

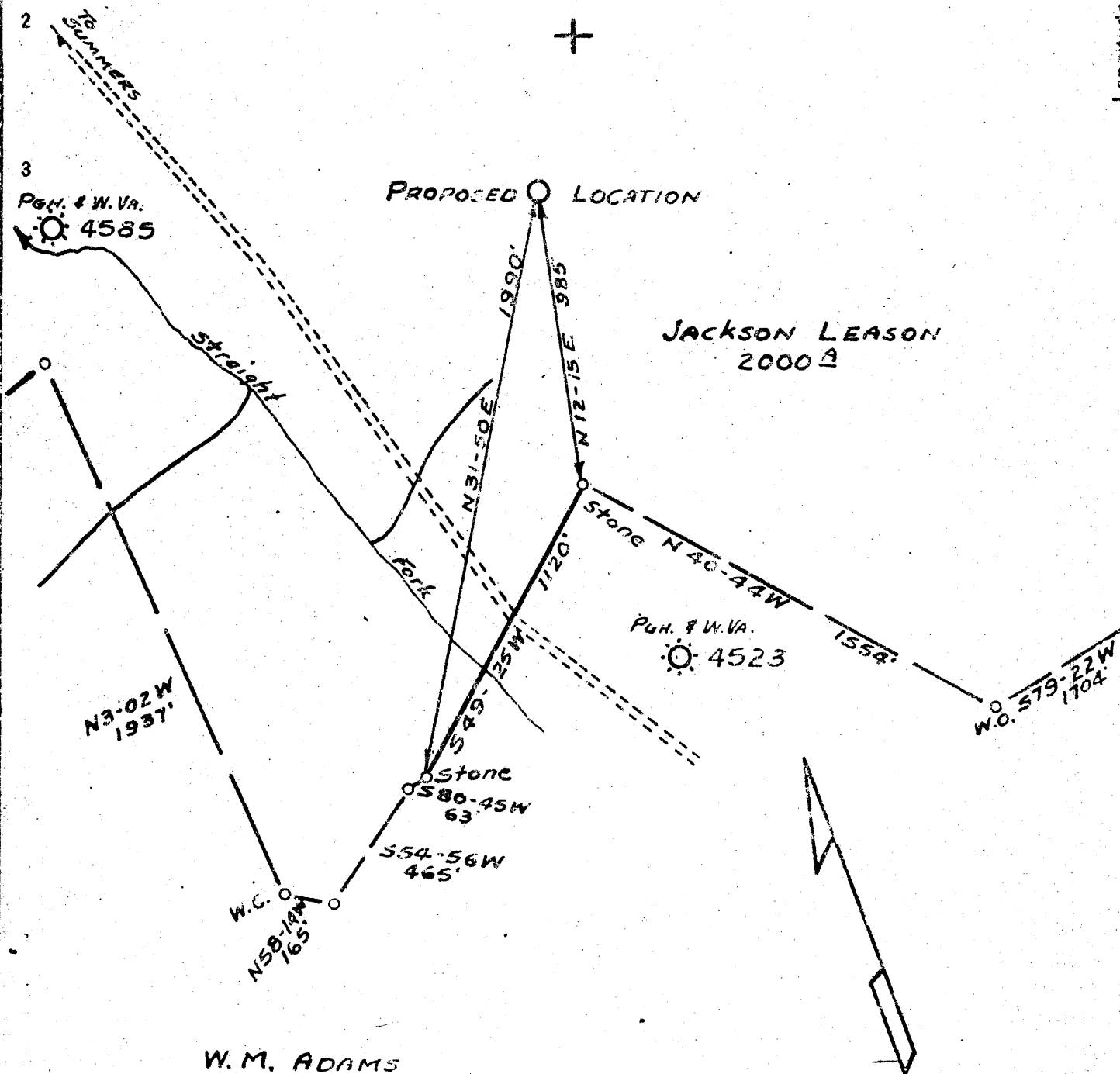
Latitude 39 10

P. & M. OIL CO.

Pg. & W. VA.

4869

Longitude 80 45



W. M. ADAMS

NEW LOCATION

Company P. & M. OIL CO.
 Address WEST UNION, W. VA.
 Farm JACKSON LEASON
 Tract _____ Acres 2000 Lease No. (9481)
 Well (Farm) No. SIX Serial No. _____
 Quadrangle HOLBROOK N.E. 34 EC
 County DODDRIDGE
 District SOUTHWEST
 Engineer Paul W. Cunningham
 Approved By [Signature]
 Engineer's Registration No. 764
 File No. D32/91 Drawing No. _____
 Date 4/6/48 Scale 1" = 500'

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP
FILE NO. DOD-187

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500. latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

39° 15'

Quadrangle Holbrook NE34 6-21

Permit No. DOD-187-DD

WELL RECORD

G. NOLL

Oil or Gas Well Gas (KIND)

Company P. & M. Oil Company
 Address West Union, W. Va. 26456
 Farm Jackson Leeson Acres 1730
 Location (waters) St. Fork
 Well No. 6 Elev. 1070
 District South West County Doddridge
 The surface of tract is owned in fee by Georgia McKain
 Address West Union
 Mineral rights are owned by McKain & others
 Address _____
 Drilling commenced July 2, 1969
 Drilling completed Aug. 12, 1969
 Date Shot _____ From _____ To _____
 With _____
 Open Flow _____ /10ths Water in _____ Inch
 _____ /10ths Merc. in _____ Inch
 Volume 25000 Cu. Ft.
 Rock Pressure Not taken lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 WELL ACIDIZED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
10			
8 1/4			Depth set
6 5/8	958	958	
5 3/16			Perf. top
4 1/2		1940	Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

CASING CEMENTED 4 1/2 SIZE 400 No. Ft. 8-19-69 Date

COAL WAS ENCOUNTERED AT No coal INCHES
 FEET INCHES FEET INCHES
 FEET INCHES FEET INCHES

WELL FRACTURED Aug. 25, 1969 1500 gal sand acid 792 gal water 20000 sand

RESULT AFTER TREATMENT 150 000 50 MCFGPD Big Injun
 ROCK PRESSURE AFTER TREATMENT Not taken
 Fresh Water None Feet _____ Salt Water _____ Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand			1650	1660			
Slate			1660	1680			
Lime			1680	1725			
Slate			1725	1740			
Lime			1740	1767			
Slate			1767	1775			
Lime			1775	1885	Gas	1784-1787	50M
Injun sand			1885	1925	Gas	1920	show

$$\begin{array}{r} 1925 \\ 1650 \\ \hline 275' \text{ D.D. Footage} \end{array}$$

RECEIVED
 DEC 22 1969
 OIL & GAS DIVISION
 DEPT. OF MINES

(over)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Hallbrook

WELL RECORD

Permit No. Dod-187 D

Oil or Gas Well Gas
(KIND)

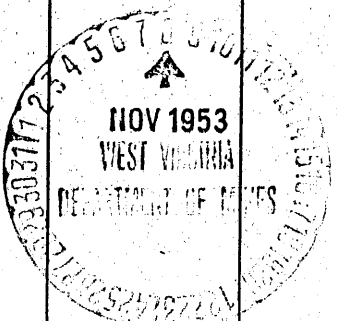
Company P & M. Oil Company
Address West Union, W. Va.
Farm Jackson Leeson Acres 2000
Location (waters) St. Fork
Well No. 6 Elev. 1070'
District South West County Doddridge
The surface of tract is owned in fee by Georgia McKain
Morgansville, W. Va.
Mineral rights are owned by McKain & others
Address _____
Drilling commenced June 1, 1953
Drilling completed June 2, 1953
Date Shot _____ From _____ To _____
With _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
18			
10	<u>94'</u>	<u>-</u>	Size of
8 1/2	<u>445'</u>	<u>-</u>	
6 1/2	<u>958'</u>	<u>958'</u>	Depth set
5 3/16			
3			Perf. top
2		<u>1650</u>	Perf. bottom <u>1646</u>
Liners Used			Perf. top
			Perf. bottom

Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume 400 000 Cu. Ft.
Rock Pressure 160 lbs. hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet feet
Salt water _____ feet feet

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT _____ FEET INCHES
_____ FEET INCHES FEET INCHES
_____ FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Total Depth when drilling began				<u>1625</u>			
Sand			<u>1625</u>	<u>1650</u>	<u>Gas</u>	<u>1625-1645</u>	
Total Depth				<u>1650</u>			



WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
W E L L R E C O R D

Permit No. Dod 187
Holbrook Quad.

Gas Well
CASING & TUBING

Company	P & M Oil Co.			
Address	West Union, W.Va.	10	94	0
Farm	Jackson Leeson A 2000	8 $\frac{1}{2}$	445	0
Location	St. Fork	6 5/8	958	958
Well No.	6			
District	So. West Doddridge			
Surface	Georgia McKain, Morgensville, W.Va.			
Mineral	McKain and others			
Commenced	Aug. 30, 1948			No coal encountered
Completed	Sept. 22, 1948			
Volume	160,000 C.F.			
Rock Pressure	100 lbs. 24 hrs.			

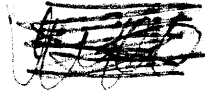
Conductor	0	11
Slate & Red Rock	0	450
Sand	450	498
R. Rock	510	620
Sand	620	645
Slate	645	659
Lime	659	685
Slate & Shells	685	745
R. Rock	745	785
S. & Shells	785	895
Sand	895	905
Lime	905	915
Sand	915	943
Slate	943	946
Sand	946	952
Slate	952	980
Lime	980	1020
Sand	1020	1055
S. & S	1055	1075
Sand	1075	1110
Slate	1110	1145
Sand	1145	1165
S. & S	1165	1185
Sand	1185	1218
Slate	1218	1260
S. & S	1260	1454
Sand	1454	1530
Slate	1530	1588
Sand	1588	
Total Depth	1525	

Gas 1485-1489 show
Gas 1610-1620

Handwritten notes:
9/25/48
1525
1588

JACKSON LEESON NO. 6 WELL.
A? (plat)

Dodd 187



Southwest District, Doddridge County, W. Va.
By P. & M. Oil Co., West Union, W. Va.
Drilled under permit Dod-187, Holbrook Quadrangle.
On 2,000 acres, on Straight Fork.
Elevation, 1070' V. A.
Surface owned by Georgia McKain, Morgansville, W. Va., and minerals
by McKain and others.
Drilling commenced Aug. 30, 1948; completed Sept. 22, 1948.
Volume, 160,000 cu. ft.
Rokk pressure, 100 lbs. in 24 hrs.
10" casing, 94' (pulled); 8 $\frac{1}{4}$ " , 445' (pulled); 6 $\frac{5}{8}$ " , 958'.
~~NO~~ No coal was encountered.
Gas well. Record from Smith September 11, 1949.

	Top.	Bottom.
Conductor	0	11
Slate and red rock	0	450
Sand	450	498
Red rock	510	620
Sand	620	645
Slate	645	659
Lime	659	685
Slate and shells	685	745
Red rock	745	785
Slate and shells	785	895
Sand	895	905
Lime	905	915
Sand	915	943
Slate	943	946
Sand	946	952
Slate	952	980
Lime	980	1020
Sand	1020	1055
Slate and shells	1055	1075
Sand	1075	1110
Slate	1110	1145
Sand	1145	1165
Slate and shells	1165	1185
Sand	1185	1218
Slate	1218	1260
Slate and shells	1260	1454
Sand (gas show, 1485-1489')	1454	1530
Slate	1530	1588
Sand (gas, 1610-1620')	1588
Total depth		1625