

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 JOSEPH H. CUTLIP
 Address 60 WILLOWBROOK DR., PARKERSBURG, W.VA.
 Farm MARY HILEY
 Tract _____ Acres 64 1/4 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 848.0'
 Quadrangle WEST UNION, W.VA. - SF
 County DODDRIDGE District CENTRAL
 Engineer Warren S. Frank
 Engineer's Registration No. 3688
 File No. _____ Drawing No. _____
 Date AUGUST 13, 1966 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. DOD-1402

+ 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 5

Rotary
Spudder
Cable Tools
Storage

Quadrangle
Permit No. DOD-1402

WELL RECORD

Oil or Gas Well O. & G.
(KIND)

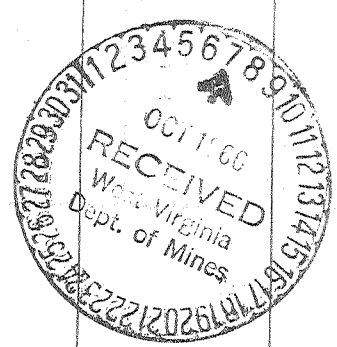
Company Joseph H. Cutlip
Address 60 Willowbrook Dr. Parkersburg, W. Va.
Farm Mary Hiley Acres 64
Location (waters) Arnold's Creek
Well No. 1 Elev. 848'
District Central County Doddridge
The surface of tract is owned in fee by Wilson Hiley
Address West Union, W. Va.
Mineral rights are owned by Mary Hiley & Joseph H. Cutlip
West Union & Parkersburg, W. Va.
Drilling commenced 8-16-66
Drilling completed 9-16-66
Date Shot From To
With

Casing and Tubing Size	Used in Drilling	Left in Well	Packers
16			Kind of Packer
13 <u>47</u>	<u>47</u>	<u>47</u>	
10	<u>327</u>		Size of
8 1/4	<u>1010</u>		Depth set
6 1/2			
5 3/16			Perf. top
4 1/2	<u>1965</u>	<u>1965</u>	Perf. bottom
3			Perf. top
2			Perf. bottom
Liners Used			

Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume 100,000 Cu. Ft.
Rock Pressure 600# lbs. 24 hrs.
Well Acidized (DETAILS)
Well Fractured (DETAILS) 25,000 lbs. sand, 738 bbls. water, 500 gal. acid, 1000# beads
Result After Treatment (Initial open Flow or bbls.) Approx. 400,000 cu. ft. & 25 - 30 bbls. oil.
Rock Pressure After Treatment 600#
Fresh Water 190' Feet 3 Bailer /hr. HOURS 24
Producing Sand Injum Salt Water 3 bailers /hr Feet 1591'
Depth 1802 - 1934

Attach copy of cementing record.
CASING CEMENTED 4 1/2" SIZE 378 No. Ft. 9-18-66 date
Amount of cement used (bags) 70
Name of Service Co. Lawson Oilwell Cementing Co.
COAL WAS ENCOUNTERED AT NONE FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
ay	Yellow		0	17			
nd			17	50			
d Rock			50	72			
nd	White		72	95			
d Rock			95	120			
nd	White		120	152			
d Rock			152	208			
ate			208	240			
d Rock			240	322			
ate			322	400			
nd			400	414			
ate &							
ne			414	579			
i Rock			579	584			
ne			584	726			
ate			726	824			
nd			824	861			
ate			861	975			
nd			975	1016			
ne			1016	1135			
nd			1135	1181			
ate			1181	1308			
nd			1308	1355			
ate			1355	1401			
ne			1401	1470			
nd			1470	1497			
ate			1497	1508			
nd			1508	1574			



Formation	Color	Hard or Soft	Top 5	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate			1574	1580			
Sand			1580	1605			
Slate			1605	1677			
Little Lime	Red Rock		1677	1698			
Slate	Little Lime		-1698	1722			
Big Line	Slate		1722	1733			
Big Line			-1733	1802			
Keener Sand		Soft	1802	1852	Oil & Gas	1802-35	
Injun Sand			1852	1917	Oil & Gas	1850-	
Slate			1917	1927		1933	
Squaw			1927	1937			
Slate			1937	1965			

Date September 28, 1966

APPROVED Joseph H. Cutlip, Owner

By Joseph H. Cutlip
(Title)