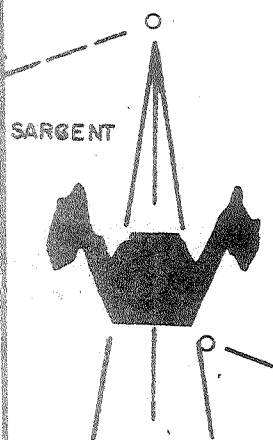
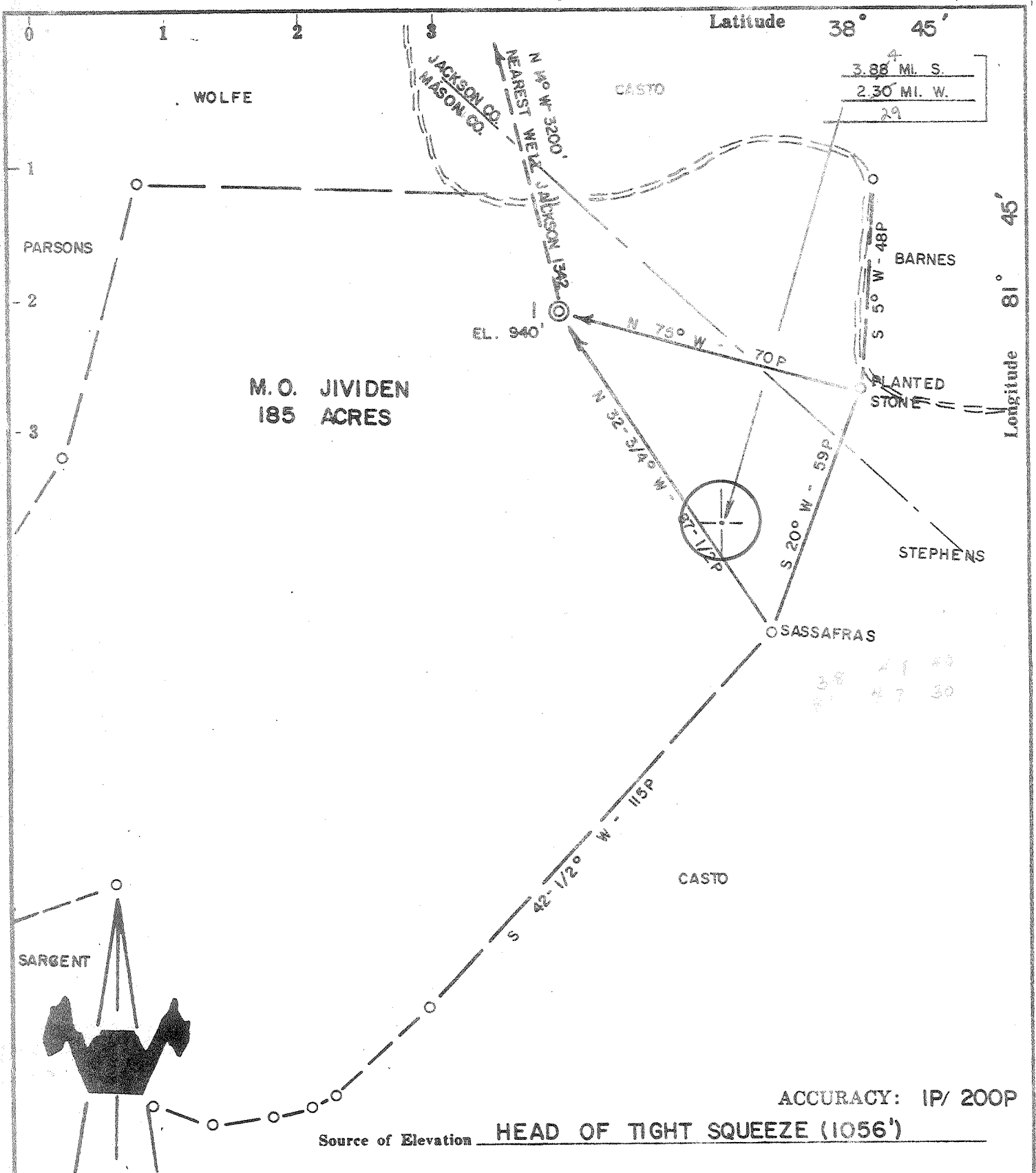


6, 14, 76 19



ACCURACY: 1P/ 200P

Source of Elevation HEAD OF TIGHT SQUEEZE (1056')

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.

*Chet Waterman*

Company E. J. PARSONS  
 Address RIPLEY, WV  
 Farm M.O. JIVIDEN J&B CARTER  
 Tract \_\_\_\_\_ Acres 185 Lease No. \_\_\_\_\_  
 Well (Farm) No. 1 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 940'  
 Quadrangle WINFIELD NE  
 County MASON District UNION  
 Engineer CHET WATERMAN  
 Engineer's Registration No. 3788  
 File No. 76003-196 Drawing No. \_\_\_\_\_  
 Date 4/28/76 Scale 1" = 30P

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

**WELL LOCATION MAP**  
 FILE NO. MAS-140-PP

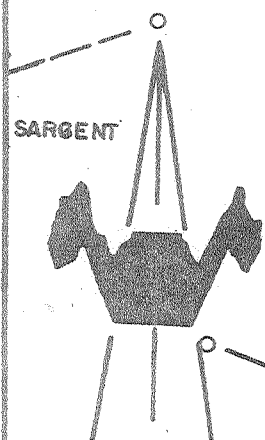
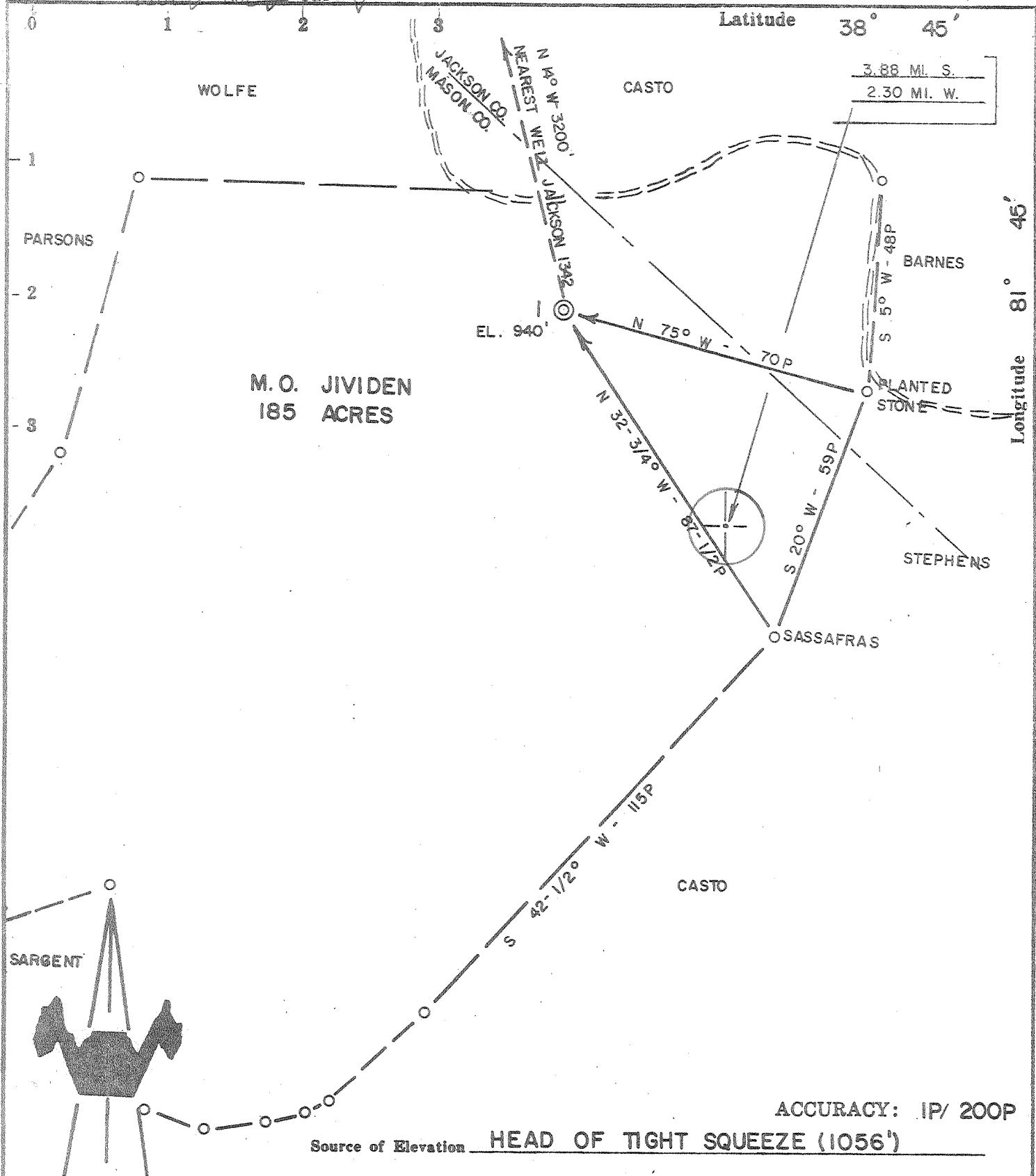
Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

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

**47-053**

6, 14, 76 16

Plot Log Card CSD Mflm



ACCURACY: 1P/ 200P

Source of Elevation HEAD OF TIGHT SQUEEZE (1056')

PART - PLUG 12/6/76  
 New Location   
 Drill Deeper   
 Abandonment  6/7/77  
 Fracture   
 Redrill

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.

*Chet Waterman*

Company E. J. PARSONS  
 Address RIPLEY, WV  
 Farm M.O. JIVIDEN J&B CARTER  
 Tract \_\_\_\_\_ Acres 185 Lease No. \_\_\_\_\_  
 Well (Farm) No. 1 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 940'  
 Quadrangle WINFIELD *NE*  
 County MASON District UNION  
 Engineer CHET WATERMAN  
 Engineer's Registration No. 3788  
 File No. 76003-196 Drawing No. \_\_\_\_\_  
 Date 4/28/76 Scale 1" = 30P

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

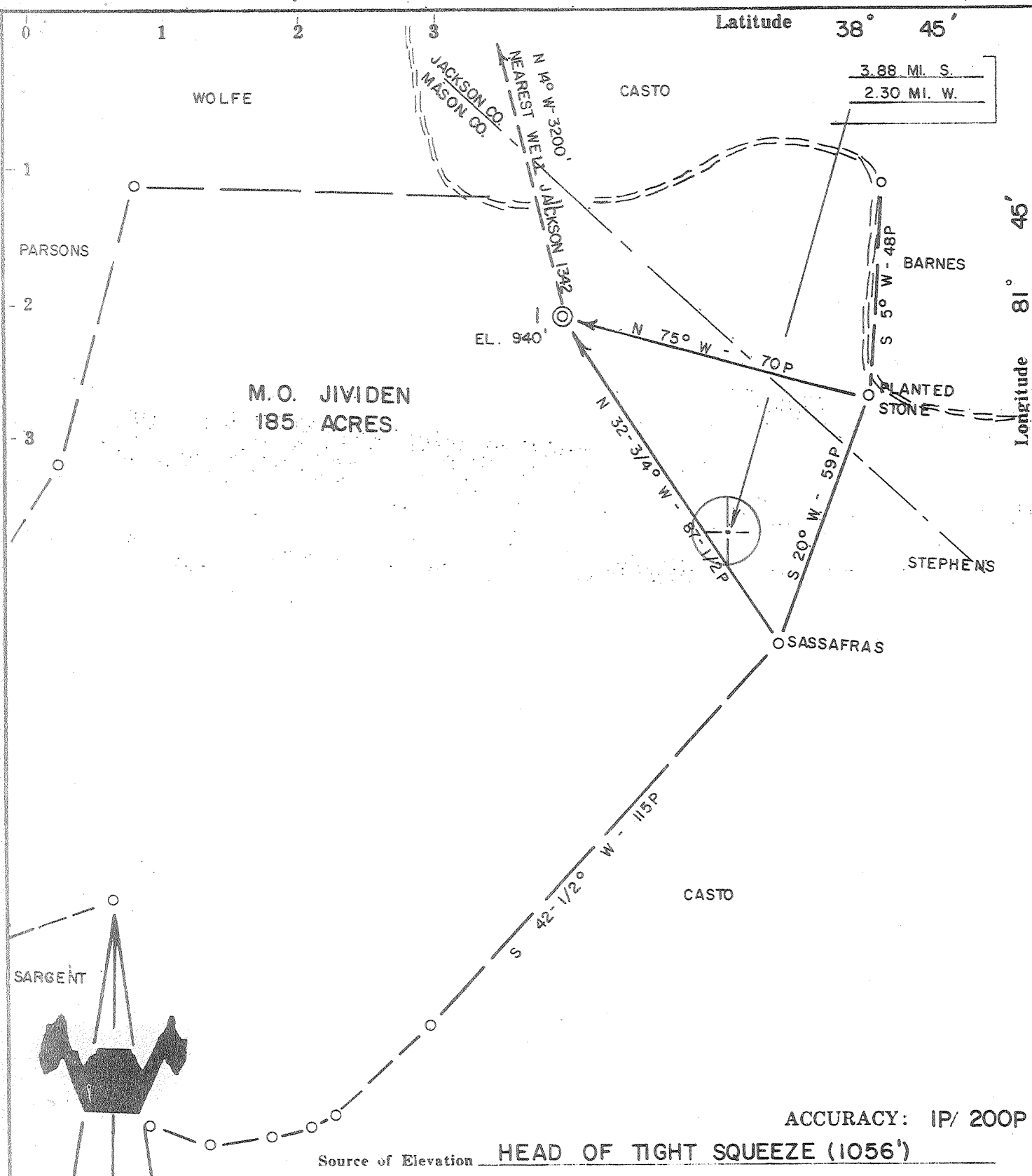
**WELL LOCATION MAP**  
 FILE NO. MAS-140-PP-P

-- 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.

JUN 21 1977  
**47-053**

5300 (Oil & Gas)

Deep Well



- PART - PLUG 12/6/76**
- New Location
  - Drill Deeper
  - Abandonment
  - Fracture
  - Redrill

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.

*Chet Waterman*

Company **E. J. PARSONS**

Address **RIPLEY, WV**

Farm **M.O. JIVIDEN J&B CARTER**

Tract \_\_\_\_\_ Acres **185** Lease No. \_\_\_\_\_

Well (Farm) No. **1** Serial No. \_\_\_\_\_

Elevation (Spirit Level) **940'**

Quadrangle **WINFIELD NE**

County **MASON** District **UNION**

Engineer **CHET WATERMAN**

Engineer's Registration No. **3788**

File No. **76003-196** Drawing No. \_\_\_\_\_

Date **4/28/76** Scale **1" = 30P**

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

**WELL LOCATION MAP**  
FILE NO. **MAS-140-PP**

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.

**47-053**



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
**Oil and Gas Division**  
**WELL RECORD**

Quadrangle Winfield  
Permit No. Mas-140

Rotary X Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas Show  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ Dry  
(Kind)

Company Edison J. Parsons  
Address 119 Highlawn Dr., Ripley, W. Va.  
Farm James D. Carter Acres 182  
Location (waters) Thirteen Mile Creek  
Well No. #1 Elev. 940  
District Union County Mason  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by \_\_\_\_\_  
Address \_\_\_\_\_  
Drilling Commenced 6/10/75  
Drilling Completed 10/10/76  
Initial open flow Show cu. ft. \_\_\_\_\_ bbls.  
Final production Water cu. ft. per day \_\_\_\_\_ bbls.  
Well open \_\_\_\_\_ hrs. before test \_\_\_\_\_ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8	208'	208'	85 Cu Ft
8 5/8			
7	2716'	2716'	75 Bags
5 1/2			
4 1/2	5147'	5147'	50 Bags
3			
2	5131'	5131'	
Liners Used			

Well treatment details:

Attach copy of cementing record.

500 Gal. of acid followed with 500 BBLS water Frac with 20-40 sand.  
Broke down at 3000# Frac Pressure 4300#

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water 1650 Feet  
Producing Sand Oriskany 5070-5078 (Log) Depth 4938 5147-TD

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil			0	7		
Red Rock			7	195		
Sand and Shale			195	661		
Red Rock			661	1070		
Sand and Shale			1070	1649		
Sand			1649	1954		
Lime			1954	2146		
Shale			2146	2170		
Injun			2170	2302		
Shale and Sand			2302	2386		
Shale			2386	2622		
Coffee Shale			2622	2648		
Berea			2648	2654		
Shale			2654	4938		
Corniferonus			4938	5020		
Oriskany			5020	5051		
<p style="text-align: right;">           4938            940            -----            3998              btm 4 1/2 in log 5147            log TD 5146            (Log top - 4900')         </p>						

(over)

\* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

JUN 14 1976

OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,  
Charleston, W. Va.

DATE May 9, 1976

Surface Owner James D. and Bernice W. Carter Company Edison J. Parsons

Address Charleston, West Virginia Address 119 Highlawn Dr., Ripley, W. Va.

Mineral Owner M. O. and Helen Jividen Farm James D. Carter Acres 182

Address Elmwood, West Virginia Location (waters) Mid. Lick Fork of Thirteen Mile Crk.

Coal Owner M. O. and Helen Jividen Well No. I Elevation 940

Address None District Union County Mason

Coal Operator None Quadrangle Winfield

Address \_\_\_\_\_

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 11-1-76.

[Signature]  
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Kenneth Butcher  
PH: 736-4885 ADDRESS Barboursville, W. Va.

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated 20th of May 1975 by M. O. & Helen Jividen made to E. J. Parsons and recorded on the 30th day of May 1975 in Mason County, Book 39 Page 628

\_\_\_\_\_ NEW WELL \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE  
\_\_\_\_\_ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. \*

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address none day none before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY TO:  
West Virginia Geological and Economic Survey  
P. O. Box 379  
Morgantown, W. Va. 26505

Very truly yours, [Signature]  
(Sign Name) \_\_\_\_\_ Well Operator

Address \_\_\_\_\_  
of \_\_\_\_\_  
Well Operator \_\_\_\_\_  
119 Highlawn Dr.  
Street  
Ripley  
City or Town  
West Virginia 25271  
State

I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements.

\*SECTION 3 . . . . If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

MAS-140 \_\_\_\_\_ PERMIT NUMBER  
47-053

BLANKET BOND

**THIS IS AN ESTIMATE ONLY  
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION**

PROPOSED WORK ORDER TO  DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT: \_\_\_\_\_  
 NAME Not known at this time NAME Edison J. Parsons  
 ADDRESS \_\_\_\_\_ ADDRESS 119 Highlawn Dr., Ripley, W. Va.  
 TELEPHONE \_\_\_\_\_ TELEPHONE 372-2891  
 ESTIMATED DEPTH OF COMPLETED WELL: 5300' ROTARY  CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Oriskany  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS  COMB. \_\_\_\_\_ STORAGE \_\_\_\_\_ DISPOSAL \_\_\_\_\_  
 RECYCLING \_\_\_\_\_ WATER FLOOD \_\_\_\_\_ OTHER \_\_\_\_\_

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8	200'	200'	90 Bags
8 - 5/8			
7	3000'	3000'	60 Bags
5 1/2	To be run as production string cemented in with 50 bags and perforated if gas is found.		
4 1/2			
3			Perf. Top
2	5300'	5300'	Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 60' FEET \_\_\_\_\_ SALT WATER Salt Sand S FEET 1600'  
 APPROXIMATE COAL DEPTHS not known  
 IS COAL BEING MINED IN THE AREA? no BY WHOM? \_\_\_\_\_

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for \_\_\_\_\_ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the \_\_\_\_\_ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

\_\_\_\_\_  
For Coal Company

\_\_\_\_\_  
Official Title