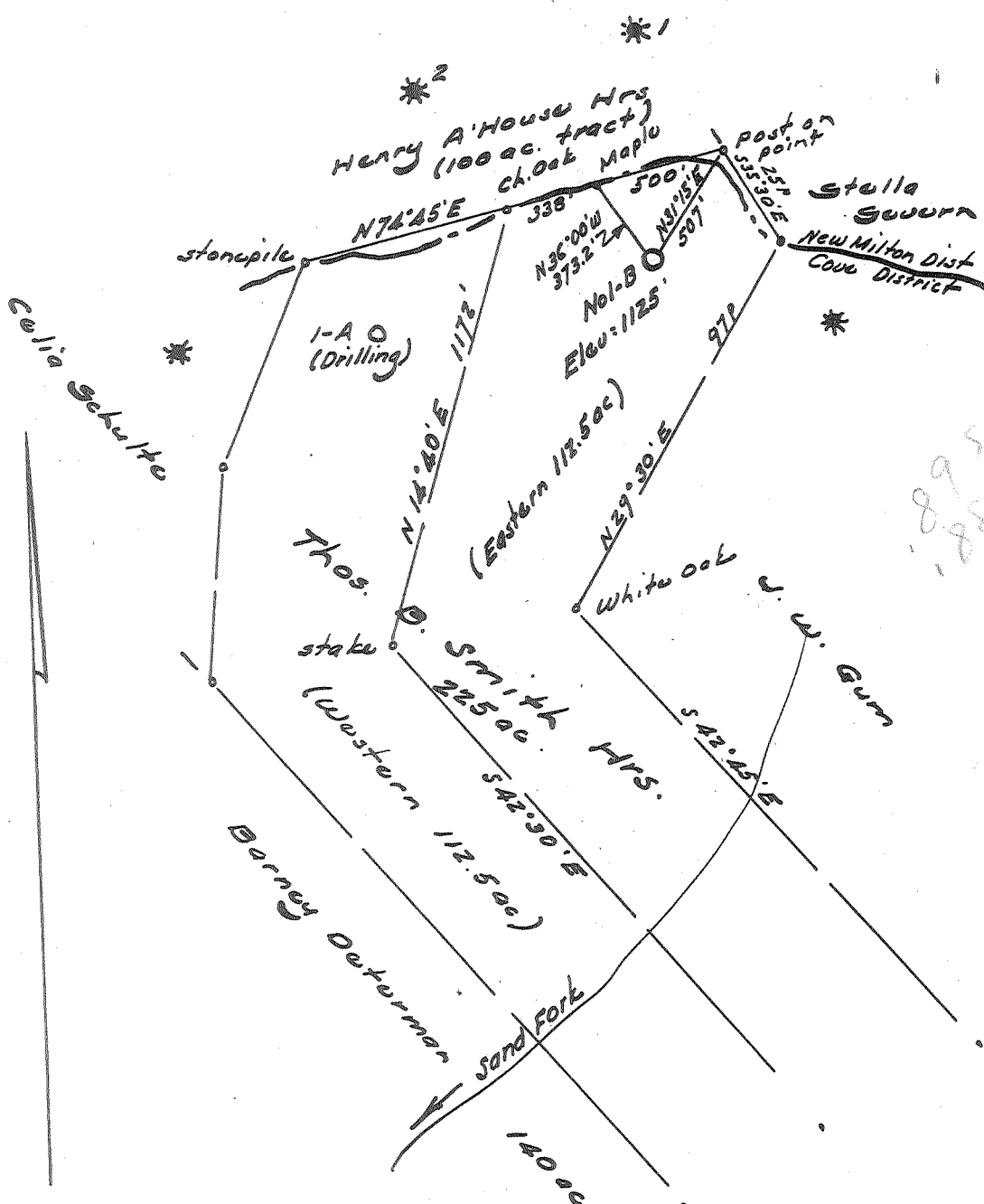


LATITUDE 39° 10'

LONGITUDE 80° 40'



I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all of the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

*[Signature]*  
R. P. E. No. 1227

New Location.....  
 Drill Deeper.....  
 Abandonment.....

Error in Closure: - Less than 1' in 200'

Company R. Wayne Christenson  
 Address 1161 N. Ballenger Hwy. Flint, Mich  
 Farm Thomas Smith Hrs  
 Tract \_\_\_\_\_ Acres 112.5 Lease No. \_\_\_\_\_  
 Well (Farm) No. T-B Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1125  
 Quadrangle Vadis - WC  
 County Doddridge District Cove  
 Engineer [Signature]  
 Engineer's Registration No. 1227  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date April 3, 1964 Scale 1" = 400' = 660'

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

**WELL LOCATION MAP**  
 FILE NO. Dod-1119

+ 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.



Rotary to 2425'  
Spudder to 2485' T.D.

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 5

Quadrangle Vadis

Permit No. DOD 1119

WELL RECORD

Oil or Gas Well Both  
(KIND)

Company R. Wayne Christenson  
Address 1161 North Ballenger, Flint, Mich  
Farm Thomas Smith Heirs Acres 112- $\frac{1}{2}$   
Location (waters) Brushy Fork  
Well No. ONE (Smith B-1) Elev. 1125  
District Cove County Doddridge  
The surface of tract is owned in fee by Thos. Smith heirs  
St. Clair West Va. Address \_\_\_\_\_  
Mineral rights are owned by O.C. Haught et al  
Salem, West Va. Address \_\_\_\_\_  
Drilling commenced May 10th, 1964  
Drilling completed May 25th, 1964 Rotary.  
Date Shot June 16th, 1964 From \_\_\_\_\_ To Cable tool  
With none  
Open Flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume 50 thousand Cu. Ft.  
Rock Pressure 250# lbs. 24 hrs.  
Oil 10 bbls bbls., 1st 24 hrs.  
WELL ACIDIZED No  
WELL FRACTURED Halliburton Company, Weston.

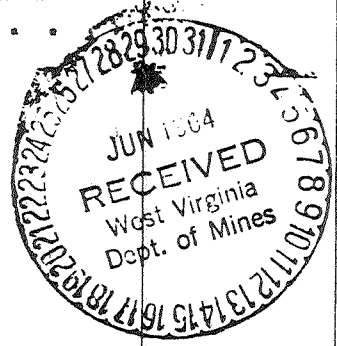
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			<u>none</u>
16			Kind of Packer _____
13			Size of _____
10			Depth set _____
8 3/4	<u>150'</u>	<u>150'</u>	Perf. top _____
6 3/4			Perf. bottom _____
5 3/16	<u>2425'</u>	<u>2425'</u>	Perf. top _____
3			Perf. bottom _____
2			Perf. top _____
Liners Used	<u>none</u>		Perf. bottom _____

CASING CEMENTED 2425' SIZE 4 1/2" No. Ft. 5/21/64 Date  
Lawson Cement Co.--Weston.

COAL WAS ENCOUNTERED AT None FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES

RESULT AFTER TREATMENT 900,000 thousand ft gas. 25 bbls oil every 24 hours  
ROCK PRESSURE AFTER TREATMENT 700 #  
Fresh Water 30' & 80' Feet Salt Water \_\_\_\_\_ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
clay	grey	soft	0	15	water		surface wat
sand	white	"	15	30			
red rock	red	soft	30	190			
clay	blue	"	190	250			
clay	red	"	250	260			
red rock	"	"	260	299			
Rock	white	hard	299	309			
slate	grey	"	309	325			
red rock	red	soft	325	345			
lime	white	hard	345	390			
red rock	red	soft	390	510			
shale&sand	"	"	510	730			
sand&lime	white	hard	730	860			
lime&shale	blk	hard	860	925			
shale	black	soft	925	1035			
sand&shale	"	soft	1035	1115			
shale	black	soft	1115	1260			
sand&shale	"	med.	1260	1310			
shale	black	soft	1310	1375			
hale & sand	"	soft	1375	1423			
sand	white	hard	1423	1435			
sand&shale	"	soft	1435	1450			
lime	white	hard	1450	1460			
shale	black	soft	1460	1495			
lime & shale	"	med	1495	1509			
sand & sh	"	"	1509	1560			
hale	black	soft	1560	1585			
slate	"	hard	1585	1630			
shale	dark	soft	1630	1850			
Lime	white	hard	1850	1880			



Formation	Color	Hard or Soft	Top 5	Bottom	Oil, Gas or Water	Depth Found	Remarks
shale	dark	soft	1880	1906			
sand	white	hard	1906	1945			
shale	dark	soft	1945	1990			
sand	white	hard	1990	2015			
shale	dark	soft	2015	2035			
sand	white	hard	2035	2070			
sandy shale	mix	soft	2070	2110			
shale	dark	soft	2110	2160			
sand	white	hard	2160	2185			
sandy-lime	white	hard	2185	2235			
red shale	red	soft	2235	2285			
limey sand	wht	hard	2285	2320			
limey shale	mix	hard	2320	2350			
limey sand	white	hard	2350	2380			
big-lime	white	hard	2380	2425			
	Moved in Cable tool rig						---T.D. For Rotary Rig. moved Rotary rig off & moved in cable tools at this depth. (After setting 4 1/2 pipe.)
SAND	Keener and Big Injun		2425	2483			
Sand	white	hard	2483	2485			---TOTAL DEPTH

Date June 23rd, 19 64

APPROVED R. WAYNE CHRISTENSON, Owner

By Homer Robinson  
Homer Robinson (Sup't.)