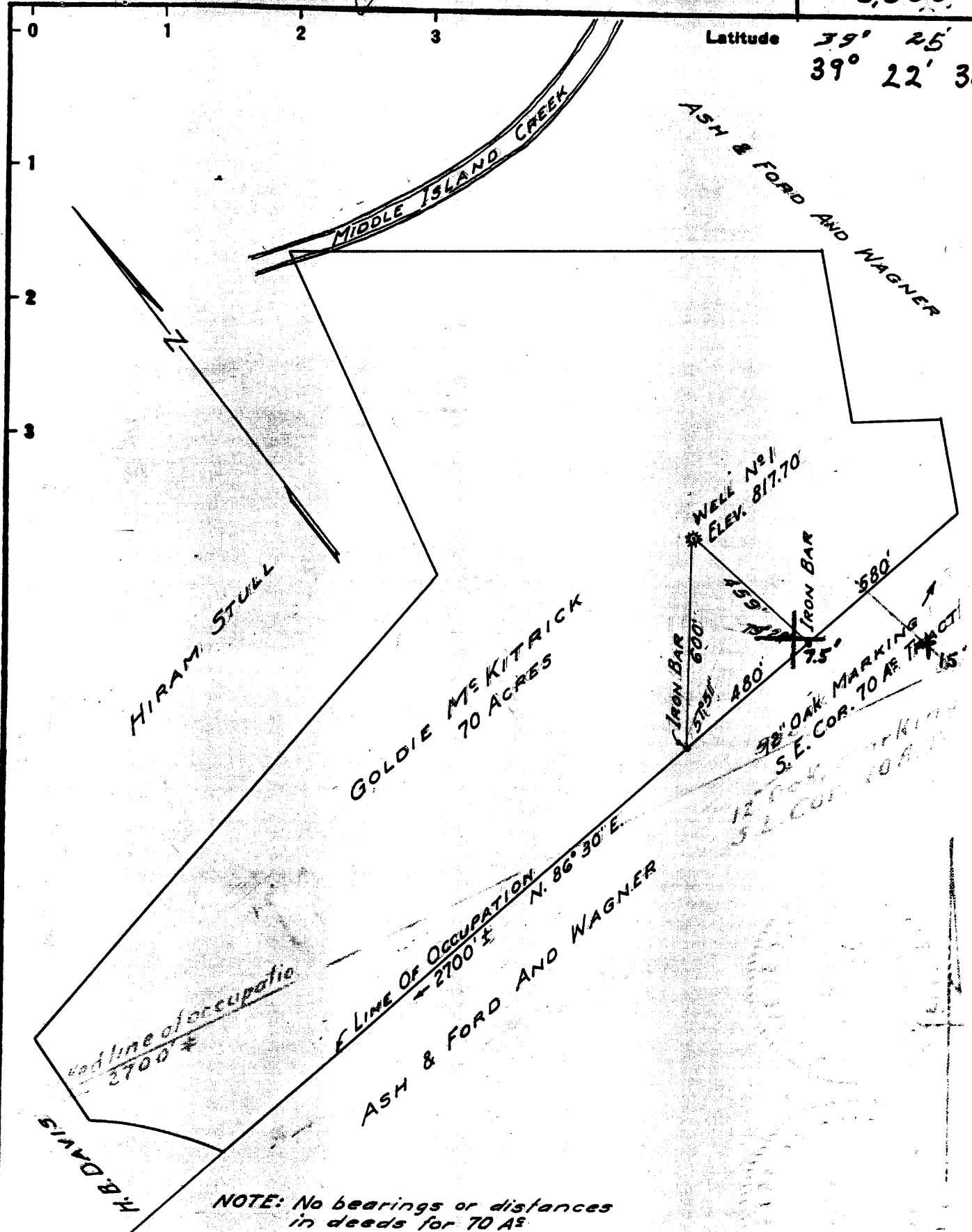


← 3,300 →

Latitude 39° 25'
39° 22' 30"

Longitude 80° 58'



NOTE: No bearings or distances in deeds for 70 AS

New Location...
 Drill Deeper... - 9/2/86
 Abandonment...

Company Appalachian Energy Development, Inc.
 Address P.O. Box 902- Belington, WVa. 26250
 Farm C Surface: C. Wagner # 1

Tract _____ Acres 70 Estate No. 1

Well (Farm) No. 1 Serial No. _____

Elevation (Spot Level) 817.70

Quadrangle WEST UNION 15+7.5'

County Tyler District CENTERVILLE

Engineer BUSHEY & SPATE BY G.L. BUSHEY

Engineer's Registration No. OHIO 603

File No. _____ Drawing No. _____

Date SEP 18 1959 Scale 1" = 200'

located

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

WELL LOCATION MAP

FILE NO. 741-280-DD-P

Plugging's Case.

+ 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.

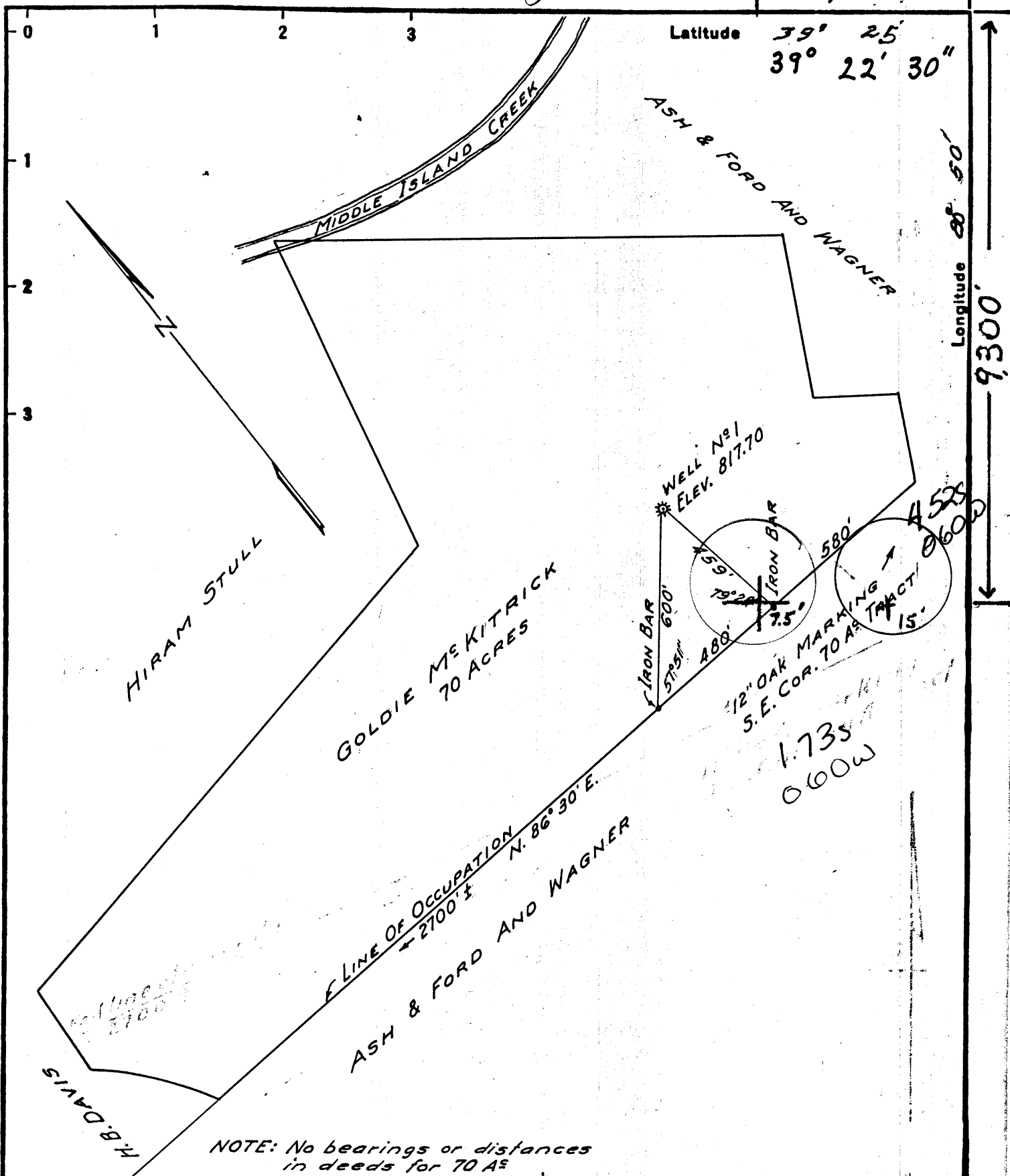
- Denotes one inch spaces on border line of original tracing.

47-095

4950' Benson

TYLER 0280-DD

← 3,300 →



NOTE: No bearings or distances in deeds for 70 AS

New Location..
 Drill Deeper..... - 9/2/86
 Abandonment.....

WVDEP database
 plugged 09/02/1986?
 corrected

397

Company Appalachian Energy Development, Inc.
 Address P.O. Box 902- Belington, WVa. 26250
 Surface: C. Wagner # 1

Farm _____

Tract _____ Acres 70 Lease No. 1

Well (Farm) No. 1 Serial No. _____

Elevation (Spirit Level) 817.70

Quadrangle WEST UNION 15+7.5' 67

County Tyler District CENTERVILLE

Engineer Bushey & Spade By G.L. Bushey

Engineer's Registration No. Ohio 603

File No. _____ Drawing No. _____

Date SEP 18 1959 Scale 1" = 200'

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

WELL LOCATION MAP

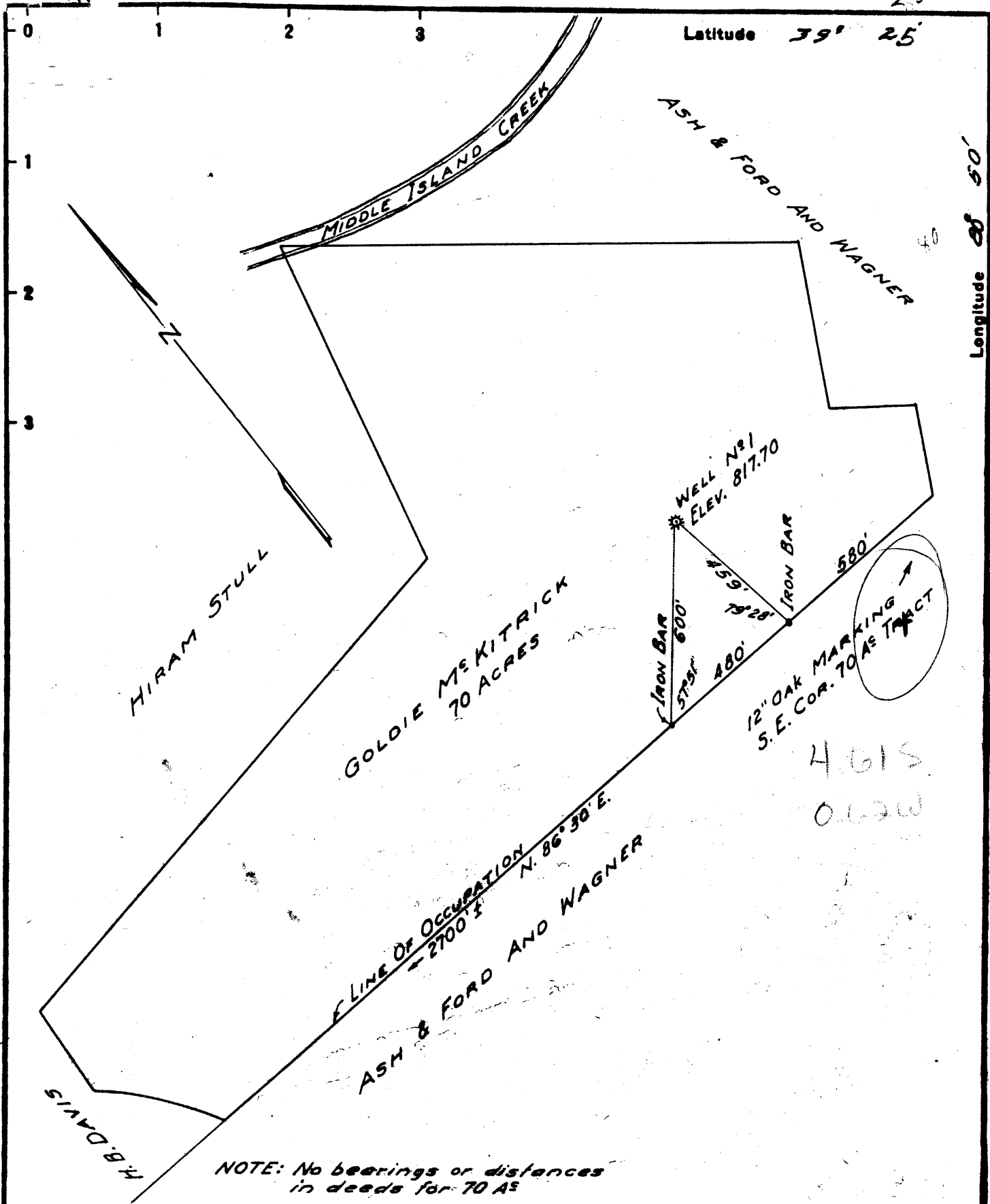
FILE NO. 94-280-DD

133 C5

+ 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.

47-095



NOTE: No bearings or distances in deeds for 70 AS

New Location
 Drill Deeper
 Abandonment

Company Duty Oil Co
 Address 700 S. High St AKRON OHIO
 Farm GOLDIE MS KITTRICK
 Tract _____ Acres 70 Easement No. 1
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 817.70
 Quadrangle WEST UNION - C
 County Tyler District CENTERVILLE
 Engineer Bushey & Spade By G. L. Bushey
 Engineer's Registration No. OHIO 607
 File No. _____ Drawing No. _____
 Date SEP 18 1959 Scale 1" = 200'

located

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

WELL LOCATION MAP
 FILE NO. 741-280

⊕ 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 8

Quadrangle West Union

Permit No. TYL-280

WELL RECORD

Oil or Gas Well Oil
(KIND)

Company Duty Oil Co.
Address 708 S. High St. Akron 11, Ohio
Farm Goldie McKittrick Acres 75
Location (waters) Middle Island Creek
Well No. 1 Elev. 817.70
District Centerville County Tyler
The surface of tract is owned in fee by Goldie McKittrick Address 27 Central Station
Mineral rights are owned by Amel Deah Address West Union, W.V.
Drilling commenced 8-27-59
Drilling completed 9-22-59
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 _____
WELL FRACTURED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	20'		Size of
8 1/4	196'		
6 3/8	474'		Depth set
5 3/16	885'		
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water 19' 140' 430' Feet 940' Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay	Red	Soft	0	8			
Lime	Blue	Hard	8	13			
Shale	"	Soft	13	15			
Lime	"	Hard	15	23	Water	19'	20 GPM
Red	Red	Soft	23	54			
Lime	Blue	Hard	54	82			
Red	Red	Soft	82	100			
Lime	Blue	Hard	100	110			
Red	Red	Soft	110	140			
Lime	Brown	Hard	140	150	Water	140'	3 GPM
Sand	Blue	Soft	160	180			
Shale	"	"	189	185			
Red	Red	"	185	196			
Lime	Blue	Hard	196	200			
Red	Red	Soft	200	220			
Lime	Brown	Hard	220	255			
Red	Red	Soft	255	270			
Lime	Brown	Hard	270	275			
Sand	White	"	275	325			
Lime	Blue	"	325	360			
Shale	"	Soft	360	370			
Red	Red	"	370	375			
Shale	Blue	"	375	400			
Shale	Black	"	400	415			
Lime	Brown	Hard	415	442			
Pink Rock	Pink	Soft	442	450			
Lime	Brown	Hard	450	520			
Lime	Brown	Hard	520	540			
Red	Red	Soft	540	545			
Lime	Brown	Hard	545	565			



Formation	Color	Hard or Soft	Top <i>f</i>	Bottom	Oil, Gas or Water	Depth Found	Remarks
Red	Red	Soft	565	575			
Lime	Brown	Hard	575	595			
Red	Red	Soft	595	660			
Lime	Brown	Hard	660	670			
Red	Red	Soft	670	685			
Shale	Blue	Soft	685	715			
Lime	Blue	Hard	715	720			
Shale	Blue	Soft	720	725			
Shale	Black	Soft	725	740			
Red	Red	"	740	750			
Lime	Brown	Hard	750	775			
Lime	Brown	Soft	775	810			
Shale	Black	"	810	850			
Shale	Blue	Soft	850	870			
Shale	Black	Soft	870	880			
Lime	Brown	Soft	880	885			
Shale	Black	Soft	885	920			
Sand	Blue	"	920	945	Water	940	30 GPH.

Date September 30, 1959

APPROVED Duty Oil Co, Owner
 By Partner *[Signature]*
 (Title)

7/85



1) Date: 8-20, 1986
 2) Operator's Well No. Wagner #1
 3) API Well No. 47 095 280-D
 State County Permit

RECEIVED
AUG 27 1986

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil / Gas / B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 818 Watershed: Middle Island Creek
 District: Centerville County: Tyler Quadrangle: West Union 670
- 6) WELL OPERATOR App. Energy Development, Inc. 7) DESIGNATED AGENT George Williams
 Address PO Box 902 Address PO Box 902
Belington WV Belington WV
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name BOB Lowther
 Address General Delivery
Middlebourne WV
- 9) DRILLING CONTRACTOR: Name _____ Address _____
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate /
 Plug off old formation / Perforate new formation /
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Benson 435
- 12) Estimated depth of completed well, 4950 feet
- 13) Approximate strata depths: Fresh, _____ feet; salt, _____ feet.
- 14) Approximate coal seam depths: None Is coal being mined in the area? Yes / No /
- 15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	<u>8 1/2</u>						<u>196</u>		
Coal	<u>5 3/16</u>						<u>885</u>		Sizes
Production	<u>2 7/8</u>						<u>4900</u>	<u>as required by rule 15.01</u>	
Tubing									
Lin.									Perforations:
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-095-0280-D Date September 2 19 86

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.
 Permit expires September 2, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>AS</u>	Plat: <u>AS</u>	Casing: <input checked="" type="checkbox"/>	Fee: <u>305-191</u>	WPCP: <input checked="" type="checkbox"/>	S&E: <input checked="" type="checkbox"/>	Other: <input type="checkbox"/>
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NOTE: Keep one copy of this permit posted at the drilling location.

John H. Johnston
 Director, (Division of Oil and Gas)
Margaret J. Hassel

See the reverse side of the APPLICANT'S COPY for instructions to the well operator