

MINIMUM ERROR OF CLOSURE $\frac{1}{500}$

SOURCE OF ELEVATION Junction of roads 1/2 mile southwest of location Elev. 1048

- 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 Frances Friestad
 Address 1104 Campas Hill Road, Rockford, W.V.
 Farm David D. Ball
 Tract _____ Acres 120 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 992
 Quadrangle Holbrook-NC
 County Doddridge District Southwest
 Engineer Parker E. Peters
 Engineer's Registration No. 485
 File No. _____ Drawing No. _____
 Date Apr. 19, 1966 Scale 1" = 30P.

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

WELL LOCATION MAP
 FILE NO. DOD-1381

+ 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

Rotary
Spudder
Cable Tools
Storage

Quadrangle Holbrook

WELL RECORD

Oil or Gas Well GAS
(KIND)

Permit No. DOD.- 1381

Company <u>FRANCIS M. FRIESTAD</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>1104 Campus Hills Blvd. Rockford, Ill.</u>	Size			
Farm <u>David Ball</u> Acres <u>120</u>	16			Kind of Packer
Location (waters) <u>Bear Run</u>	13	23'	23'	
Well No. <u>One (1)</u> Elev. <u>992'</u>	10	456'	XX	Size of
District <u>Southwest</u> County <u>Doddridge</u>	8 1/4	1160'		Depth set
The surface of tract is owned in fee by <u>D.D. Ball</u>	6 3/4			
Address <u>Oxford, W. Va.</u>	5 3/16			
Mineral rights are owned by <u>Same</u>	4 1/2	2045'	2045'	
Address	3			Perf. top <u>1963</u>
Drilling commenced <u>6-4-66</u>	2			Perf. bottom <u>1969</u>
Drilling completed <u>7-2-66</u>	Liners Used			Perf. top <u>1992</u>
Date Shot <u>none</u> From To				Perf. bottom <u>1994</u>
With				

Attach copy of cementing record.

Open Flow /10ths Water in _____ Inch
 /10ths Merc. in _____ Inch
 Volume 300 m Cu. Ft.
 Rock Pressure unknown lbs. hrs.
 Oil none bbls., 1st 24 hrs.
 WELL ACIDIZED (DETAILS) none
 WELL FRACTURED (DETAILS) 42,000 gals. water, 36000 # sand, 1540 hhp (31.8 bpm at 1900)

CASING CEMENTED 4 1/2 SIZE 350 No. Ft. 6/30/66 Date

Amount of cement used (bags) 75 w/ 2% CaCl₂

Name of Service Co. Dowell (1-12-9990)

COAL WAS ENCOUNTERED AT none FEET _____ INCHES

FEET _____ INCHES FEET _____ INCHES

FEET _____ INCHES FEET _____ INCHES

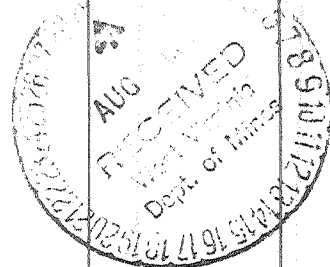
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 5,000 mcf

ROCK PRESSURE AFTER TREATMENT 740 HOURS 18

Fresh Water none recorded Feet _____ Salt Water Feet _____

Producing Sand Big Injun Depth 1962-2027

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
top soil			0	1			
red rock			1	22			
sand	yellow		22	27			
clay			27	70			
red rock			70	159			
lime			159	175			
sand			175	205			
red rock			205	230			
sand			230	258			
redr rock			258	262			
sand			262	309			
slate			309	315			
red rock			315	320			
sand			320	340			
lime			340	410			
sand			4k0	450			
red rock & slate			450	545			
lime			545	560			
red rock			560	570			
slate & shells			570	680			
red rock			680	759			
sand			759	790			
lime			790	810			
red rock			810	830			
slate & lm shells			830	860	O-V-E-R		



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
sand			860	885			
red rock & lm. shells			885	924			
sand			924	997			
sand			997	1012	oil	997-1012	
slate	black		1012	1046			
lime			1046	1052			
sand			1052	1080			
slate & shells			1080	1102			
sand			1102	1140			
slate & lime			1140	1150			
sand			1150	1204			
slate			1204	1214			
sand			1214	1269			
slate			1269	1275			
sand			1275	1293			
slate & shells			1293	1325			
sand			1325	1425	o&g	1346-54	
slate & lm. shells			1425	1450			
lime			1450	1499			
slate			1499	1515			
sand			1515	1665	oil	1530-40	
slate & shells			1665	1865			
sand			1865	1877	oil	1870-77	
lime	Big Lime		1877	1952	gas	1942-52	Big Lime
sand	Big Injun		1952	2030	gas	1962-70	w36/10 Injun(2"
shale			2030	2044			
TD			2044				

Date 8-24-66, 19__

APPROVED Francis M. Friestad, Owner

By [Signature] (Title) Consultant