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WV Department of
Environmental Protection

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: AUGUST 25, 2011
API #: 087-04675

Farm name: FRED SMITH Operator Well No.: #22

LOCATION: Elevation: 1117 Quadrangle: NEWTON

District: GEARY County: ROANE
Latitude: 4500 Feet South of 38 Deg. 37 Min. 30 Sec.
Longitude 13350 Feet West of 81 Deg. 07 Min. 30 Sec.

Company:

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
KRAKROW, INC. PO BOX 1007, SPENCER, WV 25276	10"	17'	17'	
Agent: JON R. HILDRETH	8 1/4"	468'	468'	TO SURFACE
Inspector: ED GAINER	6 5/8"	1858'	1858'	TO SURFACE
Date Permit Issued: 10/6/09	4 1/2"	2069'	2069'	CEMENT 40 BAGS
Date Well Work Commenced: 11/17/09				1800' - 1970'
Date Well Work Completed: 6/14/10				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig				
Total Vertical Depth (ft):				
Total Measured Depth (ft): 2069'				
Fresh Water Depth (ft.): 110'				
Salt Water Depth (ft.): 1300'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): N/A				
Void(s) encountered (N/Y) Depth(s)				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation BIG INJUN Pay zone depth (ft) _____
Gas: Initial open flow SHOW MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 100 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Ray B. Hildreth
Signature

8/25/11
Date

Were core samples taken? Yes _____ No

Were cuttings caught during drilling? Yes No _____

Were Electrical, _____ Mechanical, _____ or Geophysical logs recorded on this well?
Y/N Y/N Y/N

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

OPEN HOLE @ 2010' - 2050'

CEMENTED ON TOP OF PACKER @ 1970'

FRAC 1600 GALLON ACID

43000 LB OF 20/40 SAND

700 BRL OF CROSS LINK FRAC

Formations Encountered: _____ Top Depth _____ / _____ Bottom Depth _____
Surface: _____

SEE ATTACHED ORIGINAL LOG

Completed June 9 1927

FERD SMITH # 22.

RED ROCK	0	110
SAND	110	120
RED ROCK & LIME	120	375
DUNKARD SAND	375	438
SLATE	438	438
SAND	438	559
LIME	559	579
SLATE	579	590
SAND	590	730
SLATE	730	810
SAND	810	860
SLATE	860	875
SAND	875	952
SLATE	952	958
SAND	958	976
SLATE	976	1120
SAND	1120	1139
SLATE	1139	1170
SAND	1170	1190
SLATE	1190	1302
SALT SAND	1302	1700
SLATE	1700	1710
LIME	1710	1725
MAXON SAND	1725	1775
SLATE	1775	1784
RED ROCK	1784	1792
LITTLE LIME	1792	1824
SLATE	1824	1832
LIME SHELL	1832	1835
PENCIL CAVE	1835	1840
BIG LIME	1840	1990
GRITTY LIME	1990	2034
INJUN SAND	2034	2074
SLATE BREAK	2046	2049
SAND	2049	2074
SLATE	2074	2080
TOTAL DEPTH		2086

RUN 3" TUBING 6-9-27
 PERFORATION 2036 2080
 PACKER SET AT 1992 (LARKIN ANCHOR)
 ROCK PREAS. 18HRS. 450 LBS.

- 150 ft.
 44 ft.
 40 ft.

GAS IN GRITTY	2015	2018
GAS FROM	2050	2057
HARD SHELL	2057	2062
SHOW OIL	2062	2065

GAS TEST WHEN DRILLED IN
 1 1/2 IN. WATER-IN 2" M.

WHEN SHUT IN. 1 6/10 M. IN 3"

10" CASING	17'
8 1/4" "	458'
6 5/8" "	1353'

DRILLERS:
 FRANCIS GILL & CLARK DYE

R #344

WELL #22 E B & C NEWTON

87-04675W

FARM: Fred Smith

COUNTY: Roane

STATE: West Va.

STARTED:

FINISHED: June 9, 1927

ELEVATION: 1128'

STRATA	TOP	BOTTOM	REMARKS
Red Rock	0	110'	
Sand	110	120	
Red Rock & Lime	120	375	
Dunkard Sand	375	468	
Slate	468	486	
Sand	486	559	Pottsville
Lime	559	579	
Slate	579	590	
Sand	590	780	
Slate	780	810	
Sand	810	860	
Slate	860	875	
Sand	875	952	
Slate	952	958	
Sand	958	976	
Slate	976	1120	
Sand	1120	1132	
Slate	1132	1170	
Sand	1170	1190	
Slate	1190	1302	
Salt Sand	1302	1700	
Slate	1700	1710	
Lime	1710	1725	
Taxon Sand	1725	1775	
Slate	1775	1784	
Red Rock	1784	1792	
Little Lime	1792	1824	
Slate	1824	1832	Gas in Gritty 2015' 2018'
Lime Shell	1832	1835	Gas 2050' 2057'
Pencil Cave	1835	1840	Hard Shell 2057' 2062
Big Lime	1840	1990	Show Oil 2062 2065
Gritty Lime	1990	2034	Gas test when drilled in
Injun Sand	2034	2046	11" # - 2"
Slate Break	2046	2049	When Shut in 16/10M-3"
Sand SQUAW	2049	2074	Tubing run 6/9/27
Slate	2074	2080	Perforation 2036 2080
Bottom of Hole		2080	Larkin Anchor Packer at 1892 -
			Rock Pressure 18 Hrs 450#

CASING: 18' 10" 32#
 468' 8 1/4" 24#
 1858' 6 5/8" 20#

DRILLERS Clark Dye, Francis Gill.

Dec. 6, 1934: Rigged up and parted tubing 9 jts down and 50 jts down.
 Tubing all pulled. Treatment 100# Carbide. Little effect.

Jan 22, 1935 Shot 20 qts. ~~Bridge 14' - 5' shot 5' Anchor - 7' shot.~~
~~ten quarters in each shell~~

Shot from 2050 to 2057 - 10 qts

" " 2061 to 2066 - 10 qts

2" Oil Tubing
 2103' 1/2" 20#
 01/27/2012

Handwritten initials

July 15, 1952. Bailed until afternoon, when the line pulled off the
reel and left all in the hole. 17th purchased a 1/4 x 3000' sand line
and hogged out all but about twenty feet of old line with a grab.
Trouble with the wico and could not run tractor. 22nd Tractor repaired
and changed to rope knife. Ran it several times and hooked onto what
seemed to be the top of shot hole. After several runs, pulled out
balance of old line. Ran impression block but but could get nothing
but what looked like the side of the bailer. Shut the well in.

1958 Rebuilt Band Wheel and reset in Co ncrete