

LATITUDE 39° 12' 30"

80° 45' 00"

LONGITUDE

7'5 OGIS topo location

7.5' loc	<u>0.075</u>	15' loc	<u>2.955</u>
	<u>1.64W</u>	(calc.)	<u>1.64W</u>

Company _____

Farm _____

Elev. 1060' - 7.5 stops - elev 3/5/93
Holbrook NE

Quad OXFORD 7 1/2'

County DOODRIDGE

District SOUTHWEST

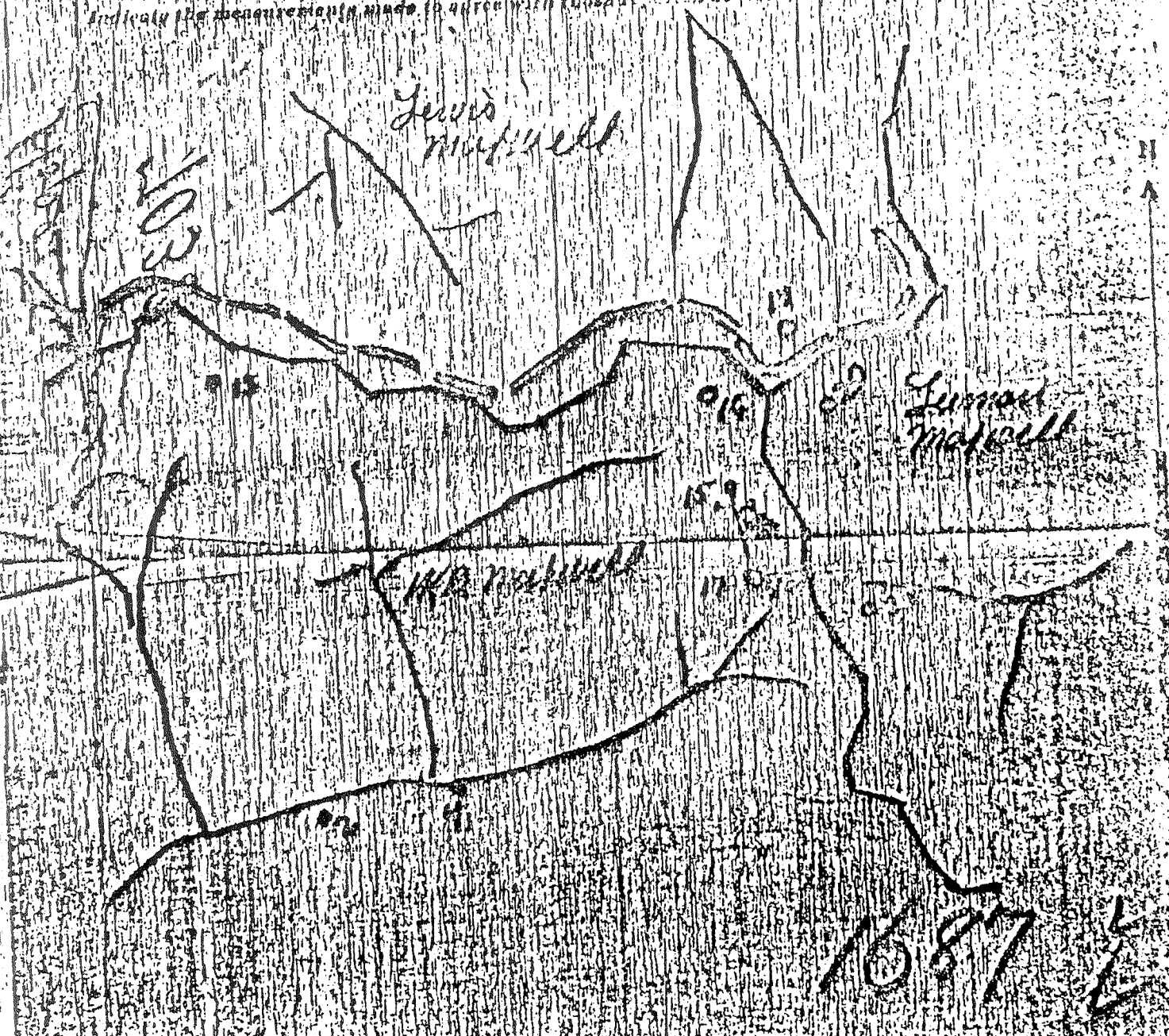
WELL LOCATION MAP

File No. 017-1980

LOGS OF WELLS

Well No. 17
Name of Operator or Owners of Lease: *W. B. Marshall*
The Carter Oil Co.
County: *Lodds* State: *South West*
Name of Section or Quarter: *South part of Hughes River*
Section: *4* Range: *11*
Twp: *L-18*
Date of Survey: *Stout*
Survey made by: *Cruz, Macken & Co., Austin*
Date: *June 6 1917*
Elev. from *1113* to *1113* feet

Indicate the measurements made to agree with those recorded above.



J. A. Marshall

POOR COPY

017-1980

REPORT ON HYDRAULIC FRACTURING

WELL NO. 7039
MAP SQUARED N E S 17 10

NEW WELL
D. D.
OLD WELL X

WELL NAME W.B. Maxwell DISTRICT Southwest COUNTY Doddridge STATE W. Va.
OPERATOR Hons. Natural Gas SERVICE COMPANY Duell Ind. DATE 10-8-56

FORMATION Big Injun TOP 1830 BOTTOM 1923
PAY ZONE: TOP 1904 BOTTOM WAS FRACTURED SHOT 1 10

SURVEYS: CALIPER X TEMPERATURE X GAINA RAY X OTHER

O. F. ORIGINAL MCF, R. P. # IN _____ HOURS
O. F. BEFORE FRAC. 35 M MCF, R. P. 270 # IN 24 HOURS

PRODUCTION STRING: SIZE 7" LENGTH 1770 CEMENTED WITH none BAGS OF _____ CEMENT

WAS LNER SET none SIZE TOP BOTTOM

INJECTION STRING: SIZE 3" LENGTH 1873 PACKER SET @ 1806 SIZE

PACKER (CONTD): TYPE O.H. MAKE PORTAGO CEMENTED WITH none BAGS OF _____ CEMENT

(TO BE FILLED IN BY SERVICE ENGINEER)

TREATMENT - BREAKDOWN

FLUID: KEROSENE 1260 GALS
CRUDE OIL _____ GALS
M. C. A. _____ GALS
OTHER _____ GALS
TOTAL 1260 GALS

Viscosity 33

TREATMENT - FRACTURE

FLUID: KEROSENE _____ GALS
CRUDE OIL _____ GALS
GEL AGENT _____ GALS
OTHER 4000 GALS
TOTAL 4000 GALS
Viscosity 86
FLUID LOSS _____

BREAKDOWN PRESSURE: MAXIMUM 900 #
FINAL 900 #
TIME _____ MINUTES
INJECTION RATE: 210 GALS PER MINUTE

Sp. Gr. 8021

SAND: AMOUNT 8000 POUNDS
SIZE 40-60
PRESSURE: MAXIMUM 1600 #
FINAL 1600 #
TIME 12 MINUTES
INJECTION RATE: START OF GEL 378 GALS PER MINUTE
AVERAGE 378 GALS PER MINUTE

TREATMENT - FLUSH

FLUID: KEROSENE 840 GALS
CRUDE OIL _____ GALS
OTHER _____ GALS
TOTAL 840 GALS

Viscosity 33

TOTAL FLUID USED 6700 GALS

PRESSURE: MAXIMUM 1600 #
FINAL 1600 #
TIME 3 MINUTES
INJECTION RATE 294 GALS PER MINUTE

Sp. Gr. 8021

COMPLETION

PRESSURE 10 MINUTES AFTER PUMPS SHUT DOWN: Vacuum
PRESSURE AT END OF SHUT IN PERIOD: 295 #
FLUID RECOVERED: 25 BBL IN 24 HOURS, 40 IN 48 HOURS, 65 IN 9 Days (FOLLOWING LAST REPORTED ABOVE)
FLUID REMAINING IN FORMATION: 75 Bbls.
VOLUME OF SAND RECOVERED: 500 #

O. F. AFTER FRAC. 1,166 MCF, R. P. 295 # IN 18 HOURS

REMARKS:

(CONTINUE ON BACK)

COPY TO: A. R. MCCAMEY
R. E. BAYLES
J. H. HENDRICKSON
DIVISION SUPERINTENDENT
DISTRICT SUPERINTENDENT

REPORTED BY: Warren R. Mason
DATE: 10-19-56
WORKING DISTRICT: Salem

017-1980

Well No. 18 (Ar. 2) Landa No. 18 Name 18 District 18
 Locality Made 18 County 18 State 18
 Rig Commenced 18 First Work Done 18
 Drilling Commenced 18/1/17 Rig Completed 18/1/17
 Rig Contractor 18 Drilling Contractor 18
 Drillers 18 Tool Dressers 18

FORMATION	Down or Close Hard or Soft	TOP	BOTTOM	Steel Line Measurements	Water Found Depth	Oil Found Depth	Gas Found Depth	REMARKS
Native Coal								
Pittsburgh		838	013					
		768	013					
		013	003					
		1073	1003					
First Salt		1203	1350					
Second Salt		1472	1473					
Third Salt								
Mazon		1538	1803					
Little Lime		1723	1743					
Pencil Carb		1743	1750					
Big Lime		1750	1010					
Keener								
Big Injun		1830	1930				1800	
Squaw								
Weir								
Ikeea								
Gantz								
Fifty Foot								
Thirty Foot								
Gordon Stray		2400	2400					
Gordon		2503	2503			2500	2503	
Fourth								
Fifth								
Total Depth		2523						Initial Oil Production 3 bbl. oil per day Initial Open Flow 877, 110 gals. Initial Rock Pressure 510 lbs.

SIZE	Charged to Well		Put in Well		Pulled out		Left in Well		Transferred Before Completing		Left at Well Not in Use		Steel Line Measurement		If more than two strings of casing are left in hole, give reasons for leaving additional strings
	Feet	in.	Feet	in.	Feet	in.	Feet	in.	Feet	in.	Feet	in.	Feet	in.	
13" Cap															
10" "			430		430										
8 1/2" "			1068		1068										
6 3/4" "			1770				1770								
5" Tbg.			2510				2510								

PACKER RECORD

SIZE	KIND	Amount Above	Amount Above	REMARKS

SHOOTING RECORD (if shot before or upon completion of well)

DATE	Barrels	Top of Shot	Bottom of Shot	Diameter	Depth	TEST BEFORE SHOT			TEST AFTER SHOT			Test Taken After Shot No. Barrels	By Whom Shot
						Reading	Liquid	Spending	Reading	Liquid	Spending		

CEMENTING RECORD

Date Cemented.....	Size Hole Cemented.....	Size Casing Cemented.....
Top Pittsburgh Coal.....	Top Cementing.....	Amount Cement Used.....
Bottom Pittsburgh Coal.....	Bottom Cementing.....	Amount Sand Used.....
Mr.....	of.....	Coal Company on ground when coal was cemented
Remarks.....		Signature of persons who cemented well

Approved.....
 Foreman