

MINIMUM ERROR OF CLOSURE $\frac{1}{500} \pm$
 SOURCE OF ELEVATION Well No. 1 (Ralph Wass) Elev. 721

New Location
 Drill Deeper
 Abandonment

"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 Long Run Development Co., R. J. Braden, Agt.
 Address Peoples Bank Bldg., Marietta, Ohio
 Farm Ralph Wass
 Tract 1 Acres 160 Lease No. _____
 Well (Farm) No. 23 Serial No. _____
 Elevation (Spirit Level) 789
 Quadrangle Harrisville EC
 County Ritchie District Murphy
 Engineer Parker E. Peters
 Engineer's Registration No. 485
 File No. _____ Drawing No. _____
 Date May 24, 1963 Scale 1" = 30 P.

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
 WELL LOCATION MAP
 FILE NO. RIT-2741

+ 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 27

Rotary
Spudder
Cable Tools
Storage

Quadrangle _____
Permit No. 2741-Ritchie

WELL RECORD

Oil or Gas Well Oil
(KIND)

Company Elden Oil & Gas
Address Peoples Bank Marshall Co.
Farm Ralph Haas Acres 155
Location (waters) South Fork Hughes River
Well No. 3 Elev. 789
District Murphy County Ritchie
The surface of tract is owned in fee by Ralph Haas
Workman Address W Va
Mineral rights are owned by Ralph Haas
etal Address Workman
Drilling commenced 4/12/64
Drilling completed 8/10/64
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.
WELL ACIDIZED _____
WELL FRACTURED See Attached.

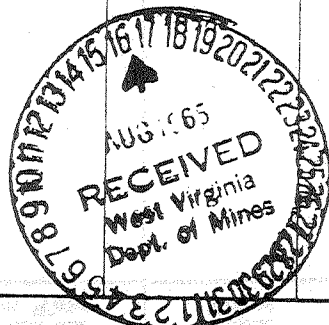
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer _____
16			
13	24	24	
10	300		Size of _____
8 1/4	975		
6 5/8			Depth set _____
5 3/16	1413	1413	
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

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

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

RESULT AFTER TREATMENT 25 bbls. oil
ROCK PRESSURE AFTER TREATMENT 460 lb
Fresh Water 125 Feet Salt Water None Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			0	20			
Red Rock			20	60			
Water 125 Slate			60	180			
Lime & Sand			180	210			
Red Rock			210	245			
Sand			245	300			
Slate			300	320			
Lime & Sand			320	360			
Red Rock			360	380			
Slate			380	390			
Red Rock			390	420			
Black Slate			420	450			
Slate & Shells			450	530			
Red Rock			530	560			
Slate			560	620			
Lime			620	640			
Red Rock			640	680			
Slate			680	700			
Red Rock			700	760			
Slate			760	805			
Red Rock			805	870			
Slate			870	875			
Show Gas Sand			875	915			
Black Slate			915	960			
Slate			960	1030			
Sand			1030	1200			
Slate			1200	1130			
Lime			1130	1190			
Sand			1190	1300			



Formation	Color	Hard or Soft	Top 27	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate			1300	1475			
Sand			1475	1505			
Slate & Shells			1505	1595			
Sand			1595	1650			
Slate			1650	1655			
Sand			1655	1700			
Little Line - Red Rock			1700	1790			
Parrot			1750	1755			
Big Line			1755	1840			
Sand			1840	1905			
Slate			1905	2100			
			Finished Drilling 2100				

Date Aug 11, 1965

APPROVED R. J. Braden, Owner

By Agent (Title)