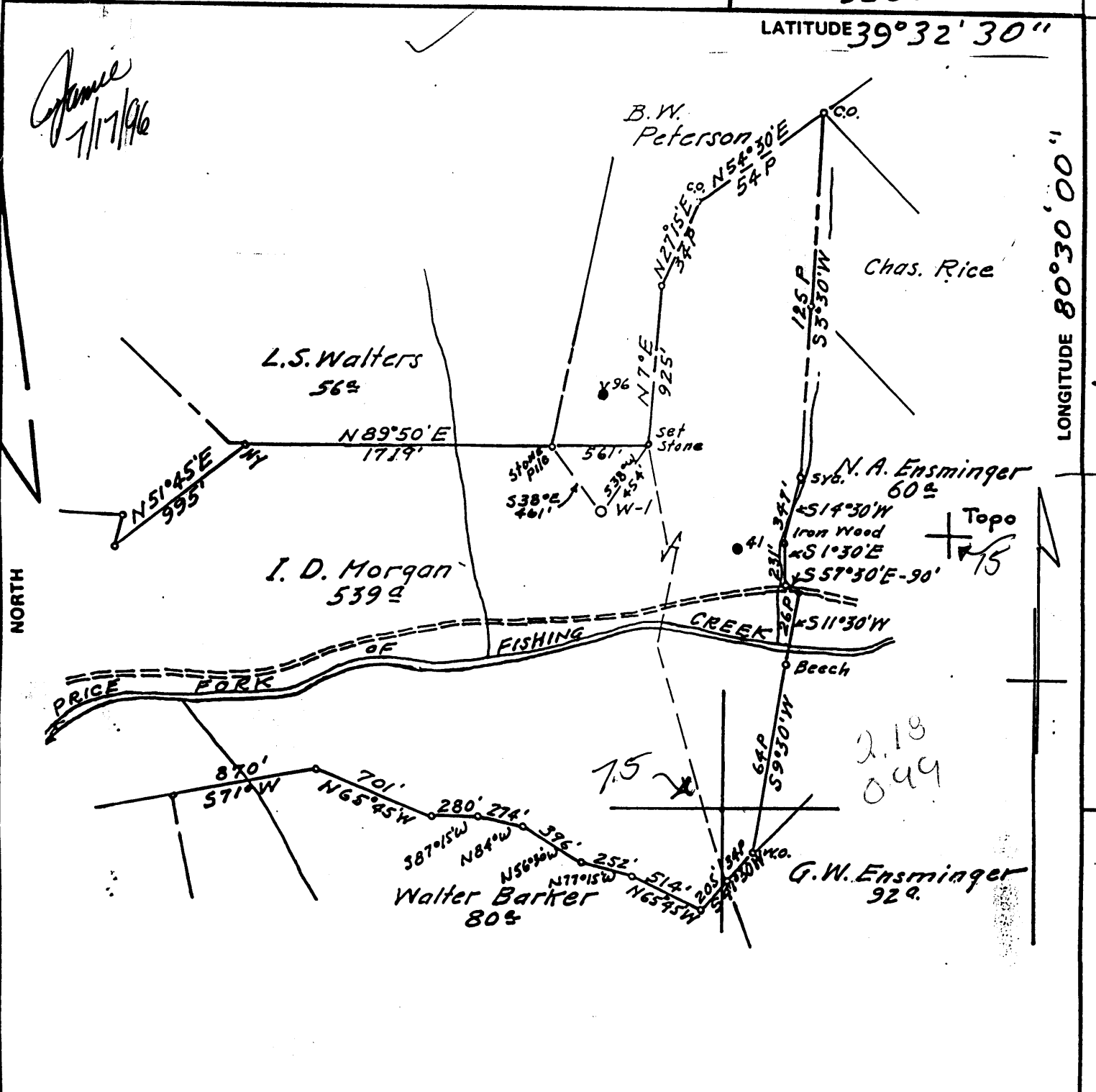


5200'

LATITUDE 39°32'30"

LONGITUDE 80°30'00"

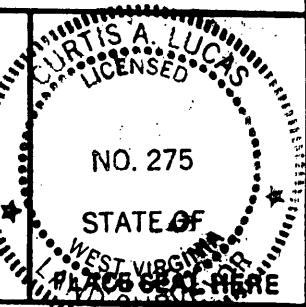
Amie
1/17/96



Note: Plat redrawn from plat of A C Hilbert, PE 2534, dated 9-30-63'

FILE NO. _____
 MAP NO. N59 sqs. N5E6
 SCALE 1" = 800'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION Pennzoil Co
Records

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) *Curtis A. Lucas*
 Curtis A. Lucas PS 275



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE April 8 1996
 FARM I D Morgan NO. W-1
 API WELL NO. _____
47 - 103 - 00558 - P
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 1198.43 WATER SHED Price Fork of Fishing Creek
 DISTRICT Grant COUNTY Wetzel
 QUADRANGLE Big Run 7 1/2'
 SURFACE OWNER Brown & Wittkamper ACREAGE 301.44
 OIL & GAS ROYALTY OWNER Joseph D. Morgan Agt. LEASE ACREAGE 539
 LEASE NO. _____
 PROPOSED WORK: DRILL _____ CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG _____
 TARGET FORMATION Fourth Sand ESTIMATED DEPTH 3177
 WELL OPERATOR G B HEFNER & ASSOC DESIGNATED AGENT G B HEFNER
 ADDRESS P O BOX 249 ADDRESS P O BOX 249
BRIDGEPORT WV 26330 BRIDGEPORT WV 26330

JUL 2 1996

LATITUDE 39° 35'

LONGITUDE 80° 30'

Surf: Ray Shuman,
Smithfield, W.Va.
Coal: Pittsburgh Chemical Coal Co.,
% Benjamin Reeder, Trustee,
P.O. Box 842, Morgantown, W.Va.

B.W. Peterson
CO. N 54° 30' E
54 P

Chas. Rice

L.S. Walters
562

Set Stone
N 7° E
925'

N.A. Ensminger
602

I. D. Morgan
5392

stone pile
538° E
461'

41

Iron Wood
S 1° 30' E
S 57° 30' E - 90'

Topo

PRICE FORK OF FISHING CREEK

4.975
0.95W
4.945

870' 571° W
701' N 65° 45' W
280' 274'
387° 15' W N 84° W
396' N 56° 30' W
252' N 77° 15' W
514' 205' 34P
205' 34P
59° 30' W
64P
Walter Barker
802

G.W. Ensminger
922

Minimum Error of Closure 1' in 200'

Source of Elevation B.W. Peterson Well #96, El. 1207.8'

- 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: A.C. Wilbert

Map No. N59 Squares: N 5 S E 6 W

Company Wolf's Head Oil Refining Co. Inc.
 Address P.O. Box 1588, Parkersburg, W.Va.
 Farm I. D. Morgan
 Tract _____ Acres 539 Lease No. 15155 RG 12117
 Well (Farm) No. W-1 Serial No. 47
 Elevation (Spirit Level) 1198.43' ground
 Quadrangle Littleton - SE
 County Wetzel District Grant
 Engineer A.C. Wilbert
 Engineer's Registration No. 2534
 File No. 487 Drawing No. _____
 Date Sept. 30, 1963 Scale 1" = 800'

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

WELL LOCATION MAP

FILE NO. WET-558

+ 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 21

Quadrangle LITTLETON

Permit No. WET-558

WELL RECORD

Oil or Gas Well Dry

(KIND)

Company WOLF'S HEAD OIL REFINING COMPANY, INC.
Address P. O. Box 1588, Parkersburg, W. Va.
Farm I. D. Morgan Acres 528
Location (waters) Price Fork of Fishing Creek
Well No. W-1 Elev. 1198.43'
District Grant County Wetzel
The surface of tract is owned in fee by Ray Shuman
Address Smithfield, W. Va.
Mineral rights are owned by L. Everett Morgan and
New Martinsville L. E. Morgan, Atty.
Address West Virginia
Drilling commenced November 6, 1963
Drilling completed March 11, 1964
Date Shot From To
With
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume Insufficient to Test-Show Only Cu. Ft.
Rock Pressure lbs. hrs.
Oil No Production-Show Only bbls., 1st 24 hrs.
WELL ACIDIZED

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

CASING CEMENTED - SIZE No. Ft. Date

COAL WAS ENCOUNTERED AT 988 FEET 84" INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

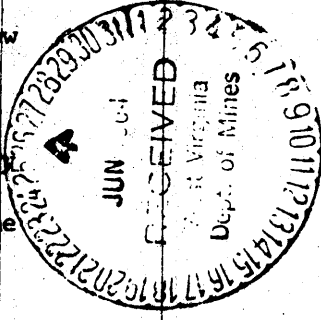
WELL FRACTURED SEE BACK OF PAGE 2 FOR FRACTURE DATA

RESULT AFTER TREATMENT Gas - Not enough to Test
Oil - None

ROCK PRESSURE AFTER TREATMENT No Test

Fresh Water SEE BELOW Feet Salt Water Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			0	8			
Stone			8	21			
Conductor				12			
Clay, Yellow			21	78			
Sand Stone			78	91			
Grey Mud			91	105	Water, Fresh	- 85	Show Only
Red Rock			105	120			
Rock			120	135			
Grey Mud			135	150	Water, Fresh	- 130	Show Only
Clay, Yellow			150	170			
Red Rock			170	185			
Brown Shale			185	195			
Clay, Yellow			195	217	Water, Fresh	- 190	5 bailers/Hr.
Grey Mud			217	230			
Red Rock			230	238			
Slate			238	258			
Lime, Gritty			258	305			
Slate & Lime			305	325	Water, Fresh	- 270	10 bailers/Hr.
Red Rock			325	347			
Lime			347	370			
Red Rock			370	390	Water, Fresh	- 351	30 bailers/Hr.
Lime & Slate			390	420			
Sand			420	432			
Slate & Lime			432	480			
Lime			480	540			



Formation	Color	Hard or Soft	Top <i>21</i>	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate & Lime			540	548			
Black Slate			548	560			
Lime & Slate			560	594			
Sand			594	620			
Lime			620	645			
Slate & Lime			645	660			
Red Rock			660	667			
Lime, Gritty			667	670			
Sand			670	693			
Slate & Lime			693	725			
Gritty Lime			725	760			
Slate & Lime			760	800			
Lime			800	872			
Slate & Lime			872	988			
Pittsburgh Coal			988	995			
Lime & Slate			995	1015			
Lime			1015	1075			
Red Rock			1075	1090			
Slate & Shale			1090	1134			
Red Rock			1134	1158			
Murphy Sand			1158	1180			
Slate			1180	1195			
Red Rock			1195	1221			
Limestone			1221	1234			
Red Rock			1234	1335			
Little Dunkard			1335	1359			
Red Rock			1359	1380	Oil	1341-1345	Show Only
Lime & Slate			1380	1400			
Red Rock			1400	1438			
Black Lime			1438	1476			
Big Dunkard			1476	1493			
Slate & Shale			1493	1615			
Black Slate			1615	1787			
Gritty Lime			1787	1805			
1st. Salt Sand			1805	1825			
Slate & Lime			1825	1875	Water, Salt	1805-1825	3 Bailers/Hr.
2nd. Salt Sand			1875	1940			
Slate & Lime			1940	1950	Water, Salt	1925-1930	6 Bailers/Hr.
3rd. Salt Sand			1950	1975			
Slate & Lime			1975	2050	Water, Salt	-1955	Show Only
Red Rock			2050	2065			
Slate & Lime			2065	2090			
Red Rock			2090	2110			
Lime			2110	2120			
Red Rock			2120	2165			
Slate			2165	2182			
Little Lime			2182	2214			
Pencil Cave			2214	2218			
Big Lime			2218	2280			
Big Injun			2280	2433 <i>2426</i>			
Slate & Lime			2433	2569	Gas	-2334	Show Only
Gritty Lime			2569	2590	Oil	2375-2391	Show Only
Limestone			2590	2645	Oil	2414-2416	Show Only
Slate & Lime			2645	2915			
Thirty Foot			2915	2928			
Slate & Lime			2928	2990			
Sand			2990	3040			
Slate			3040	3062			
Gordon Stray			3062	3100			
					Oil	3066-3076	Show Only

Date _____, 19____

APPROVED _____, Owner

By _____ (Title)

Ferm OG-10



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 21A

Quadrangle _____

Permit No. Wet-558 *Page # 7*

WELL RECORD

Oil or Gas Well _____ (KIND)

Company _____
Address _____
Farm I. D. Morgan Acres _____
Location (waters) _____
Well No. W-1 Elev. _____
District _____ County _____
The surface of tract is owned in fee by _____
Address _____
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.
WELL ACIDIZED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
24"	12'	12'	Steel Collar
16"	448'	NONE	Steel Shoe
13-3/8"	1473'	1473'	Differential Collar
10-3/4"	2232'	NONE	Guide Shoe
7" OD	3173'6"	3173'6"	16" OD 448'
5 3/16			13-3/8" OD 1473'
3			10" OD 2232'
2			7" OD 3165'
Liners Used			7" OD 3173'6"
			Perf. top _____
			Perf. bottom _____
			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 13-3/8" SIZE 1473' No. Ft. 12/31/63 Date
7" OD 3173'6" 3/18/64

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

WELL FRACTURED SEE BACK OF THIS PAGE FOR FRACTURE DATA

RESULT AFTER TREATMENT Gas - None
Oil - None
ROCK PRESSURE AFTER TREATMENT No Test

Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Slate Gordon			3100	3104	Oil	3079-3097	Show Only
			3104	3120	Oil	3106-3110	Show Only
					Oil	3111-3112	Show Only
Slate Sand Fourth Sand			3120	3136	Oil	3115-3119	Slight Show
			3136	3139			
			3139	3154			
Slate 7" Casing			3154	3177'6"	Oil	3144-3154	Slight Show
				3173'6"			
TOTAL DEPTH				3177'6"			2208 1128 1080



Formation	Color	Hard or Soft	Top <i>21A</i>	Bottom	Oil, Gas or Water	Depth Found	Remarks
<u>FIRST FRACTURE: April 27, 1964</u>							
USED:	1,175 Bbls. Water 750 Gal. MCA Acid 35 Gal. Huco Suds 40 Gal. Morflo 56,000# Sand						
<u>SECOND FRACTURE: May 7, 1964</u>							
USED:	1,000 Bbl. Water 50,000# Sand 350 Gal. MCA Acid 400# WAC - 8 30 Gal. Suds 40 Gal. Morflo						

Date June 25, 19 64

APPROVED WOLF'S HEAD OIL REFINING COMPANY, INC. owner

By George W. Wilsman
George W. Wilsman (Title) Agent