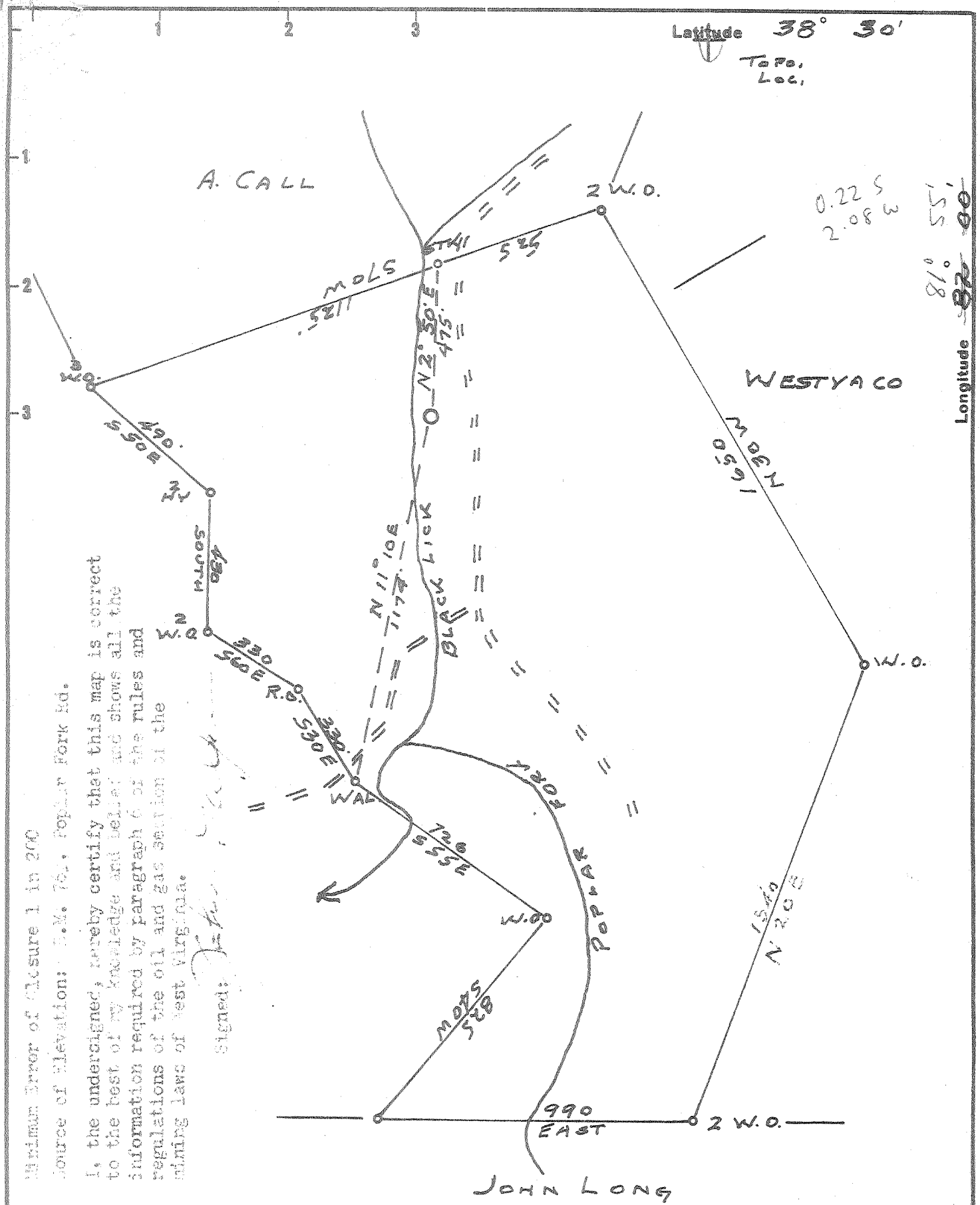


Latitude $38^{\circ} 30'$
 To Po.
 Loc.



0.22 S
 2.08 W

Longitude $81^{\circ} 55'$
~~87~~ 00

Minimum Error of Closure 1 in 200
 Source of Elevation: S.M. 751, Poplar Fork Rd.

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

Signed: *John Galpin*

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

Company V. C. SMITH II
 Address CHARLESTON, W. VA.
 Farm NANCY CALL HRS.
 Tract _____ Acres 98 Lease No. _____
 Well (Farm) No. 1 Serial No. C-1A
 Elevation (Spirit Level) 612
 Quadrangle ST. ALBANS - NW
 County POTNAM District SCOTT
 Engineer JOHN GALPIN
 Engineer's Registration No. 875
 File No. _____ Drawing No. _____
 Date JUNE 27 1966 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. Put-720

+ 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.

6-6-19 Deep Well



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 13

Rotary
Spudder
Cable Tools
Storage

Quadrangle St. Albans

WELL RECORD

Permit No. FUT-721

Oil or Gas Well Gas
(KIND)

Company V. C. Smith, II
Address 1901 Kanawha Valley Bldg., Charleston, W. Va.
Farm Nancy Call Heirs Acres 98
Location (waters) Poplar Fork
Well No. 1-C-14 Elev. 612
District Scott County Putnam
The surface of tract is owned in fee by Nancy Call Heirs
Address Winfield, W. Va.
Mineral rights are owned by Nancy Call Heirs
Address Winfield, W. Va.
Drilling commenced 7-28-66
Drilling completed 8-18-66
Date Shot Not Shot From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume 180 M Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer <u>Bottom</u>
13			<u>Hole Hook Wall</u>
10			Size of <u>5 1/2</u>
8 3/4	<u>49'</u>	<u>49'</u>	<u>2 x 5 1/2 x 16" HW</u>
6 3/4			Depth set <u>4296</u>
5 3/16	<u>1815.6</u>	<u>1815.6</u>	
3			Perf. top <u>None</u>
2		<u>4352.9</u>	Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 49 SIZE 8" No. Ft. 7-26-66 Date

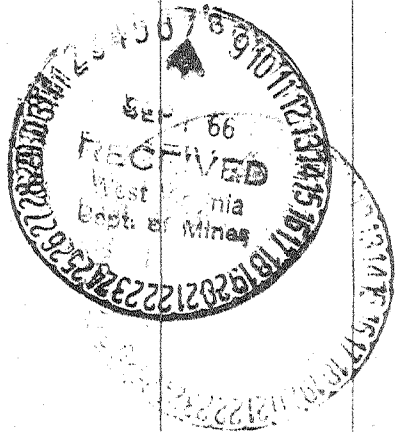
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface			0	2			
Gravel & Clay			2	6			
Blue Mud			6	8			
Gravel Bed			8	20			
Shale Blue Mixture			20	40			
Red Rock			40	45			
Blue Rock			45	50			
Sand Stone			50	55			
Blue Rock			55	75			
Red Rock			75	90			
Slate Blue			90	120			
Sand Stone			120	132			
Slate			132	170			
Coal			170	172			
Slate			172	230			
Red Rock			230	240			
Slate			240	406			
Sand			406	426			
Slate			426	708			
Sand			808	732			
Slate			732	800			
Sand			800	857			
Slate			857	1070			
Sand			1070	1476			
B. Lime			1476	1648			
Lime & Slate			1648	1685			
Slate			1685	1715			
Sand Injun			1715	1757			
Slate & Shells - Hard			1757	2170			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Brown Shale			2170	2187			
Berea			2187	2212	Small show oil on drill pipe		
Slate Shells			2212	3335			
Brown Shale			3335	3868			
Slate			3868	3945			
Brown Shale			3945	3960			
Slate			3960	4025			
Shale Marcellus			4025	4243			
Corniferous			4243	4368	Gas	4334	
TOTAL DEPTH				4368			

Date September 2, 1966

APPROVED _____

BY Matthew H. Smith Owner
(Title)