

LATITUDE 39° 15' 00"



80° 05' 00"

LONGITUDE

7'5 OGIS topo location

7.5' loc	<u>0.495</u>	15' loc	<u>0.495</u>
	<u>0.73 W</u>	(calc.)	<u>0.73 W</u>

Company _____

Farm _____

Elev 1170' - ^{7.5' topo} KLa 3/5/92
Holbrook NC

Quad OXFORD 7 1/2'

County DOORIDGE

District CENTRAL

WELL LOCATION MAP

File No. 017-1971

HOPE NATURAL GAS COMPANY

LOCATION FOR WELL No. *6327*

C N 8
Instruction *CRK*

Shirley

DISTRICT

Carroll

On *Shirley*

Farm, on waters of

Carroll

District,

Carroll

County, West Virginia.

Lease No. *3755* Acres *113*

N.

S.

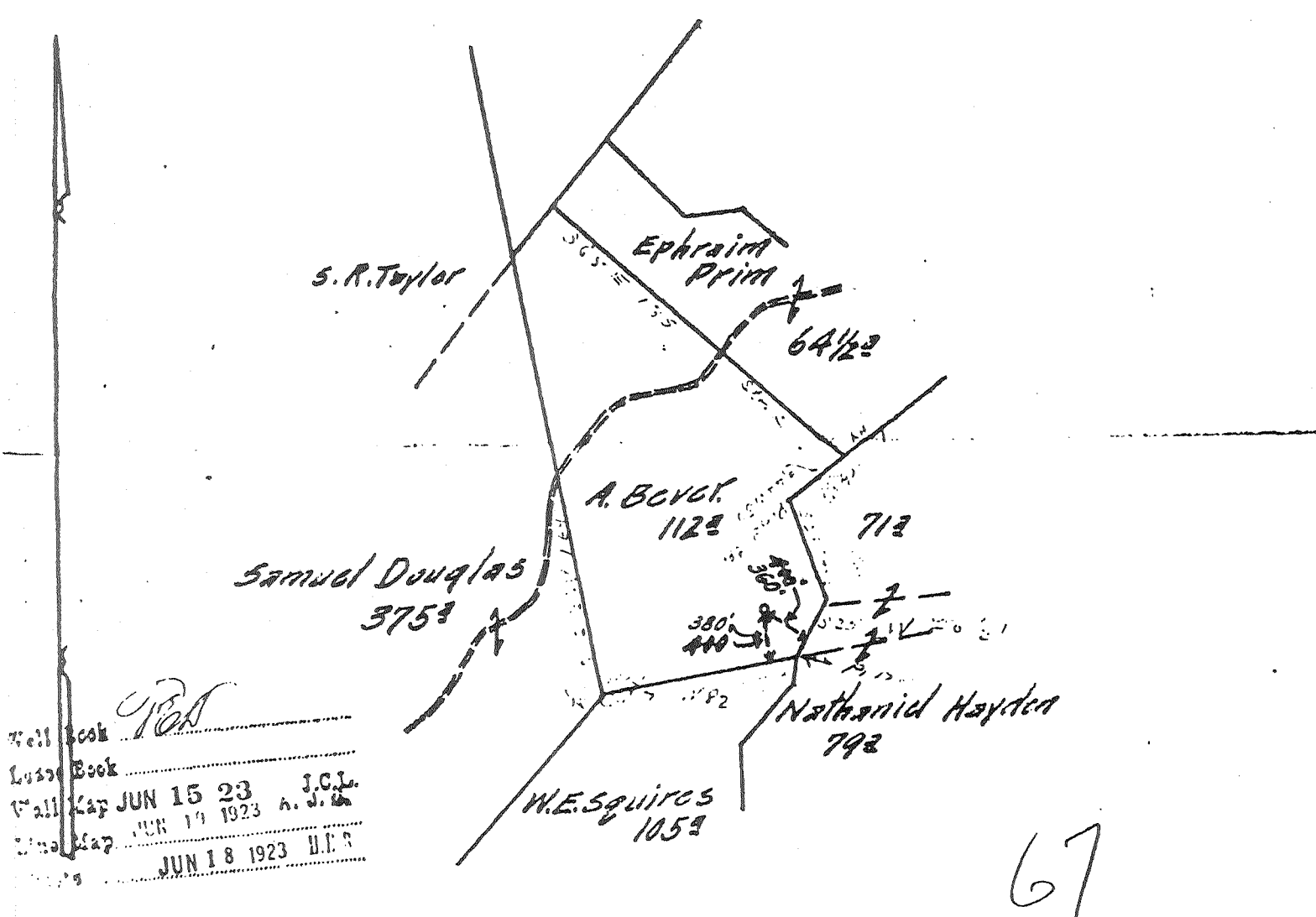
E.

W. *15*

Scale one inch equals *5000* Location made in Pittsburgh *Apr 27* Sent to Clarksburg *Apr 23*

Location to be *100 feet from the corner of the farm and 100 feet from the natural stream, per plat.*

COPY SENT TO PHILADELPHIA COMPANY



Well Book *PEA*
 Lease Book
 Well Map JUN 15 23 J.C.L.
 Plat Map JUN 19 1923 A.J.L.
 JUN 18 1923 H.L.S.

67

Field Book 3.6-40

No Abs.

TITLE RESERVE *Two hundred feet around the drilling location*

SPECIAL INSTRUCTIONS: COMPLETE WELL ON OR BEFORE

017-1971

Same Lease on which Located Well No.

Location made April 27, 1923 | by H. E. Lowther, As per plat, except as noted. On field map
 April 30, 1923 | Returned to Pittsburgh April 30, 1923 |

Location changed on account of

Authorized by _____ Date _____ Signed S. H. Bradley, by - Tulley -

NEW WELL _____
D.D. _____
OLD WELL X

FARM NAME A. Bever DISTRICT Southwest COUNTY Doddridge STATE W. Va.

OPERATOR Hope Natural Gas Co SERVICE COMPANY Dowell Inc. DATE 12-1-58

FORMATION Injun TOP 2218 BOTTOM 2265

PAY ZONE: TOP 2245 BOTTOM 2254 WAS FORMATION SHOT? Not in this operation

TOTAL DEPTH 2295 PLUGGED BACK TO 2260 WITH Stone & calseal cement

SURVEYS: CALIPER Yes TEMPERATURE No GAMMA RAY Yes OTHER _____

O. F. ORIGINAL ? MCF, R. P. _____ # IN _____ HOURS

O. F. BEFORE FRAC. 3 MCF, R. P. 375 # IN 7 days HOURS

PRODUCTION STRING: SIZE 5-1/2" LENGTH 2228 S.L. CEMENTED WITH 25 BAGS OF Portland CEMENT

WAS LINER SET? No SIZE _____ TOP _____ BOTTOM _____

INJECTION STRING: SIZE 5-1/2" LENGTH 2228 S.L. PACKER: SET @ None SIZE _____

PACKER (CONTD): TYPE _____ MAKE _____ CEMENTED WITH _____ BAGS OF _____ CEMENT

(TO BE FILLED IN BY SERVICE ENGINEER)

TYPE OF TREATMENT Hydrafrac VOLUME OF FLUID REQUIRED TO FILL HOLE _____ GALS

TREATMENT - BREAKDOWN

FLUID: KEROSENE 2866 GALS
CRUDE OIL _____ GALS
M. C. A. 200 GALS
_____ GALS
TOTAL 3066 GALS

BREAKDOWN PRESSURE: MAXIMUM 2400 #
FINAL 2400 #
TIME 1 MINUTES
INJECTION RATE: 840 GALS PER MINUTE
VISCOSITY 33 + (SSU) SP. GR. .8021

TREATMENT - FRACTURE

FLUID: KEROSENE 6594 GALS
CRUDE OIL _____ GALS
GEL AGENT _____ GALS
_____ GALS
TOTAL 6594 GALS
FLUID LOSS _____

SAND: AMOUNT 8000 POUNDS
SIZE 20-40
PRESSURE: MAXIMUM 2500 #
FINAL 2500 #
TIME 7 MINUTES
INJECTION RATE: START OF GEL 942 GALS PER MINUTE
AVERAGE 942 GALS PER MINUTE
VISCOSITY 33 + (SSU) SP. GR. .8021

TREATMENT - FLUSH

FLUID: KEROSENE 2520 GALS
CRUDE OIL _____ GALS
_____ GALS
TOTAL 2520 GALS
TOTAL FLUID USED 12180 GALS

PRESSURE: MAXIMUM 2600 #
FINAL 2500 #
TIME 3 MINUTES
INJECTION RATE: 840 GALS PER MINUTE
VISCOSITY 33 + (SSU) SP. GR. .8021

COMPLETION

PRESSURE 10 MINUTES AFTER PUMPS SHUT DOWN: 1500 #
PRESSURE AT END OF SHUT IN PERIOD: 0 #
FLUID RECOVERED: 40 BBL IN 24 HOURS, 100 IN 48 HOURS, 152 BBL IN 192 HOURS
FLUID REMAINING IN FORMATION: _____ GALS VOLUME OF SAND RECOVERED _____

O. F. AFTER FRAC. 200.2 MCF, R.P. 360 # IN 18 HOURS

REMARKS: _____ (CONTINUE ON BACK)

COPY TO: A. R. MCCAMEY
LAND DEPARTMENT
J. W. HENDRICKSON
DIVISION SUPERINTENDENT ✓
DISTRICT SUPERINTENDENT

REPORTED BY: Warren B. Mason
DATE: 1-9-59
WORKING DISTRICT: Salem District

