

New Location   
 Drill Deeper   
 Abandonment

Minimum Error of Closure 1 in 1000  
 Source of Elevation Elev. 689' ROAD INTERSECTION FOUR MILE Fk.

"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 JANFORD E. MCCORMICK  
 Address 530 COMMERCE SQUARE, CHARLESTON, WVA.  
 Farm IRA SIGMON ET AL.  
 Tract \_\_\_\_\_ Acres 86 Acs. Lease No. \_\_\_\_\_  
 Well (Farm) No. 1 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 873.85  
 Quadrangle CHARLESTON NE  
 County KANAWHA District ELK  
 Engineer N. L. Siefert  
 Engineer's Registration No. 1832  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 4-18-69 Scale 1" = 600'

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

**WELL LOCATION MAP**  
 FILE NO. Kan-2407

+ 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.

6-0 Cooper Creek 331

MAY 27 1969  
 Deep Well (Newburg)



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

Rotary   
Spudder   
Cable Tools   
Storage

Oil or Gas Well Dry Hole  
(KIND)

Quadrangle Charleston  
Permit No. KAN-2407

WELL RECORD

Company Sanford E. McCormick  
Address 530 Commerce Square, Charleston  
Farm Ira W. Sigmon Acres 86  
Location (waters) Four Mile Fork of Coopers Crk  
Well No. One Elev. 882' KB  
District Elk County Kanawha  
The surface of tract is owned in fee by Ira W. Sigmon  
Address Rt. 5, Charleston  
Mineral rights are owned by Ira W. Sigmon, et al  
Address Rt. 5, Charleston  
Drilling commenced June 7, 1969  
Drilling completed June 22, 1969  
Date Shot Not Shot

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
<u>13 3/8</u>	<u>248</u>	<u>248</u>	
<u>9 5/8</u>	<u>1804</u>	<u>1355</u>	Size of
<u>8 1/4</u>			Depth set
<u>7"</u>	<u>5719</u>	<u>1130</u>	
<u>5 3/16</u>			Perf. top
<u>4 1/2</u>			Perf. bottom
<u>3</u>			Perf. top
<u>2</u>			Perf. bottom
Liners Used			

Open Flow /10ths Water in Inch  
/10ths Merc. in Inch  
Volume Cu. Ft.  
Rock Pressure lbs. hrs.  
Oil bbls., 1st 24 hrs.  
WELL ACIDIZED (DETAILS) Not Acidized  
WELL FRACTURED (DETAILS) Not Fractured

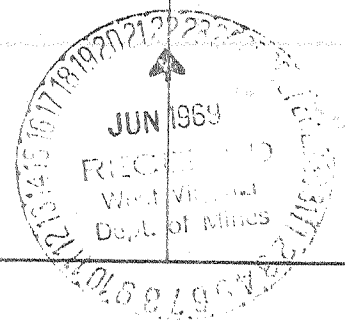
Attach copy of cementing record. See Reverse Side  
CASING CEMENTED SIZE No. Ft. Date  
Amount of cement used (bags)   
Name of Service Co.   
COAL WAS ENCOUNTERED AT FEET INCHES  
FEET INCHES FEET INCHES  
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.)  
ROCK PRESSURE AFTER TREATMENT HOURS  
Fresh Water 35' Feet Salt Water 1045' Feet  
Producing Sand Depth

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil & Boulders			0	35			
Sand & Shale			35	942			
Sandstone	<u>Soft</u>		942	1295			
Shale			1295	1350			
Sandstone			1350	1428			
Shale			1428	1453			
Maxon Sand			1453	1528			
Big Lime			1528	1724			
Shale			1724	1731			
Big Injun			1731	1774			
Shale			1774	1790			
Weir Sand			1790	1885			
Shale			1885	2169			
Coffee Shale			2169	2186			
Berea Horizon			2186	---			
Shale			2186	4740			
Lime, Sand & Shale			4740	5140			
Dolomite, Anhydrite & Sand			5140	5802			Shows of H <sub>2</sub> S Gas 5100-5300'
TOTAL DEPTH				5802			

McKenzie ?

882  
4920



Formation	Color	Hard or Soft	Top $\delta$	Bottom	Oil, Gas or Water	Depth Found	Remarks
<u>CEMENTING RECORD</u>							
		<u>Size</u>	<u>Depth</u>	<u>Amount</u>	<u>Company</u>		
		13 3/8"	248'	225 sx.	Dowell		
		9 5/8"	1804'	150 sx.	Dowell		
		7"	5719'	150 sx.	Dowell		

Date....., 19.....

APPROVED SANFORD E. MCCORMICK, Owner

By..... (Title)

Ralph G. Dodds  
District Manager