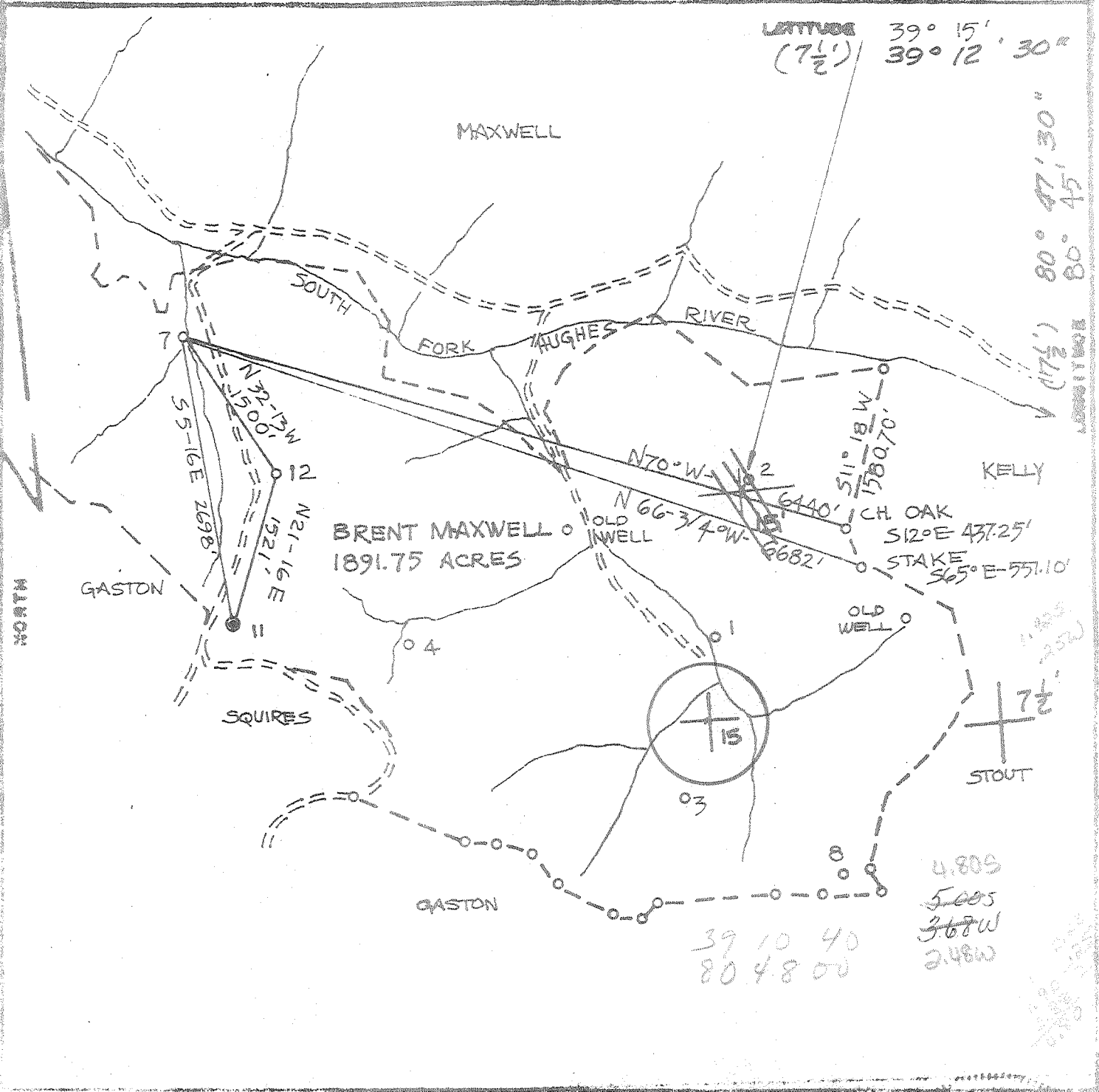


LONGITUDE $77^{\circ} 15' 30''$
 (77 $\frac{1}{2}$) $77^{\circ} 12' 30''$



4.80S
 5.00S
 3.68W
 2.48W

39 10 40
 80 4.8 00

FILE NO _____
 DRAWING NO. _____
 SCALE 1"=1320'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION B.M. 2136 RUN (865')

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) Neal Hughes
 R.P.E. _____ L.L.S. 632



1) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM M-8
 (8-78)



DATE 6/28, 1979
 OPERATOR'S WELL NO. 11
 API WELL NO. 47-017-2461
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____)
 LOCATION. ELEVATION 1230' WATER SHED SFHR
 DISTRICT SOUTHWEST COUNTY DODDRIDGE
 QUADRANGLE HOLBROOK 15' OXFORD 7 1/2 NE
 SURFACE OWNER W. BRENT MAXWELL ACREAGE 1891.75
 OIL & GAS ROYALTY OWNER W. BRENT MAXWELL LEASE ACREAGE 1891.75
 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 BEREA LIMON. WEIR ESTIMATED DEPTH TD. 2600 AUG 13 1979
 WELL OPERATOR MURVIN OIL CORP. DESIGNATED AGENT STANLEY R. WILSON
 ADDRESS CO. BLAUZER WELL SERVICE ADDRESS FIVES FORKS
 G. --- PO Box 822 MARIETTA OH. 45750 WEST VIRGINIA 26145
6-6 STRAIGHT FT. BLUESTONE CR 133



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division
WELL RECORD

RECEIVED
OCT 7 1979

DEPT. OF MINES

Quadrangle Holbrook

Permit No. Dodd - 2461

API # 47-017-2461

Rotary Oil _____
Cable _____ Gas
Recycling _____ Comb.
Water Flood _____ Storage _____
Disposal _____ (Kind)

Company <u>Murvin Oil Corporation</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up (Cu. ft. (Sks.))
Address <u>P. O. Box 297, Olney, Illinois 62450</u>				
Farm <u>W. B. Maxwell</u> Acres <u>1891</u>	Size			
Location (waters) <u>South Fork of Hughes River</u>	20-16			
Well No. <u>11</u> Elev. <u>1230'</u>	Cond.			
District <u>Southwest</u> County <u>Doddridge</u>	13-10"			
The surface of tract is owned in fee by _____	9 5/8			
<u>W. Brent Maxwell Heirs</u>	8 5/8	245	245	80 sks
Address <u>Clarksburg, WV 26302</u>	7			
Mineral rights are owned by <u>Same</u>	5 1/2			
Address _____	4 1/2	2633	2633	200 sks
Drilling Commenced <u>8/16/79</u>	3			
Drilling Completed <u>9/6/79</u>	2			
Initial open flow <u>No Test</u> cu. ft. _____ bbls.	Liners Used			
Final production <u>85 M cu. ft.</u> per day <u>show</u> bbls.				
Well open _____ hrs. before test <u>725</u> RP.				

Well treatment details:

Attach copy of cementing record.

Four (4) Stage Water Frac - Dowell

1st - Gordon Sand, 351 bbls. water, 45 M sand: 10 perforations, 2590' - 2594'

2nd - Berea Sand, 365 bbls. water, 45 M sand: 10 perforations, 2359' - 2363'

3rd - Weir Sand, 590 bbls. water, 60 M sand: 15 perforations, 2166' - 2254'

4th - Big Injun Sand, 225 bbls. water, 9 M sand: 10 perforations, 1967' - 1971'

Coal was encountered at None Feet -0- Inches
Fresh water 55' Feet -0- Salt Water _____ Feet -0-
Producing Sand Gordon, Berea, Weir and Big Injun Depth See Above

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & Shale			Surface	1300		Top of electrical log.
Shale			1300	1336		
Sand			1336	1430		
Shale			1430	1550		
Sand			1550	1578		
Shale			1578	1590		
Sand			1590	1630		
Shale			1630	1718		
Sand			1718	1750		
Shale			1750	1830		
Sand			1830	1940		
Big Injun			1940	2008	Gas	
Shale			2008	2160		
Weir			2160	2280	Gas	
Shale			2280	2356		
Berea			2356	2368	Gas	
Shale			2368	2582		
Gordon			2582	2600	Gas	
Shale			2600	2636		TD

(over)

* Indicates Electric Log tops in the remarks section.

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRIILLING CONTRACTOR (IF KNOWN) Apache Drilling

Address Court House Lane

Marietta, Ohio 45750

GEOLOGICAL TARGET FORMATION, Berea, Big Injun & Weir

Estimated depth of completed well, 2600 feet Rotary X / Cable tools /

Approximate water strata depths: Fresh, 55 feet; salt, feet.

Approximate coal seam depths: none Is coal being mined in the area? Yes / No /

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	8 5/8	K55	24	X		250	250	To surface	
Coal									Sizes
Intermediate									
Production	4 1/2	K55	10 1/2	X			2600	200 sacks	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE
All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling

This permit shall expire if operations have not commenced by 4-2-80

[Signature]
Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: , 19

By

Its

Date: July 31, 1979, 19

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. Maxwell #11

API Well No. 47 - 017 2461
State County Permit

WELL TYPE: Oil / Gas /
(If "Gas", Production / Underground storage / Deep / Shallow /)

LOCATION: Elevation: 1230' Watershed: South Fork Hughes River
District: Southwest County: Doddridge Quadrangle: Holbrook

WELL OPERATOR MURVIN OIL CORPORATION
Address c/o Blauser Well Service, Inc.
Post Office Box 829
Marietta, Ohio 45750

DESIGNATED AGENT Stanley K. Wilson
Address Five Forks
West Virginia 26145

OIL & GAS ROYALTY OWNER W. Brent Maxwell Heirs
Address c/o Union National Bank of Clarksburg
PO Box 1450, Clarksburg, WV 26302

COAL OPERATOR Same
Address _____

Acres 1,891

COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER Same
Address _____

Name Same

Address _____

Address _____

Acres _____

Name Same

FIELD SALE (IF MADE) TO:

Address _____

Name Equitable Gas Company

Address 420 Boulevard of the Allies

Pittsburgh, PA 15219

COAL LESSEE WITH DECLARATION ON RECORD:

OIL & GAS INSPECTOR TO BE NOTIFIED

Name _____

Name _____

Address _____

Address _____

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated 9/25, 1919, to the undersigned well operator from _____

[If said deed, lease, or other contract has been recorded:]

Recorded on 10/08, 19 19, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Lease Book 37 at page 48. A permit is requested as follows:

PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture or stimulate /
Plug off old formation / Perforate new formation /
Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the filing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

AUG 02 1979

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1011 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

OIL & GAS DIVISION
DEPT. OF MINES

MURVIN OIL CORPORATION
Well Operator

BLANKET BOND

By Stanley K. Wilson
Stanley K. Wilson, Agent