

- 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: Paul S. Dean

Map No. Squares: N S E W

Company STYDANAR OIL & GAS CO.
 Address 116 S. 5TH STREET, CLARKSBURG, W.VA.
 Farm WM. DENNIS WARD & JOSEPHINE B. STUART
 Tract A Acres 55 of 165 Lease No. _____
 Well (Farm) No. ONE Serial No. _____
 Elevation (Spirit Level) 1160
 Quadrangle PHILIPPI NW
 County HARRISON District ELK
 Engineer Paul H. Dean
 Engineer's Registration No. 1856
 File No. 126-8-28 Drawing No. 66-39
 Date APRIL 26, 1966 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. HAR-426

+ 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 Pilippi
Permit No. Har-426

WELL RECORD

Oil or Gas Well (KIND)

Company Stydahar Oil & Gas Co.
Address 116 S., 5th. St. Clarksburg, W. Va.
Farm Wm. Dennis Ward Acres 55
Location (waters) Elk Creek
Well No. 1 Elev. 1160
District Elk County Harrison
The surface of tract is owned in fee by Wm. Dennis Ward
Address Rt. 1 Mt. Clare, W. Va.
Mineral rights are owned by Wm Dennis Ward,
Josephine Stuart Address Rt. 1, Mt. Clare, W. Va.
Drilling commenced June 1, 1966
Drilling completed Aug. 14, 1966
Date Shot From To

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16	16	16	
13	210		Size of
10	949		Depth set
8 1/4	1562	949	Perf. top <u>4367</u>
5 3/16		4475	Perf. bottom <u>4370</u>
4 1/2			Perf. top
3			Perf. bottom
2			
Liners Used			

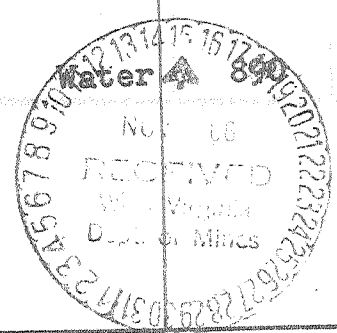
With
Open Flow 12/10ths Water in 2 1/2 Inch
/10ths Merc. in _____ Inch
Volume 169,000 Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.

Attach copy of cementing record.
CASING CEMENTED 4 1/2 SIZE 700 No. Ft. 8/25/66 Date
Amount of cement used (bags) 225
Name of Service Co. Garaton Service, Inc.
COAL WAS ENCOUNTERED AT 286 FEET 48 INCHES
697 FEET 36 INCHES FEET INCHES

WELL ACIDIZED (DETAILS)
WELL FRACTURED (DETAILS) 9/3/66 Dowell 67,000 gal. water, 80,000 sand,
500 gal. M. A., 30 gal. Freflo.

FEET INCHES FEET INCHES
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 8,000,000 cu ft
ROCK PRESSURE AFTER TREATMENT 1,600 HOURS 20
Fresh Water 176 Feet Salt Water 890 Feet
Producing Sand Benson Depth 4344

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface	Brown	soft	0	12			
Sand	Yellow	Hard	12	25			
Shale	Red	Soft	25	37			
Sand	White	Hard	37	80			
Shale	Gray	Soft	80	115			
Shale	Red	"	115	157			
Shells	Gray	Hard	157	216	Water	176	6 Blr. Hr
Shale	Red	Soft	216	218			
Lime	Gray	Hard	218	238			
Shale	"	Soft	238	286			
Coal	Black	"	286	290			
Shale	Gray	"	290	476			
Sand	White	Hard	476	562			
Shells	Gray	"	562	640			
Sand	"	"	640	648			
Shells	"	"	648	697			
Coal	Black	Soft	697	700			
Sand	White	Hard	700	763			
Shells	GRAY	"	763	834			
Shale	"	Soft	834	856			
Shells	"	Hard	856	881			
Sand	White	"	881	890	Water		4 Blr. Hr
Lime	Gray	"	890	891			
Sand	White	"	891	945			
Shells	Gray	"	945	1027			
Sand	White	"	1027	1170			
Shale	Red	Soft	1170	1292			
Shells	Gray	Hard	1292	1330			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand	Gray	Hard	1330	1371			
Shale	Red	Soft	1371	1432			
Lime	Gray	Hard	1432	1460			
Shale	Red	Soft	1460	1500			
Lime	Gray	Hard	1500	1590			
Sand	Brown	Hard	1590	1630	Oil, Gas	1595	Show
Sand	"	Hard	1630	1676			
Shale	Gray	Soft	1676	1857			
Lime	"	Hard	1857	1893			
Sand	Gray	"	1893	1925			
Shale	"	Soft	1925	2127			
Shells	"	Hard	2127	2728			
Lime	"	"	2728	3030			
Shells	"	"	3030	4344			
Sand	Brown	"	4344	4366	Gas	4350	169,000
Shale	Gray	Soft	4366	4439		4377	

Date Nov. 11, 1966

APPROVED Hydrex Oil and Gas Co., Owner

L. T. Crawford
(Title)
Field Superintendent