Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.3.
Approval expires 12-31-55.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Farmington, N.M.
Lease No. NM 03187
Unit Lambe No. 3

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	X	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

February 2, 1965

Well No. 3 is located 850 ft. from {N/S} line and 1650 ft. from {E/W} line of sec. 21

NE¼ Sec. 21 (¼ Sec. and Sec. No.) T. 31 N., R. 10 W. (Twp.) (Range) NMPM (Meridian)

Blanco MV (Field) San Juan (County or Subdivision) New Mexico (State or Territory)

RECEIVED
FEB 3 1965
OIL CON. COM.
DIST. 3

The elevation of the derrick floor above sea level is 6146.5 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Pull 2 7/8" tbg.
Squeeze open hole interval 4537 K.B. to 5400' K.B. with 450 sax cmt.
Squeeze annulus of 7" and cement to surface.
Deviat w/whipstock and drill a new hole to 5400' K.B.
Run, set & cmt. 4½" csg. @ 5400'. Cmt. to surface.
Perf. & fracture treat Mesa Verde gas zone.
Run 1¼" tbg. & connect wellhead.
Restore to production.

RECEIVED
FEB 5 1965
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company ROCK ISLAND OIL & REFINING CO., INC.

Address 321 W. Douglas
Wichita, Kansas

By T. D. Ables
T. D. ABLES
Title Petroleum Engineer

OIL CONSERVATION COMMISSION
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO

well file

January 21, 1965

Rock Island Oil & Refining Company
321 West Douglas
Wichita 2, Kansas

Attn: Mr. W. H. Ables

Re: Remedial Action, Rock Island
#3 Zarbe, F-21-30N-10W

Dear Mr. Ables:

Reference is made to our letter of October 22, 1964 and your reply of November 19, 1964 regarding the subject well.

As I stated in my letter of October 22nd, we consider the present condition of this well to be such that remedial action must be taken without further delay. Gas of undetermined origin is present in large quantities on the bradenhead of this well and this gas is unconfined in the area between the surface casing shoe and the top of the cement on the production casing.

You stated in your letter of November 19 that you were in the process of securing approval of a workover plan from your management and from El Paso Natural Gas Company. As we have heard nothing further from you since that time we presume that such approval was not forthcoming.

I therefore feel that we have no alternative other than to advise our legal department in Santa Fe to set the matter for hearing in order that your company or other interested parties may appear and show cause why the well should not be worked over in such a way as to properly seal off all gas and water sands in the production casing annulus as required by our rules. Therefore, unless actual remedial action is commenced within 10 days it is our intention to advise our legal department to take the above action. Your workover plan should be submitted to this office for approval on Form C-103 prior to commencing operations.

OIL CONSERVATION COMMISSION
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO

We will be glad to discuss proposed remedial procedures with you at your convenience.

Yours very truly

Emery C. Arnold
Supervisor, District #3

ECA:ks

cc: Mr. James Durrett
Assistant Attorney General
OCC, Santa Fe, New Mexico

Mr. F. S. Oberly
EPNG, Farmington, N.M.

Mr. A. J. Jackson
Aztec, N.M.

OIL CONSERVATION COMMISSION
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO

October 22, 1964

Rock Island Oil & Refining Company
321 West Douglas
Wichita 2, Kansas

Attn: Mr. Bick

Dear Sir:

One June 24, 1963 a letter was written to your company by this office requesting that remedial action be taken on your #3 Lambe well in Unit F, Section 21-31N-10W, San Juan County, in such a way as to confine all oil and gas occurring in formations penetrated to the formations in which it occurred. Evidence that this had not been done was indicated by a bradenhead test which was conducted June 11, 1963 which showed that there was a considerable volume of gas and water occurring on the bradenhead of the well. This test did not indicate any evidence of casing failure.

Subsequent to the time this letter was written an offset well belonging to El Paso Natural Gas Company was worked over to correct a similar condition and we notified your Mr. Jackson in Aztec that he could delay the workover on your well until such time as it was determined if the condition on your well was related to the condition on the El Paso well. We did this realizing that there was a possibility that gas was moving through shallow sands from the El Paso well to the Lambe well.

However last week we conducted a subsequent test on your well and find that the original condition remains the same. The well flows a large volume of gas and water from the bradenhead, although the casing pressure on the well does not indicate any communication between the production casing and this bradenhead flow. Therefore we must insist that remedial action be commenced on this well in the immediate future. We will be glad to discuss the type of remedial action to be taken with you or Mr. Jackson at any time prior to commencement of operations. After a remedial plan has been decided upon, Form C-102 should be filed in this office describing your plans before workover operations are started.

Yours very truly

ECA:ks

Emery C. Arnold
Supervisor, District #3

OIL CONSERVATION COMMISSION
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO

June 24, 1963

Rock Island Oil & Refining Co.
321 West Douglas
Wichita 2, Kansas

Re: Rock Island #3 Lambe
F-21-31N-10W, San Juan Co.

Gentlemen:

Bradenhead surveys recently completed indicate gas is present in considerable quantities in the surface casing annulus on the above well.

Although pressures measured on these tests do not indicate communication between the production and surface casing, the presence of gas in these quantities on the bradenhead indicates either that the casing has failed or that gas from other higher formations behind the production casing is not being confined to the formation in which it occurred. The only other possible explanation would be that the gas has accumulated in shallow sands from older casing failures which have been repaired, or from undetected casing leaks on other wells in the area. Therefore, the Commission sees no alternative but to require remedial action on this well in order to prevent the movement of gas behind the production casing. This is necessary in order to prevent the possible waste of recoverable gas and also to prevent charging of shallow water sands with gas.

Form C-102 should be filed in this office describing your plans for remedial action prior to commencement of operations. If you wish to discuss proposed corrective measures, please contact this office.

Yours very truly

Emery C. Arnold
Supervisor, District #3

ECA:ks

cc: OCC, Santa Fe, N.M.

NEW MEXICO OIL CONSERVATION COMMISSION
1000 Rio Brazos Road
Aztec, New Mexico

BRADENHEAD TEST REPORT

(Submit 3 copies to above address)

Date of Test 6-11-63 Operator Rock Island Oil & Refining Co., Inc.

Lease Name Lambe Well No. 3 Location U Sec. 21 Twp. 31N Rge. 10W

Pressure (Shut-in or ~~Flowing~~) Dwt. Tubing 857 Casing _____ Bradenhead 179#

OPEN BRADENHEAD TO ATMOSPHERE FOR 15 MINUTES.

~~Casing~~ or Tubing Pressure, Dwt.

5 Min. 857 #

10 Min. 857 #

15 Min. 857 #

20 Min. _____

25 Min. _____

30 Min. _____

Bradenhead Flowed:

Steady Flow _____

Surges _____

Down to Nothing _____

Nothing _____

Gas X First 2 minutes

Gas & Water X After 2 minutes

Water _____

If Bradenhead flowed water check description below:

Clear _____

Fresh X

Salty _____

Sulfur _____

Black X

Remarks: Gas increasing with time.
Flowing through 1" pipe

JUN 13 1963
OIL CON. COM.
DIST. 3

By A. J. Graham
Dist. Supt.
Position

Witness ARK