

LATITUDE 39° 32' 30"

LONGITUDE 80° 30' 00"



7'5 OGIS topo location .

7.5' 10C 224S
0.83W

15' 10C _____
(calc.) _____

Company _____

Farm _____

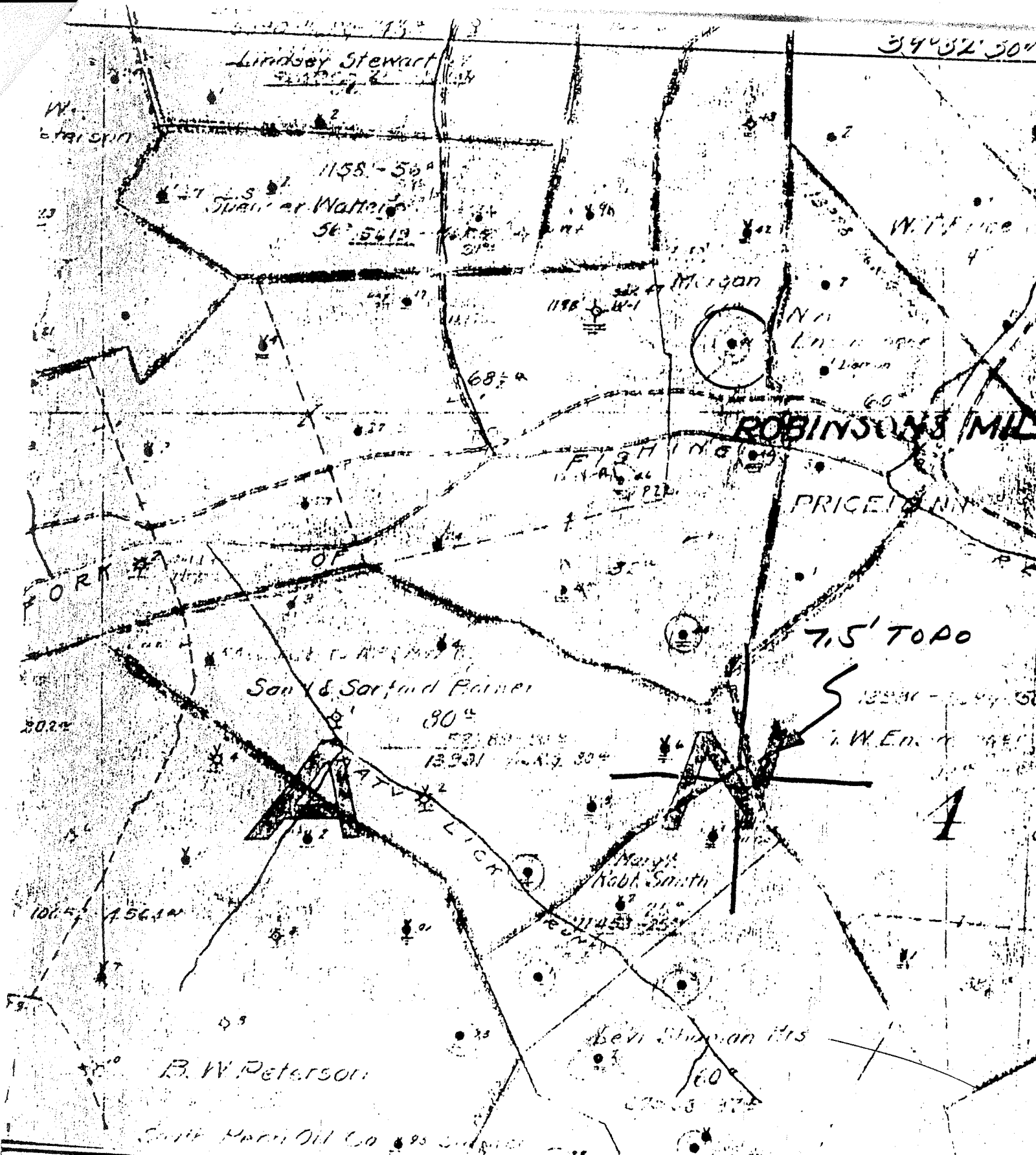
Quad BIG RUN 7 1/2'

County WETZEL

District GRANT

WELL LOCATION MAP

File No. 103-1042



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6
 10-78
 N59 N5 E6



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE 1-8- 19 79
 OPERATOR'S WELL NO. _____
 API WELL NO. 47
 STATE 103 COUNTY 1042 PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS", PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION _____ WATER SHED PRICE RUN
 DISTRICT GRANT COUNTY WETZEL
 QUADRANGLE BIG RUN 7.5'
 SURFACE OWNER _____ ACREAGE _____
 OIL & GAS ROYALTY OWNER _____ LEASE NO. _____ LEASE ACREAGE _____
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR
 STIMULATE PLUS OFF OLD FORMATION PERFORATE NEW
 FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUS AND ABANDON CLEAN OUT AND REPLUS
 TARGET FORMATION _____ ESTIMATED DEPTH _____
 WELL OPERATOR Pennzoil Company DESIGNATED AGENT James A. Crews
 ADDRESS P. O. Box 1588 ADDRESS P. O. Box 1588
Parkersburg, WV 26101 Parkersburg, WV 26101

M.D. MORGAN-41

Well No. 41
 Lease No. Grant District 9 10 Morgan
 Farm. County. Metzle
 Rig built by D. P. O. Co
 Well drilled by D. P. O. Co
 Contractor.
 Began drilling Aug 17 1914 Completed Nov 9th 1914

ROCK FORMATION	TOP	BOTTOM	S. L. M.	REMARKS
Conductor		16		Elev. 1018
Pittsburg Coal	823	830	823-830	
Little Belukand	1155	1180		
Big No	1315	1349		
Gas Sand	1520	1530		1155
1st Salt Sand	1630	1700		1052
2nd No	1750	1805		-137
Little Lime	2025	2048		
Small Cave	2048	2055		
Big Lime	2055	2120		
Big Limestone	2120	2255	2120-2255	
Salt Caves Water	2219		2219	
30 foot Sand	2748	2765		
Shiller	2838	2863		
Stray Sand	2898	2933		
Gravel	2936		2936	
Gas	2938			
Oil	2940	2948	2940-2948	
Total depth		2953	2953	

Shot 7/25/16 - 709 ft
 " 2/9/21 - 308 ft
 " 5/21/27 - 304 ft
 " 1/1/36 - 409 ft

CASING RECORD

Size	CHARGED TO WELL		PUT IN WELL		PULLED OUT		LEFT IN WELL		Transferred before Completion	Left at Well Not in Use
	Feet	In.	Feet	In.	Feet	In.	Feet	In.		
20 in			16							
10			523							
8 1/4			1438							
6 3/8			2043							
5 1/16			2467							

Shot 11/2/14
 12 Quarts
 Gordon
 50 bbls 12x24 hrs
 after shot
 Shot 4/12/15 - 304 ft
 Gordon - Strapped
 50 bbls 12x24 hrs.

Production First 24 Hours 30 Bbls. signed A L Chambers Supt.