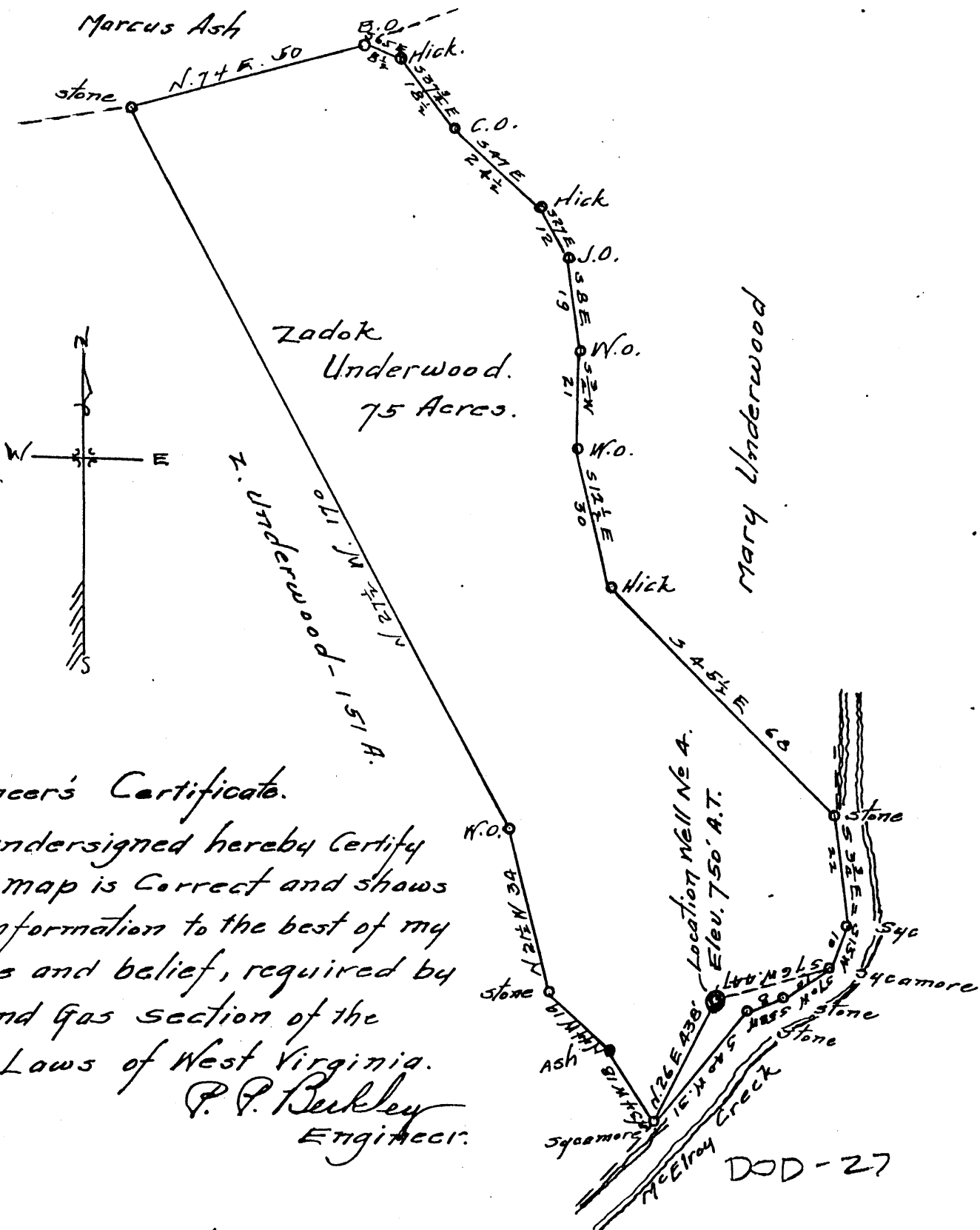


Plat of proposed Location of Well No 4 of J. H. Pentz of Dubois, Pa.
 on the Zadok Underwood farm, consisting of 75 acres,
 Located in McClellan District, Doddridge County, West Va.



Engineer's Certificate.

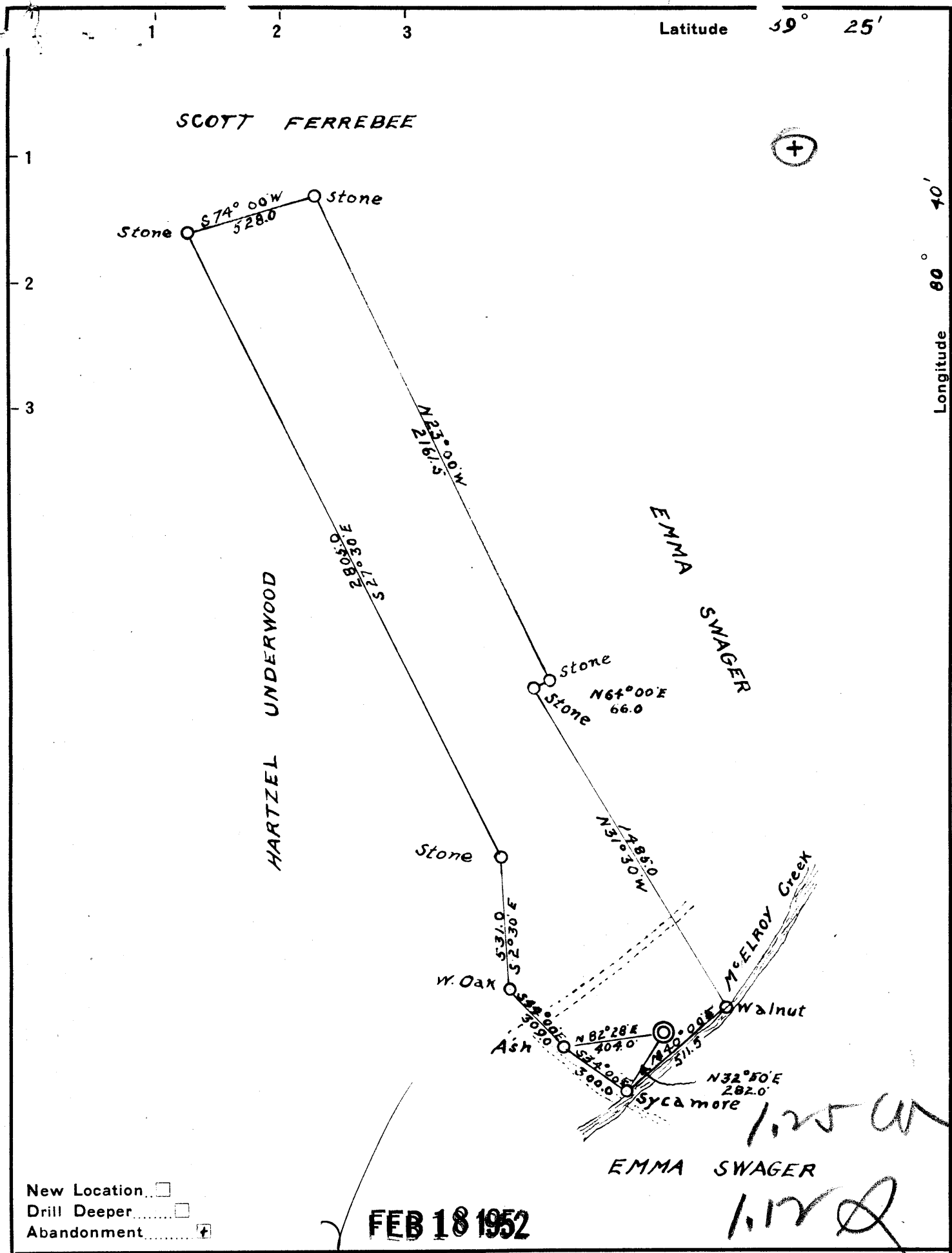
I, the undersigned hereby certify that this map is correct and shows all the information to the best of my knowledge and belief, required by the oil and gas section of the Mining Laws of West Virginia.

P. P. Berkeley
 Engineer.

Acknowledged before me, a notary Public in and for Tyler County, West Virginia, this 29 day of August, 1930.

M. C. Purgbacher
 Notary Public.

My Commission expires
 Nov. 10, 1932



New Location
 Drill Deeper
 Abandonment

FEB 18 1952

Company WURTZ BROS
 Address 1735 CRAFTON BLVD CRAFTON PA
 Farm ZEDOC & MARY UNDERWOOD
 Tract ONE Acres 37 Lease No. _____
 Well (Farm) No. 4 Serial No. _____
 Elevation (Spirit Level) 755.0'
 Quadrangle CENTERPOINT **WC**
 County DODDRIDGE District McCLELLAN
 Engineer G.L. McINTIRE
 Engineer's Registration No. 1187
 File No. _____ Drawing No. _____
 Date 7/9/51 Scale 500' = 1"

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

WELL LOCATION MAP
 FILE NO. DOD-893-A

now 27
 + 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.

LATITUDE

39°25'

80°40'

LONGITUDE



7'5 OGIS topo location

7.5' loc	<u>1.13 S</u>	15' loc	<u>1.13 S</u>
	<u>1.20 W</u>	(calc.)	<u>1.20 W</u>

Company J. H. Pentz

Farm Zadok Underwood

Quad Center Point 7.5' + 15' Wc

County Dodd

District McClellan

WELL LOCATION MAP

File No. 017-27

WEST VIRGINIA DEPARTMENT OF MINES

Oil and Gas Section

PRELIMINARY DATA SHEET NO. 1

File No. Dod-27

Well No. H

Company, of J. H. Benty

on the Jacob Underwood & Mary Underwood Farm

containing 7.5 acres.

Location

Marbleton

District, in Woodbridge

County, West Virginia.

The surface of the above tract is owned in fee by Jacob Underwood & Mary Underwood

of Benton W. Va. address, and the mineral rights are owned by

Jacob Underwood & Mary Underwood

of Benton W. Va.

The oil and gas privileges are held under lease by the above named company, and this well is drilled under

permit No. H issued by the West Virginia Department of Mines, Oil and Gas Section,

September 16

1930

Elevation of surface at top of well, 750

Spirit Barometric.

The number of feet of the different sized casings used in the well.

	<u>23</u>	feet	<u>12 Inch</u>	size.	Wood conductor.
<u>185</u>	<u>10</u>	feet		size, csg.	feet sized csg.
<u>1005</u>	<u>8 1/4</u>	feet		size, csg.	feet sized csg.
<u>1742</u>	<u>6 3/8</u>	feet		size, csg.	feet sized csg.

packer of _____ size, set at _____

packer of _____ size, set at _____

in casing perforated at _____ feet to _____ feet.

in casing perforated at _____ feet to _____ feet.

Coal was encountered at 479 feet; thickness 12 inches, and at _____

feet; thickness _____ inches; and at _____ feet; thickness _____ inches.

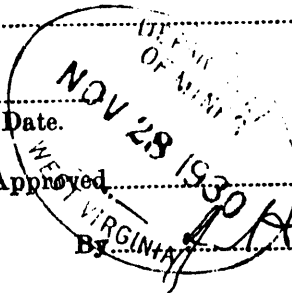
Liners were used as follows: (Give details)

November 17 - 1930

Date.

Approved

By



J. H. Benty (Title)

Owner.

CMS

.....Company

COMPLETION DATA SHEET

.....Address

NO. 2

V.O.D. 27

FORMATION RECORD

Name	Color	Character	Oil, Gas or Water	Top	Bottom	Thickness	Total Depth	Remarks
Clay	Gray	Soft		0	23			
Stone	White	Hard	Water 50	23	50	27		
Red Rock	Red	Soft		50	100	50		
Shale	Dark	"		100	300	200		
Lime	Gray	Hard		300	375	75		
Red Rock	Red	Soft		375	450	75		
Lime	Gray	Hard		450	479	29		
Coal	Black	Soft		479	480	1		
Lime	Gray	Hard		480	525	45		
Shale	Dark	Soft		525	800	275		
Lime	Gray	Hard		800	830	30		
Red Rock	Red	Soft		830	900	70		
Sand	White	Hard		900	920	20		
Shale	Light	Soft		920	1000	80		
Sand	"	Hard		1000	1010	10		
Lime	Gray	Hard		1010	1090	80		
Sand	"	Soft		1090	1130	40		
Shale	Light	"		1130	1140	10		
Lime	"	Hard		1140	1200	60		
Lime	"	Soft		1200	1250	50		
Sand	"	Hard		1250	1361	111		
Red Rock	Red	Soft		1361	1400	39		
Sand	Light	Hard		1400	1545	145		
Shale	"	Soft		1545	1600	55		
Sand	Light	Hard	show gas	1600	1650	50		
Lime	"	"		1650	1713	63		
Sand	"	"		1713	1728	15		
Sand	Dark	Soft		1728	1738	10		
Sand	Light	Hard		1738	1770	32		
Sand	"	"		1770	1820	50		
Sand	"	"		1820	1925	105	1938	

Well was ~~not~~ shot at ^{shot} 1925 - 1933 feet; well was shot at ⁱⁿ ~~at~~ big engine sand feet.

Salt ~~fresh~~ water at 1925 feet; salt fresh water at 50 feet.

Well was ~~not~~ producing hole.

November 17 - 1930 Date Approved J. H. Perry Owner

NOTE: All bottom formations must be noted as indicated above and all key-rocks and oil and gas sands must be recorded under their proper geological names in the district as well as any local names commonly used in the district for such strata.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

860

WELL RECORD

Permit No. 893-A ^{now} 27

Oil or Gas Well (KIND)

Company Watts Bros.
Address Crafton, Pa.
Farm Sedee & Mary Underwood Acres 37
Location (waters) _____
Well No. Four Elev. 755
District McClellan County Doddridge
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced _____
Drilling completed 1930
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
18			
10			Size of
8 1/4			
6 1/2		1742	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

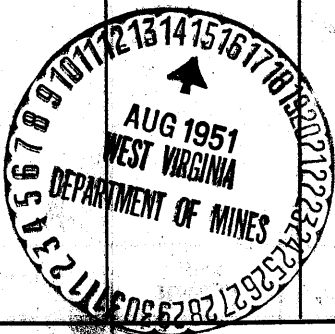
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT 479 FEET 12" INCHES

FEET INCHES FEET INCHES

FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Pgh Coal			479	480			
Lt. Dunkard. & Big. D.			900	1000			
Gas Sand.			1090	1130			
Salts.			1140	1545			
Maxon			1600	1650			
Big Linn			1770	1880			
" Injun			1820	1960			
Gordon Stray			2542	2575			
Gordon			2581	2582	Gas 2563		
5th			2709	2722			
Total Depth.				2740			



MAY 21 1952