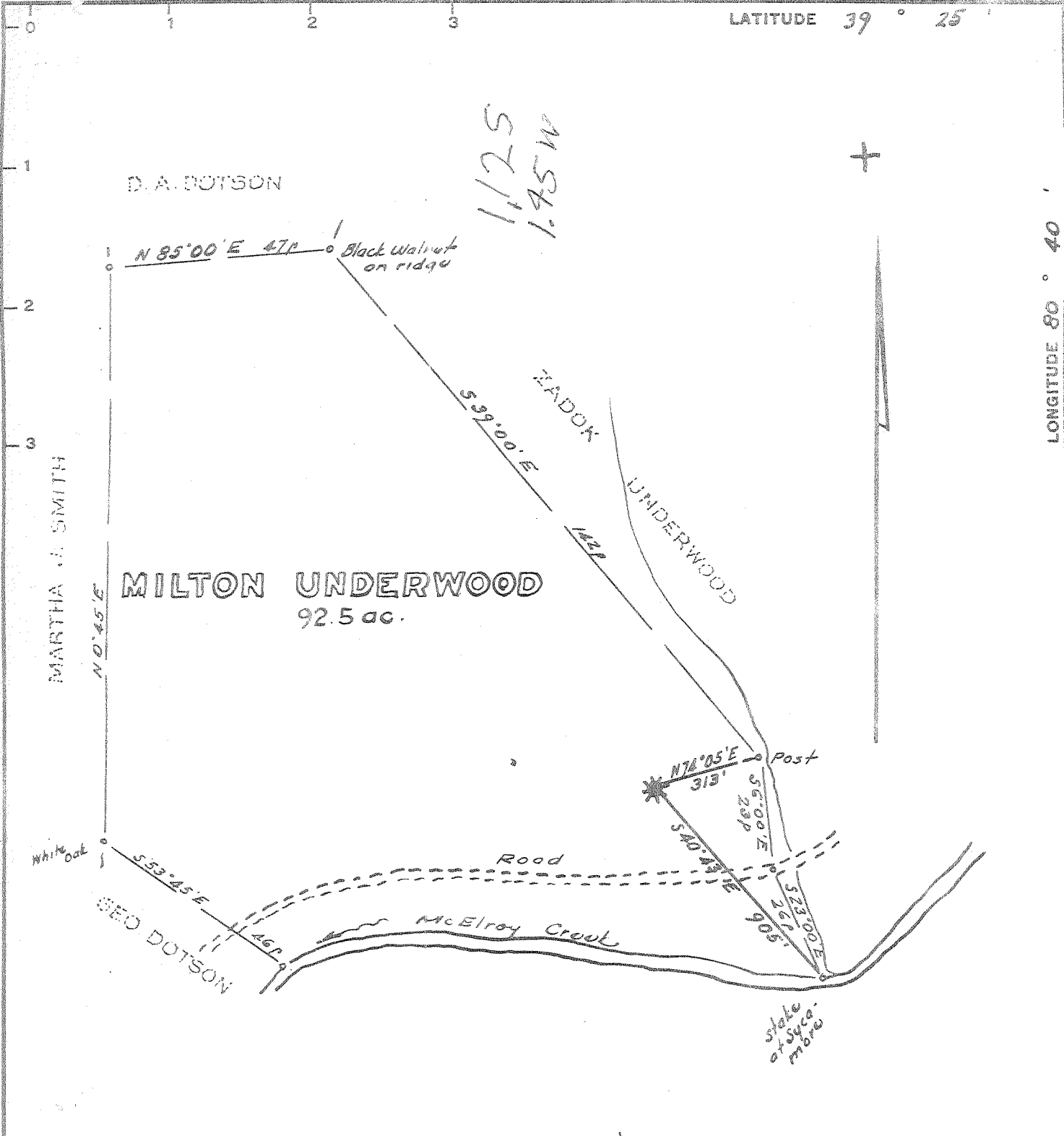


LATITUDE 39° 25'

LONGITUDE 80° 40'



Minimum Error of Closure 1 in 200

Source of Elevation L.C. Smith Well No 1 = 753'

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.

- Fracture
- New Location
- Drill Deeper
- Abandonment

Signed: [Signature]
 Squares: N S E W

Company Wet Oil Co.
 Address 90 Ora Sassa, Star Route, West Union
 Farm Milton Underwood
 Tract _____ Acres 92.5 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 837
 Quadrangle Centerpoint - WC
 County Doddridge District McClellan
 Engineer [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date April 27, 1967 Scale 1" = 300' = 495'

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

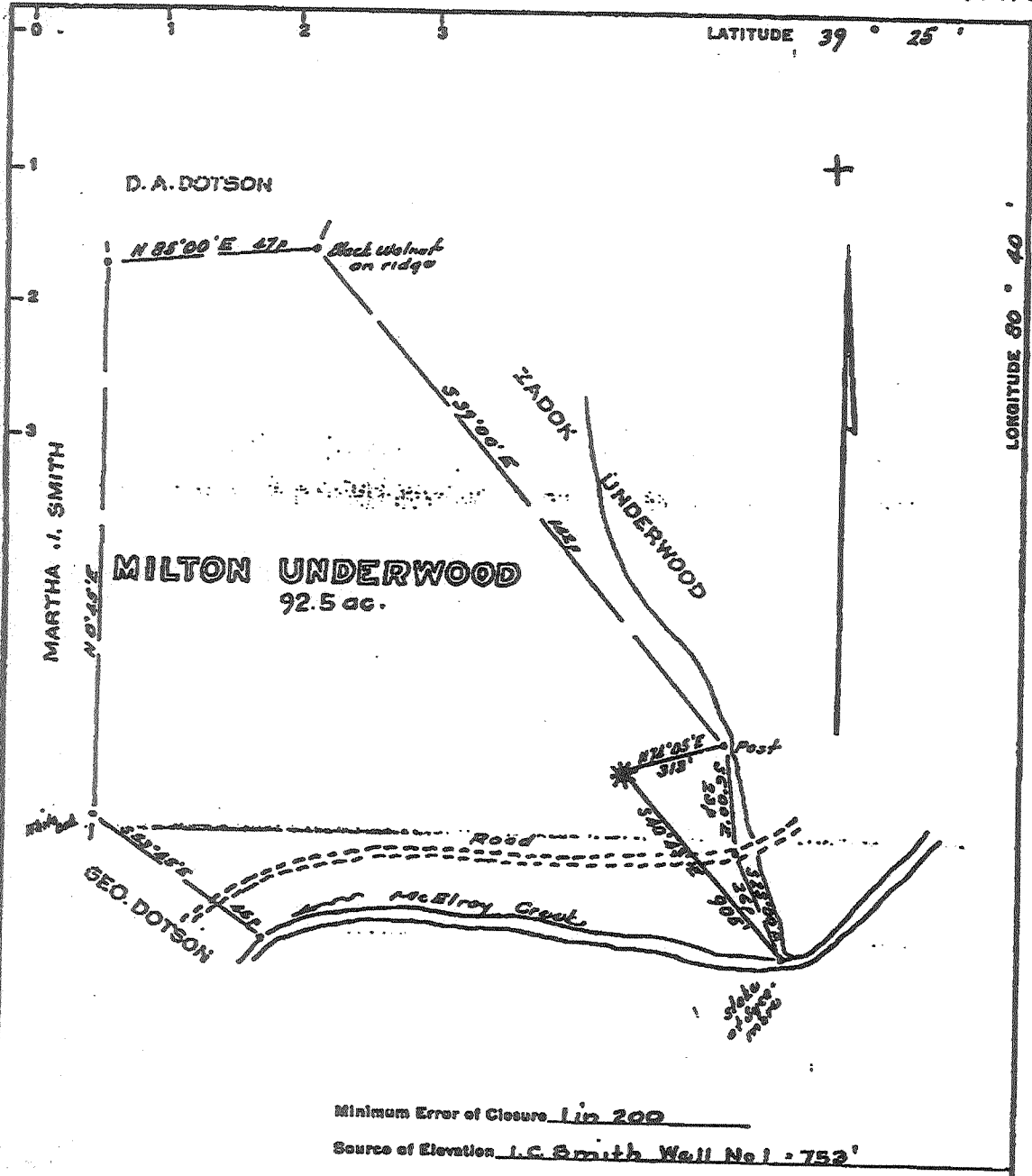
WELL LOCATION MAP

FILE NO. DOD-20-FRAC. - (REV.)
2393

+ 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.

4/28/1957



Minimum Error of Closure 1 in 200
 Source of Elevation L.C. Smith Well No 1 - 752'

- 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]
 Map No. _____ Squares: N E W

Company Sub Oil Co.
 Address Salon Seese, Star Route, West Union
 Farm Milton Underwood
 Tract _____ Acres 92.5 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 887
 Quadrangle Crestpoint
 County Doddridge District McClellan
 Engineer [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date April 27, 1957 Scale 1" = 800' = 495'

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

WELL LOCATION MAP

FILE NO. ~~22-22-PRAC-1227~~
47-017-2393 F

+ 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 _____

Permit No. D60-20-FRAC-REN-2393 WELL RECORD

Oil or Gas Well BOTH
(EIND)

Company <u>JET OIL COMPANY</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>STAR RT WEST UNION W.VA</u>				
Farm <u>MILTON UNDERWOOD</u> Acres <u>76</u>	Size			
Location (waters)	16			Kind of Packer
Well No. <u>1</u>	Elev. 13			
District <u>McCLELLAN</u> County <u>DODDRIDGE</u>	10			Size of
The surface of tract is owned in fee by <u>HARTZEL UNDERWOOD</u>	Address <u>WEST UNION W.VA</u>			Depth set
Mineral rights are owned by _____	5 3/16	<u>1985</u>	<u>1000</u>	
Drilling commenced _____	4 1/2			Perf. top
Drilling completed <u>4-7-67</u>	3			Perf. bottom
Date Shot _____ From _____ To _____	2			Perf. top
With _____	Liners Used			Perf. bottom

Attach copy of cementing record.
CASING CEMENTED 4 1/2 SIZE No. Ft. 1900 Date _____
Amount of cement used (bags) 2950
Name of Service Co. DOXWELL
COAL WAS ENCOUNTERED AT 540 FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

WELL FRACTURED (DETAILS) 650 Band of fresh water well came back and made 5,300 a day and 25,000 of gas
RESULT AFTER TREATMENT (Initial open flow or bbls.) 15 bbls. day
ROCK PRESSURE AFTER TREATMENT 4.95 HOURS
Fresh Water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun _____ Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Pittsburgh	Coal		540	541			
Big Injun			1887	2006			
Oil			1897	1901			
oil & water			1985	1987			
Drilled to total of			2824				
filled up to			2606				
Present total Depth			1926				
This is an old well that has been worked over and fractured							



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

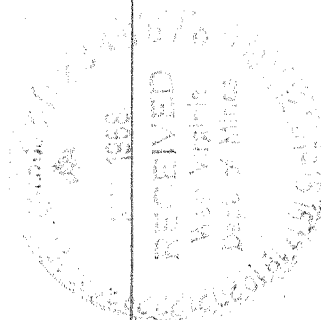
Rotary
Spudder
Cable Tools
Storage oil with gas show
Oil or Gas Well BOTH (KIND)

Quadrangle.....
Permit No. D40-20-FRAC-REN

WELL RECORD

Company JET OIL COMPANY
Address STAR RT WEST UNION W. VA
Farm MILTON UNDERWOOD Acres 7.5
Location (waters).....
Well No. 1 Elev.
District McCLELLAN County DODDRIDGE
The surface of tract is owned in fee by HARTZEL UNDERWOOD
Address WEST UNION W. VA
Mineral rights are owned by.....
Address.....
Drilling commenced.....
Drilling completed 4-7-67
Date Shot..... From..... To.....
With.....
Open Flow /10ths Water in..... Inch
/10ths Merc. in..... Inch
Volume..... Cu. Ft.
Rock Pressure..... lbs..... hrs.
Oil..... bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS).....
WELL FRACTURED (DETAILS) 650 Barrels of fresh water well came back and made 5 bbl a day and 25,000 of Gas
RESULT AFTER TREATMENT (Initial open flow or bbls.) 5 bbl day 5 bbls. + gas show
ROCK PRESSURE AFTER TREATMENT 4.0.0 HOURS
Fresh Water..... Feet..... Salt Water..... Feet.....
Producing Sand Big Injun Depth.....

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
<u>Pittsburgh Coal</u>			<u>540</u>	<u>541</u>			
<u>Big Injun</u>			<u>1887</u>	<u>2006</u>			
<u>oil</u>			<u>1897</u>	<u>1901</u>			
<u>oil & water</u>			<u>1985</u>	<u>1987</u>			
<u>filled to total of</u>			<u>2824</u>				
<u>filled up to</u>			<u>2006</u>				
<u>resent total Depth</u>			<u>1926</u>				
<u>This is an old well that has been worked over and treated</u>							





STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle _____
Permit No. DD-20-FRAC-REF-2393 WELL RECORD

Oil or Gas Well BOTH

Company <u>JET OIL COMPANY</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>STAR RT WEST UNION W.VA</u>	Size			
Farm <u>MILTON UNDERWOOD</u> Acres <u>78</u>	16			Kind of Packer
Location (waters) _____	13			
Well No. <u>1</u>	10			Size of
District <u>MCCLELLAN</u> County <u>DODDRIDGE</u>				Depth set
The surface of tract is owned in fee by <u>HARTZEL UNDERWOOD</u>	5 3/16			
Address <u>WEST UNION W.VA</u>	4 1/2	<u>1980</u>	<u>7000</u>	
Mineral rights are owned by _____				Perf. top
Address _____				Perf. bottom
Drilling commenced _____	3			Perf. top
Drilling completed <u>4-7-67</u>	2			Perf. bottom
Date Shot _____ From _____ To _____				Perf. top
With _____				Perf. bottom

Open Flow _____ /10ths Water in _____ Inch
 Attach copy of cementing record.
 Volume _____ Cu. Ft. CASING CEMENTED 4 1/2 SIZE No. 1900 Date _____
 Rock Pressure _____ lbs. Amount of cement used (bags) 950
 Name of Service Co. ROWELL
 Oil _____ bbls. 1st 24 hrs. COAL WAS ENCOUNTERED AT 540 FEET INCHES

WELL ACIDIZED (DETAILS) _____ FEET INCHES FEET INCHES
 WELL FRACTURED (DETAILS) 650 Barrel of fresh water well come back and made 5,300 a day and 25,000 of gas
 RESULT AFTER TREATMENT (Initial open flow or bbls) 5.66 day
 ROCK PRESSURE AFTER TREATMENT 4.05 HOURS
 Fresh Water _____ Feet Salt Water _____ Feet
 Producing Sand Big Injuns Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Pittsburgh Coal			540	541			
Big Injun			1887	2006			
Oil			1897	1901			
oil & water			1985	1987			
Drilled to total of			2824				
filled up to			2006				
Present total Depth			1926				

This is an old well that has been worked over and fractured



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
WELL RECORD

17-02393

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle CENTER POINT
Permit No. 33

Oil or Gas Well (KIND)

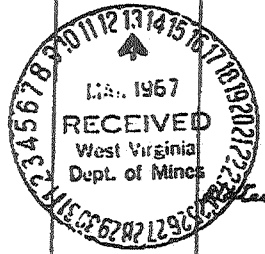
Company JET OIL COMPANY
Address 908A SEASE STAR RT. WEST UNION W. VA
Farm MARY UNDER WOOD Acres 70
Location (waters) _____
Well No. ONE Elev. 919
District M^cClinton County Doddridge
The surface of tract is owned in fee by Wesley Underwood
West Union Address W. Va.
Mineral rights are owned by _____
Address _____
Drilling commenced _____
Drilling completed _____
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Co. Ft.
Rock Pressure _____ lbs _____ hrs.
Oil _____ bbls. in 24 hrs.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10			Size of _____
8 3/4			
6 3/4			Depth set
5 3/16			
4 1/2		2000 ft.	
3			Perf. top
2		2000 ft.	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record.
CASING CEMENTED SIZE 4 1/2 No. Ft. 2000 ft. Date _____
Amount of cement used (bags) 150
Name of Service Co. Dowell
COAL WAS ENCOUNTERED AT 518 FEET INCHES
_____ FEET INCHES FEET INCHES
_____ FEET INCHES FEET INCHES

WELL ACIDIZED (DETAILS) _____
WELL FRACTURED (DETAILS) Well will be fractured
RESULT AFTER TREATMENT (Initial open flow or bbls.) _____
ROCK PRESSURE AFTER TREATMENT _____ HOURS _____
Fresh Water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Water found						15 ft.	
Little bluish coal						518 1/2 - 521 ft	
fine shales						960 - 976 "	
is Dunbar						1037 - 1041	
is sand						1168 - 1240	
is salt						1236 - 1245	
is salt						1253 - 1296	
is hard						1328 - 1430	
is brown						1635 - 1670	
is the line						1730 - 1740	
is the line						1740 - 1745	
is the line						1745 - 1772	
is the line						1773 - 1840	
is the line						1840 - 1850	
is the line						1840	
is the line						1921	



l and Gas in injection
total Depth.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

17-02393

Rotary
Spudder
Cable Tools
Storage

Quadrangle CENTER POINT
Permit No. 33

WELL RECORD

Oil or Gas Well (KIND)

Company JET OIL COMPANY
Address PO BOX 5856 STAR RT WEST UNION W. VA
Farm MARY UNDERWOOD Acres 70
Location (waters) _____
Well No. ONE Elev 812
District M^c Clelan County Doddridge
The surface of tract is owned in fee by Archie Underwood
West Union Address W. Va.
Mineral rights are owned by _____
Address _____
Drilling commenced _____
Drilling completed _____
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls. 1st 24 hrs.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10			Size of
8 1/4			
6 3/4			Depth set
5 3/16			
4 1/4		<u>2000 ft.</u>	Perf. top
3			Perf. bottom
2		<u>2000 ft.</u>	Perf. top
Liners Used			Perf. bottom

Attach copy of cementing record.
CASING CEMENTED SIZE 4 1/2 No. Ft. 2000 ft. Date _____
Amount of cement used (bags) 150
Name of Service Co. Dowell
COAL WAS ENCOUNTERED AT 518 FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

WELL ACIDIZED (DETAILS) _____
WELL FRACTURED (DETAILS) Well will be fractured
RESULT AFTER TREATMENT (Initial open flow or bbls.) _____
ROCK PRESSURE AFTER TREATMENT _____ HOURS _____
Fresh Water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Water found						15 ft.	
Pittsburgh Coal						518 to 524 ft	
Little Shinarump						960-976 "	
Big Ombard						1037-1041	
Sh. Sand						1168-1200	
First salt						1236-1245	
Second salt						1253-1296	
Third						1328-1430	
Mason						1635-1670	
little lime						1730-1740	
Pencil Cone						1740-1743	
blue Monday						1745-1772	
big lime						1773-1840	
big lignum						1840-1850	
oil and Gas in iron						1840	
Total Depth						1921	

