



Minimum Error of Closure 1 in 200'

Source of Elevation Elev. Well No 46-A - 1087

- Fracture.....
- 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.

Signed: [Signature]
 Squares: N S E W

Company DILMUR OIL CO.
 Address P.O. Box 872 Nacherth, Penna.
 Farm Porter Maxwell's Heirs
 Tract _____ Acres 1400 Lease No. _____
 Well (Farm) No. 51-A Serial No. _____
 Elevation (Spirit Level) 1083
 Quadrangle Halbrook, NE
 County Doddridge District New Milton
 Engineer [Signature]
 Engineer's Registration No. 1727
 File No. _____ Drawing No. _____
 Date June 21, 1970 Scale 1" = 40 p = 660'

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

WELL LOCATION MAP

FILE NO. 000 - 1603

+ 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.

D 6-6 Straight Fork-Bluestone Cr. 133

39-15
3-25



MAY 3 1971

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

OIL & GAS DEPT. OF MINES
Rotary
Spudder
Cable Tools
Storage
Oil or Gas Well **Gas**
(KIND)

Quadrangle Halbrook
Permit No. Dodd-1603

WELL RECORD

Company Dilmur Oil Co.
Address P.O. Box 372 Narberth, Penn. 19072
Farm Porter Maxwell Acres 1400
Location (waters) Lick Run
Well No. 51A Elev. 1083
District New Milton County Doddridge
The surface of tract is owned in fee by P. Maxwell Heirs
Address West Union, W.Va.
Mineral rights are owned by P. Maxwell Heirs
Address West Union, W.Va.
Drilling commenced December 10, 1970
Drilling completed January 20, 1971
Date Shot From To
With

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16	18	18	
13			
10	370	370	Size of
8 1/4	1088		Depth set
6 5/8			
5 3/16			
4 1/2	2040	2040	Perf. top
3			Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

Open Flow 21 /10ths Water in One Inch
/10ths Merc. in _____ Inch
Volume 48,000 Cu. Ft.
Rock Pressure Not Taken lbs. _____ hrs.
Oil None bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) _____
WELL FRACTURED (DETAILS) 500-BBL. Water, 250 Gal. Acid, 8,000 lbs. sand.

Attach copy of cementing record.
CASING CEMENTED 4 1/2" & 10" No. Ft. 1-21-71 Date
Amount of cement used (bags) 100 Bags
Name of Service Co. Reddy Cement Co.
COAL WAS ENCOUNTERED AT NONE FEET _____ INCHES
FEET _____ INCHES FEET _____ INCHES
FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT (Initial open flow or bbls.) 125,000
ROCK PRESSURE AFTER TREATMENT 610 HOURS 24
Fresh Water 166 ft. Feet Salt Water None Feet
Producing Sand Big Injun Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay	Y	soft	0	17			
Line	G	Med.	17	30			
Slate	G	Soft	30	45			
Red Rock	R	"	45	140			
Sand	W	Hard	140	175	Water	166	
Red Rock	R	Med.	175	240			
Slate	G	"	240	250			
Red Rock	R	Hard	250	270			
Line	W	"	270	294			
Pink Rock	P	Med.	294	307			
Sand	W	"	307	316			
"	G	"	316	325			
Red Rock	R	"	325	360			
Line	G	Hard	360	365			
Sand	W	"	365	410	Show Gas	370	
Line	W	"	410	444			
Pink Rock	P	Med.	444	448			
Line	G	Hard	448	456			
Red Rock	R	Med.	456	460			
Line	G	Hard	460	480			
Pink Rock	P	Med.	480	500			
B. Line	G	"	500	515			
Slate	G	"	515	522			
Line	G	Hard	522	605			
" Shells	G	Med	605	615			
Line	G	Hard	615	635			
Red Rock	P	Med.	635	650			
B. Line	G	"	650	673			
Pink Rock	P	"	673	714			

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime	G	Hard	714	750			
Sand	W	"	730	755			
Red Rock	R	Med.	755	778			
Lime	G	Hard	778	825			
S. Shell	B	Soft	825	845			
Lime	G	Hard	845	908			
Sand	W	"	908	915			
Lime	G	"	925	945			
B. Lime	G	Med.	945	965			
Lime	G	Hard	965	1015			
G. Lime	G	"	1015	1029			
Shale	G	Med.	1029	1050			
Lime	G	Hard	1050	1065			
Sand	W	"	1065	1075			
Lime	G	"	1075	1167			
Sand	W	"	1167	1197			
B. Lime	G	"	1197	1215			
G. Lime	G	"	1215	2223			
B. Lime	G	Med.	1223	1268			
Slate	B	Soft	1268	1297			
Lime	G	Hard	1297	1325			
Shells	G	Med	1325	1385			
Sand	W	Hard	1385	1423			
Shells	G	Med.	1423	1447			
G. Lime	G	Hard	1447	1457			
Slate	G	Soft	1457	1487			
L. Shells	G	Hard	1487	1588			
Sand	G	"	1588	1655	Show Gas	1613-1618	
Slate	G	Med.	1655	1700			
Shells	G	"	1700	1730			
P. Rock	P	"	1730	1737			
Shells	G	"	1737	1760			
Lime	G	Hard	1760	1767			
P. Rock	R	Soft	1767	1812			
Lime	G	Hard	1812	1850			
Sand	G	"	1850	1856	Blue Monday	Show Oil	1850-1856
Slate	G	Med.	1856	1857			
Lime	G	Hard	1857	2005			
Sand	W	"	2005	2014	Show Gas	2009	
Slate	B	Soft	2014	2030			
Lime	G	Hard	2030	2046			

Big Indiana

Date 4/15/71, 19

APPROVED Dilmur Oil Company, Owner

By T.M. Dillard
T.M. Dillard (Title) President