pick up lubricator and perforating gun.
Run in hole w/3 3/8" cased gun, perforate 6738-44' 4 JSPF .37 diameter hole.
Rig down and release wireline equipment.
Pick up 5 1/2" x 2 7/8" Baker Model FB Lok-Set packer, 2 7/8" seating nipple
and trip in hole with 203 joints 2 7/8" tubing. Tally tubing in hole.
Pick up 10' 2 7/8" sub and set packer at 6686' with 15 points compression.
Nipple down Bop and nipple up wellhead. Load backside with 2% KCL and test
to 2000 PSI for 15 minutes. Tested good.
Rig up swab and lubricator. Made total 8 swab runs, last run pulled from seating nipple.
Recovered estimated 40 bbls fluid. Last swab run had good show of gas.
Secure wellhead.
SDFN
DC: \$9,800 CTD: \$16,400



Recompletion - Report Date 10/24/02 - Actual Day 3

Check wellhead pressure. Slight blow on tubing, zero pressure on casing.

Rig up swab and tag fluid level at 6400'. 300' above seating nipple.

Move in, spot and rig up Schlumberger acid equipment.

Safety meeting and test lines to 6000 PSI.

Acidize Strawn perforations 6738-6744' with 600 gals 15% HCL using 30 ea 7/8" 1.3 SG ball sealers.

Avg rate 3.0 BPM Max rate 4.6 BPM

Avg pressure 2100 PSI Max pressure 2716 PSI. Formation broke at 2716 #

ISIP 1675 PSI, 5 min shut in 1511 PSI, 10 min shut in 1465 PSI &

15 min shut in 1442 PSI.

Rig up swab and lubricator. Made total 14 runs recovering approx. 25-30 bbls water.

Run # 1 Fluid level 100' Pulled from 1400' 100% KCL water.

Run # 2 Fluid level 800' Pulled from 1700' 100% KCL water.

Run # 3 Fluid level 1700' Pulled from 2800' 100 KCL water.

Run # 4 Fluid level 2400' Pulled from 3600' 100 KCL water

Run # 5 Fluid level 3300' Pulled from 4500' Trace of acid gas.

Run # 6 Fluid level 3700' Pulled from 5200' Trace of acid.

Run # 7 Fluid level 4700' Pulled from 5800' Acid and KCL water

Run # 8 Fluid level 5400' Pulled from 6600' Acid and KCL water

Run # 9 Fluid level 6000' Pulled from 6700' (seating nipple) Acid and KCL water.

Shut down. Check for fluid entry.

Run # 10 Fluid level 6300' Pulled from 6700'. 20-35 gals fluid recovered.

Shut down. Check for fluid entry.

Run # 11 Fluid level 6300' Pulled from 6700'. 10-15 gals fluid recovered.

Shut down. Check for fluid entry.

Run # 12 Fluid level 6300' Pulled from 6700'. No fluid recovered. No gas.

Shut down. Check for fluid entry.

Run # 13 Fluid level 6500' Pulled from 6700'. No fluid recovered. No gas.

Run # 14 Fluid level 6500' Pulled from 6700'. No fluid recovered. No gas.

Rig down swab and lubricator. Shut well in.

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DC: \$2,450

CTD: \$18,850

Recompletion - Report Date 10/25/02 - Actual Day 4

Check wellhead pressure. Tubing pressure 20 PSI. Casing zero. Open well choke.

Well bled down 5-6 minutes. 6-10' flare at start then down to 2' flare.

Rig up swab and lubricator.

Made 2 swab runs recovering 1 1/2 bbls water.

Run # 1 Tag fluid at 6200' Pulled from 6700' (seating nipple). 1 bbl water No gas.

Run # 2 Tag fluid at 6400' Pulled from 6700' (seating nipple). 1/2 bbl water No gas.

Load tubing with 38 bbls 2% KCL.

Nipple down wellhead and nipple up Bop. Pick up 10' sub and release packer.

Lay down 14 joints 2 7/8" tubing.

Continue out of hole with remaining 189 joints. 94 stands and 1 single.

Move in, spot and rig up Computalog wireline equipment.

Pick up CCL/CIBP and run in hole. Correlated to short joint.

Set CIBP at 6700'.

Pick up and fill dump bailer with cement.

Trip in hole with dump bailer. Spotted 35' of cement on top of CIBP.

Trip in hole with dump bailer. Spotted 10 gals of 15% HCL acid at (top perforation) 6282'.

Pull out of hole, lay down dump bailer, pick up lubricator and perforating gun.

Run in hole w/3 3/8" cased gun, perforate 6282-6308' 2 JSPF .37 diameter hole.

Rig down and release wireline equipment.

Pick up 5 1/2 x 2 7/8" Baker FB Model Lok-Set and 2 7/8" seating nipple.

Trip in hole with packer and tubing. Leave packer swinging 10 stands out.

Secure wellhead. Close pipe rams and TIW in tubing.

SDFN

DC: \$7,150

CTD: \$26,000



Recompletion - Report Date 10/26/02 - Actual Day 5

Check wellhead pressure. Tubing and casing "zero" PSI.
Continue in hole with remaining 10 stands of 2 7/8" tubing.
Pick up 10' sub and set packer at 6247' with 20 points compression.
Nipple down Bop and nipple up 2 9/16" x 5M tree.
Load annulus and test packer to 2000 PSI for 10 minutes.
Rig up swab and lubricator. Made total of 7 runs swabbing tubing down to seating nipple at 6242'.
Move in, spot and rig up Schlumberger acid equipment.
Held safety meeting. Pressure test lines to 6000 PSI. Pressure annulus to 500 PSI.
Tie onto tubing and acidize Cisco perforations 6282-6308' with 1500 gals 15% HCL acid using 70 each 7/8" 1.3SG ball sealers.
Avg rate 3.5 BPM Max rate 4.2 BPM Formation broke at 2990 PSI.
Avg pressure 3400 PSI Max pressure 3610 PSI ISIP 2430 PSI.
5 min shut in 2160 PSI, 10 min shut in 2060 PSI, 15 min shut in 2010 PSI.
Rig down and release Schlumberger acid equipment.
Rig up swab and lubricator. Made total of 11 runs swabbing tubing down to seating nipple.
Run # 1 Fluid level Surf Pulled from 1300' 100% KCL
Run # 2 Fluid level 900' Pulled from 2200' 100% KCL
Run # 3 Fluid level 1900' Pulled from 3300' 100% KCL
Run # 4 Fluid level 2900' Pulled from 4200' 100% KCL
Run # 5 Fluid level 3600' Pulled from 4900' KCL, trace of acid gas, strong blow.
Run # 6 Fluid level 4600' Pulled from 5900' Gas cut, slight blow after swab, 2-3' flare.
Run # 7 Fluid level 5500' Pulled from 6200' (SN) Gas cut, slight blow after swab.
Run # 8 Fluid level 6000' Pulled from 6200' Gas cut, slight blow after swab.
Run # 9 Fluid level 6000' Pulled from 6200' Gas cut, slight blow after swab.
Shut down, check for fluid entry.
Run # 10 Fluid level 5500' Pulled from 6200' Gas cut, slight blow after swab.
Shut down, check for fluid entry.
Run # 11 Fluid level 6000' Pulled from 6200' Gas cut, slight blow after swab.
Rig down swab and lubricator. Secure wellhead.
Starting with run # 6 through run # 11 able to burn 2-3' flare after swab run.
Recovered approx. 25-27 bbls water.
Shut in for weekend.
DC: \$6,400 CTD: \$32,400



Recompletion - Report Date 10/27/02 - Actual Day 6

Check wellhead pressure. Tubing pressure 100 PSI. Casing pressure "zero".
Bled down to reserve pit. Well blowed down in 3-5 minutes.
Rig up swab and lubricator. Made total 3 runs recovering 3-3 1/2 bbls water.
Run # 1 Tag fluid level @ 5600' Pulled from (6200') seating nipple. 2 bbls water.
Run # 2 Tag fluid level @ 6000' Pulled from (6200') seating nipple. 1 bbl water.
Run # 3 Tag fluid level @ 6000' Pulled from (6200') seating nipple. 1/2 bbl water.
Decision made to plug and abandon well. Notified Carlsbad BLM office (Jim Amos) of intent to plug. Unable to contact, left message with front desk and message on voice mail. Called Roswell BLM office and contacted Stan Mayo and Roswell engineer notifying no contact made with Carlsbad office. Received permission to plug.
Rig down swab and lubricator.
Nipple down wellhead and nipple up Bop.
Pick up 2 7/8" x 10' sub and release Baker FB Lok-Set packer.
Pull out of hole with tubing and packer. Lay down packer.
Lunch
Trip in hole with 190 joints tubing open ended to depth of 6238', pick up 10' sub placing end of tubing at 6248'.
Move in, spot and rig up Schlumberger cement equipment.
Circulate and condition hole with 9 lb mud.
Spot 50 sack Class "C" cement plug at 6248'. Rig down and release Schlumberger.
Pull out of hole with 40 stands.
Secure wellhead. Close pipe rams, TIW in tubing and close annulus in.
SDFN
DC: \$6,950 CTD: \$39,350