

MINIMUM ERROR OF CLOSURE 1' IN 200

SOURCE OF ELEVATION Ritchie Permit No 3087 Well No 1

Sloan & Mary Cooper 38 AC Elev. 975

New Location
 Drill Deeper
 Abandonment

9-17-74

"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."

Company Willard E Ferrell
 Address P.O. Box 5056 Philadelphia 11, Pa
 Farm James D. Smith & Richard T. Nell 5or.
 Tract 141.75 Acres 103.75 Lease No. _____
 Well (Farm) No. Two Serial No. _____
 Elevation (Spirit Level) 938.7
 Quadrangle Holbrook EC
 County Ritchie District Union
 Engineer H. F. Johnston
 Engineer's Registration No. 2492
 File No. _____ Drawing No. _____
 Date Feb 10, 1965 Scale 1" = 30 P

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

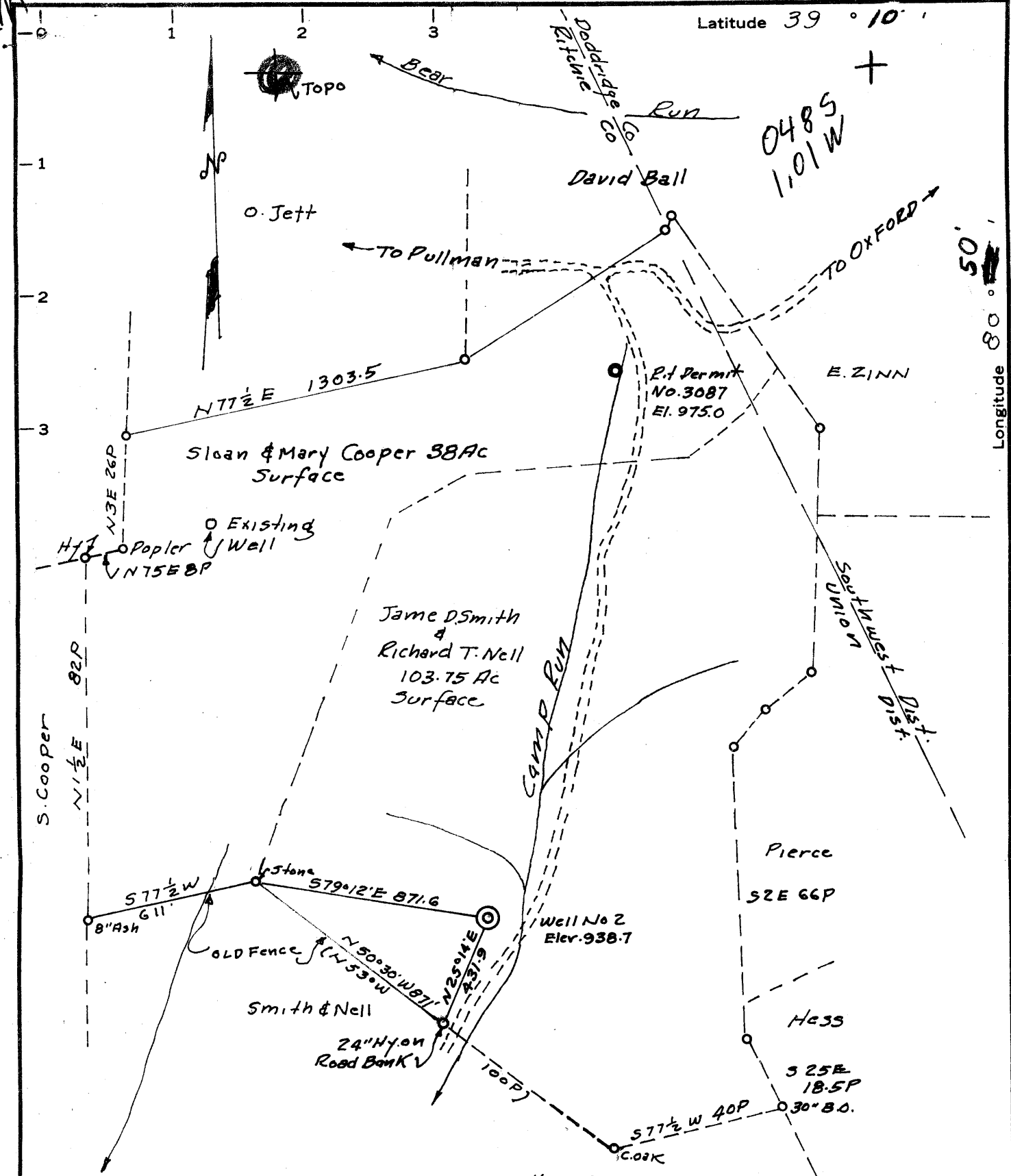
WELL LOCATION MAP
 FILE NO. Rit-3108-P

+ 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.

47 085

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

OCT 9 1974



MINIMUM ERROR OF CLOSURE 1' 17200

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STATE OF WEST VIRGINIA
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 CHARLESTON

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 FILE NO. Rit-3108

class: 6/
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6-6-132



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle _____

Permit No. Rit.3108

WELL RECORD

Oil or Gas Well Both

13

Company Willard E. Ferrell
Address Box 5056, Philadelphia, Pa.
Farm T. M. Griffin et ux Acres 141.75
Location (waters) _____
Well No. 2 Elev. 938.7'
District Union County Ritchie
The surface of tract is owned in fee by T. M. Griffin et ux
Address _____
Mineral rights are owned by _____
Address _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
8 1/4	475'		Depth set
6 5/8	1090'		
5 3/16	1829'	1829'	Perf. top
3		1835"	Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

Drilling commenced February 21, 1966
Drilling completed March 12, 1966
Date Shot _____ From _____ To _____
With _____
Open Flow 10/10ths Water in 2 Inch
_____ /10ths Merc. in _____ Inch
Volume 150M Cu. Ft.
Rock Pressure 220 lbs. 24 hrs.
Oil show - 3 bls after Freq. 1000s., 1st 24 hrs.
WELL ACIDIZED _____

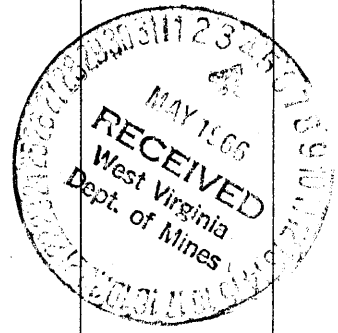
CASING CEMENTED 5-3/16 SIZE 200 No. Ft. 3/14 Date
30 bags cement
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

WELL FRACTURED 500 gal Acid 700 barrels water

RESULT AFTER TREATMENT Above results after treatment
ROCK PRESSURE AFTER TREATMENT 150M cuft
Fresh Water 775 Feet Salt Water _____ Feet

36665 oil/day 2 B.S. J.F. 4/14

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			0	14			
Sand			14	40			
Red Rock			40	150			
Slate			150	165			
Red Rock			165	190			
Slate & Shell			190	200			
Red Rock			200	230			
Slate & Shells			230	245			
Red Rock			245	335			
Slate & Shells			335	450			
Lime & Sand			450	495			
Slate & Lime			495	525			
Red Rock			525	570			
Slate & Shells			570	620			
Sand			620	640			
Lime			640	670			
Slate & Shells			670	710			
Black Slate			710	725			
Red Rock			725	755			
Sand			755	785			
Pink Rock			785	855			
Sand			855	888			
Black Slate			888	900			
Slate & Shells			900	1035			
Sand			1035	1095			
Slate			1095	1140			



Water 775 5 bailers/hr.

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			1140	1155			
Slate			1155	1165			
Sand & Lime			1165	1255	Water 1245'	1 bailer/hr.	
Slate			1255	1305			
Gritty Lime			1305	1320			
Sand			1320	1350			
Slate & Shells			1350	1365			
Sand			1365	1495			
Slate			1495	1575			
Sand			1575	1640			
Slate			1640	1667			
Sand			1667	1705			
Line			1705	1799			
Sand			1799	1813	Gas 1801'		
Brake			1813	1815			
Sand			1815	1817			
Brake			1817	1825			
Sand			1825	1880	Gas 1826 - 1842		
Shale			1880	1883	Show of oil 1834'		
		Total Depth		1883			

Date Apr. 30, 1966

APPROVED Richard E. Finner, Owner

By _____ (Title)