



PORTER MAXWELL'S HRS.

Minimum Error of Closure 1 in 200'

Source of Elevation Elevation, 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: *W. H. J.*
 Squares: N S E W

Map No. _____

Company DILMUR OIL CO.
 Address P.O. Box 372, Narberth, Penna.
 Farm Porter Maxwell's Heirs
 Tract _____ Acres 1400 Lease No. _____
 Well (Farm) No. 50-A Serial No. _____
 Elevation (Spirit Level) 866
 Quadrangle Halbrook NE
 County Doddridge District New Milton
 Engineer *W. H. J.*
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date June 20, 1970 Scale 1" = 40 p. 660'

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

WELL LOCATION MAP

FILE NO. DOD-1593

+ 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 4

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle Halbrook
DOD-
Permit No. 1593

WELL RECORD

Oil or Gas Well **Gas**
(KIND)

Company Dilmur Oil Co.
 Address Rex 372, Narberth, Penna.
 Farm Porter Maxwell Acres _____
 Location (waters) Lick Run
 Well No. 50-A Elev. 866
 District New Milton County Doddridge
 The surface of tract is owned in fee by _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13	13	13	
10	222	222	Size of
8 1/4	891		
6 3/8			Depth set
5 3/16			
4 1/2	1831	1831	Perf. top
3			Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

Mineral rights are owned by Maxwell Heirs.
 Address West Union, W.Va.
 Drilling commenced July 20, 1970
 Drilling completed August 28, 1970
 Date Shot _____ From _____ To _____
 With _____
 Open Flow 30 /10ths Water in _____ 1" Inch
 _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock Pressure Net Taken lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.

Attach copy of cementing record.
 CASING CEMENTED 4 1/2 SIZE 1831 No. Ft. _____ Date _____
 Amount of cement used (bags) _____
 Name of Service Co. _____
 COAL WAS ENCOUNTERED AT NONE FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES

WELL ACIDIZED (DETAILS) _____
 WELL FRACTURED (DETAILS) 625-BBL. Water, 250 Gal. Acid, 24,000 Lbs. Sand
 RESULT AFTER TREATMENT (Initial open Flow or bbls.) 5,219 M.
 ROCK PRESSURE AFTER TREATMENT 625 HOURS 24
 Fresh Water 65 Feet _____ Salt Water _____ Feet _____
 Producing Sand Big Injun Depth 1755-1800

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Red Rock	R	S	0	25	Water	65	
Slate	G	S	25	60			
Lime	G	H	60	85			
Pink Lime	R	S	85	95			
Lime	G	H	95	150			
Red Rock	R	S	150	217			
Shale	G	M	217	225			
Lime	M	H	225	235			
Red Rock	M	M	235	275			
B. Lime	G	M	275	300			
Lime	G	H	300	330			
Shale	G	M	330	400			
Lime	G	M	400	435			
Red Rock	R	S	435	455			
B. Lime	G	M	455	468			
Pink Rock	P	S	468	534			
Sand	W	H	534	555			
Red Rock	R	S	555	590			
Slate	G	M	590	608			
Lime	G	H	608	613			
Slate	B	M	613	648			
Lime	G	H	648	700			
Sand	W	H	700	733			
Slate	G	M	733	768			
G. Lime	G	H	768	821			
Slate	B	S	821	856			

NOV 9 1970

Formation	Color	Hard or Soft	Top 4	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand	W	H	856	866			
Lime	G	H	866	900			
Sand	G	H	900	906			
Lime	G	M	906	965			
Sand	G	H	965	993			
B. Lime	G	M	993	1020			
L. Shells	G	M	1020	1127			
Sand	G	M	1127	1155			
G. Lime	G	H	1155	1170			
Sand	G	H	1170	1223			
Lime	G	M	1223	1233			
L. Shells	G	H	1233	1243			
Shale	B	M	1243	1273			
L. Shells	G	M	1273	1378			
Sand	W	H	1378	1460	Show Oil	1378-1383	
Slate	B	S	1460	1485	Gas	1446-1448	30,000
G. Lime	G	H	1485	1500			
Slate Shell	G	M	1500	1596			
Pink Reck	P	M	1596	1603			
Lime	G	H	1603	1619			
L. Lime	B	H	1619	1650			
Lime Shell	G	H	1650	1655			
Sand B.M.	G	H	1655	1660			
Big Lime	W	H	1660	1755			
Injun Sand	W	M	1755	1800			
Shale	G	M	1800	1831	Gas	1763	

Date September 23, 1920

APPROVED D. J. Mur Oil Co., Owner

By J. H. Williams
 (Title)