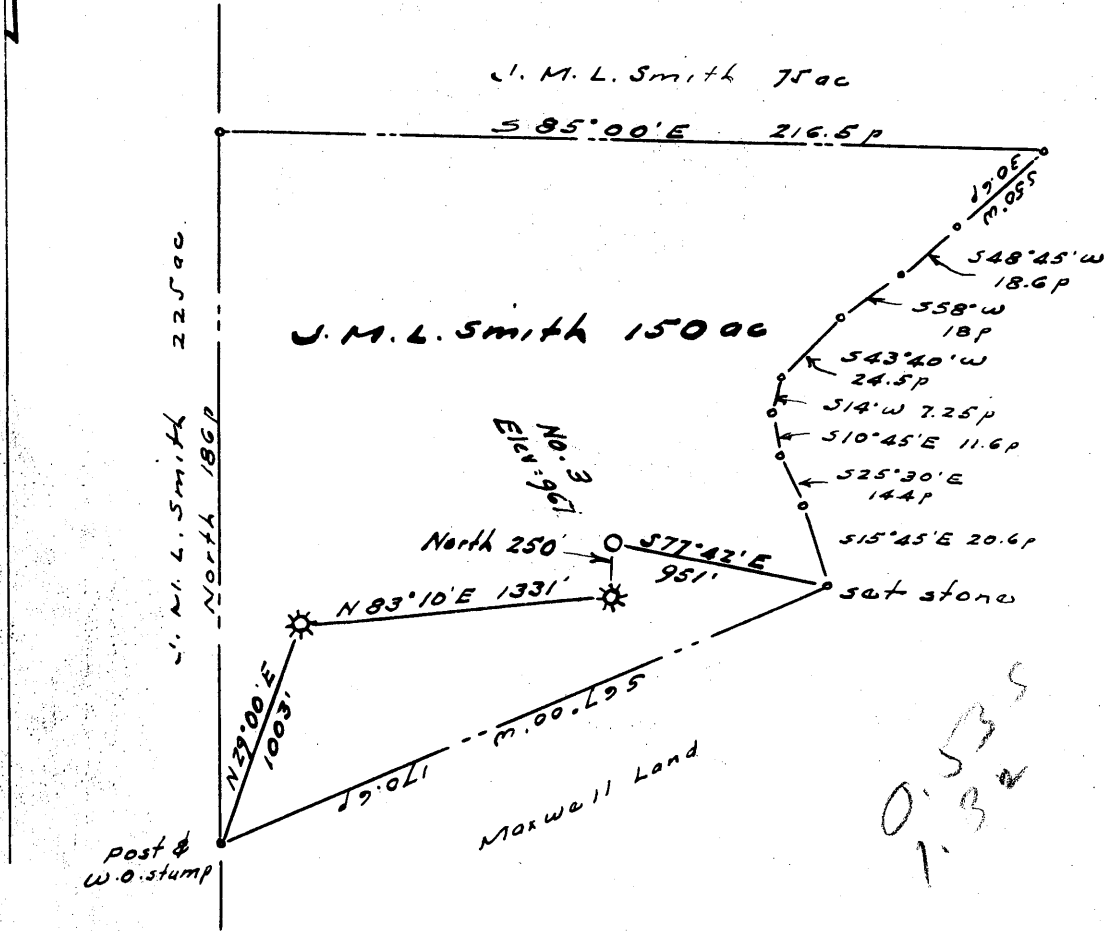


MA

Latitude 39° 20'

Longitude 80° 45'



Note:- Oil in Cow Run sand in No. 2 well. No. 3 to be drilled to Injun

New Location
 Drill Deeper
 Abandonment

Company Ray Blackwell
 Address Box 117, West Union, W. Va.
 Farm J. M. L. Smith et al
 Tract _____ Acres 150 Lease No. _____
 Well (Farm) No. Three Serial No. _____
 Elevation (Spirit Level) 967
 Quadrangle West Union SE
 County Doddridge District West Union
 Engineer Matthew J.
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date January 1962 Scale 1" = 50P

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

WELL LOCATION MAP
 FILE NO. Dod-711

+ 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 **6**

Quadrangle West Union

Permit No. 100-711

WELL RECORD

Oil or Gas Well Both
(KIND)

Company Blackwell & Pope
Address Box 117
Farm J.M.L. Smith Etal Acres 150
Location (waters) Piggin Run
Well No. 3 Elev. 967
District West Union County Doddridge
The surface of tract is owned in fee by Glen Wells
Address Sistersville
Mineral rights are owned by J.M.L. Smith
Et Al Address West Union
Drilling commenced 1-8-62
Drilling completed 2-8-62
Date Shot _____ From _____ To _____
With _____
Open Flow 120/10ths Water in _____ Inch
_____/10ths Merc. in _____ Inch
Volume 120000 Cu. Ft.
Rock Pressure 100 lbs. 24 hrs.
Oil None bbls., 1st 24 hrs.
WELL ACIDIZED 250 gallons

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10			Size of
8 1/2	<u>1200</u>	<u>0</u>	
6 1/2			Depth set
5 1/2	<u>2247</u>	<u>2247</u>	
3			Perf. top <u>2150</u>
2			Perf. bottom <u>2160</u>
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 5 1/2 SIZE 2247 No. Ft. 2-8-62 Date
85 sks. cement, 8 sks. aquagel HALLIBURTON

COAL WAS ENCOUNTERED AT none FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

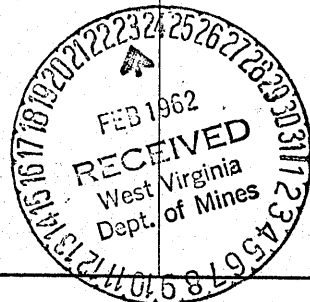
WELL FRACTURED with 3000 pounds sand and 3000 pounds fresh water.

RESULT AFTER TREATMENT 400000 cubic feet per day - 3 barrels oil

ROCK PRESSURE AFTER TREATMENT 350 pounds per square inch

Fresh Water none Feet _____ Salt Water none Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Shale			<u>1670</u>	<u>1680</u>			
Sand			<u>1680</u>	<u>1690</u>			
Shale			<u>1690</u>	<u>1748</u>			
Sand			<u>1748</u>	<u>1822</u>			
Shale			<u>1822</u>	<u>1826</u>			
Sand			<u>1826</u>	<u>1834</u>			
Shale			<u>1834</u>	<u>1845</u>			
Sand			<u>1845</u>	<u>1854</u>			
Shale			<u>1854</u>	<u>1857</u>			
Sand (Shaly)			<u>1857</u>	<u>1864</u>			
Shale			<u>1864</u>	<u>1878</u>			
Sand	<u>White & Grey</u>		<u>1878</u>	<u>1905</u>			
Shale	<u>Grey, Black & Brown</u>		<u>1905</u>	<u>1954</u>			
Sand		<u>Very Hard</u>	<u>1954</u>	<u>1956</u>			
Shale and Red Bed			<u>1956</u>	<u>2006</u>			
Shale			<u>2006</u>	<u>2032</u>			
Sand	<u>White</u>	<u>Very Hard</u>	<u>2032</u>	<u>2036</u>			



Formation	Color	Hard or Soft	Top 6	Bottom	Oil, Gas or Water	Depth Found	Remarks
Shale	Dark Grey		2036	2051			
Lime			2051	2134			
Sand	Grey	Very Hard	2134	2141			
Sand	White	Porous	2141	2170			
Shale	Black		2170	2183			
Sand	White	Slightly calcareous	2173	2180			
Shale	Black		2180	2184			
Sand	White	Hard	2184	2194			
Shale	Black & Dark Grey		2194	2200			
Sand	White	Coarse Grained	2200	2222			
Shale	Black		2222	2224			
Sand			2224	2226			
Shale			2226	2236			
Sand (Shaly)			2236	2246			
Shale Black			2246	2261			
Salt			1748	1822			
Maxton			1878	1905			
Blue Monday			2032	2036			
Pencil Cave			2050	2051			
Big Lime			2051	2134			
Keener			2134	2141			
Big Injun			2141	2226			

Date February 21, 1962

APPROVED Blackwell & Pope, Owner

By Ray Blackwell
(Title)