

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FORM IV-6
(8-78)
159

N6 E7



DATE Nov 30, 1978
 OPERATOR'S WELL NO 4
 API WELL NO. 47-103-0928
 STATE WV COUNTY Wetzel PERMIT 0928

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS", PRODUCTION STORAGE DEEP SHALLOW X
 LOCATION: ELEVATION 1167.99 WATER SHED Pickenpaugh Run of Fishing Creek
 DISTRICT Grant COUNTY Wetzel
 QUADRANGLE Folsom 7 1/2' BIG RUN

SURFACE OWNER ACREAGE
 OIL & GAS ROYALTY OWNER LEASE NO. LEASE ACREAGE

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 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

LATITUDE 39° 32' 30"

LONGITUDE 80° 30' 00"

T'5 OGIS topo location

7.5' 10C 0.40 S 15' 10C _____
0.02 W (calc.) _____

Company _____

Farm _____

Quad BIG RUN 7 1/2'

County WETZEL

District GRANT

WELL LOCATION MAP

File No. 103-0928

(101)

Well No. 4 ²⁰²⁴ *Elias Batson* Farm 54 Acres
 Lease No. Grant ^{Formable} District Hitzel County N. Va. State
 Contractor SOUTH FERN DRILLING TOOLS CO. Contractor
 Drilling Commenced Sept. 29, 1924 Drilling Completed Nov. 8, 1924
 N. 6 S. 8 E. 7 W.

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
<i>Regardably Deepen</i>		2485	2485	
<i>Big Injins Sand</i>		2533		
<i>6 7/8" casing</i>			2517	
<i>Sandy Sand</i>	2870	2900		
<i>Shifty Foot Sand</i>	2972	2983	2972	
<i>5 7/8" casing</i>			2979	
<i>Shifty Foot Sand</i>	3006	3018		
<i>Boulder</i>	3105	3125		
<i>Gordon Gray Sand</i>	3147	3192		
<i>Gordon Sand</i>	3197	3216	3197	
<i>Smooth Sand</i>	3223		3223	
<i>Cas.</i>	3236	3242	3236	
<i>Total Depth</i>		3243	3243	

Minute Pressure Feet:-

Date	Opening	1	2	3	4	5	10	15	1 1/2 R.P.	L.P.A.
<i>11/10/24</i>	<i>2"</i>	<i>35</i>	<i>75</i>	<i>75</i>	<i>115</i>	<i>125</i>	<i>130</i>	<i>180</i>	<i>145</i>	<i>70 58</i>

"Refer to Book #1 for 1st Drilling"

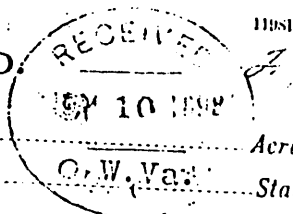
CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT

Size	Put in Well		Pulled Out		Left in Well		Shot Date	Amount	Sand Result
	Feet	In.	Feet	In.	Feet	In.			
<i>6 7/8"</i>	<i>2347</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>			
<i>5 7/8"</i>	<i>3014</i>	<i>6</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>			
<i>4 1/2 x 4"</i>	<i>226</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>			
<i>2"</i>	<i>3271</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>			

Packer Size *2 x 4 1/2"*
 Depth Set *3231*

Production First 24 Hours _____ Bbls. Gas Test *12/10/24* *5 3/16" opening*
 Approved by *F. P. M. Lee* Superintendent

WELL RECORD



Elias Batson, _____ Farm, _____ Acres.
 Grant, _____ District Wetzel County O.W. Va. State.

Well No. 4

Rig Commenced	Aug. 27,	189 8	} E. Myers, _____ Contractor.
Rig Completed	Sept. 3,	189 8	
Drilling Commenced	Sept. 7,	189 8	} Morrow Bros. & Co., _____ Contractor.
Drilling Completed	Oct. 20,	189 8	

FORMATION.	TOP.	REMARKS.	BOTTOM.
Conductor,	16		
10 inch, casing,	859	Pulled.	
8 1/2 inch,	1636		
6 5/8 inch,	2163		
5 3/16 inch,	228		
Pittsburg coal,	1086		
Little Dunkard,	1437		1093
Gas Sand,	1890		1447
Salt Sand,	2014		1930
Pencil Cave,	2300		2115
Big Line,	2305		2305
Black Sand,	2362		2362
Big Injun sand,	2388		2388
- First oil,	2465		
Second pay,	2473		
Total,			2484' 6"

Casing left:
 10 inch, 944 ft.
 8 1/2 inch, 101
 6 5/8 in. 108
 5 3/16 in. 169 ft.

NOTE:
 A good record must show the formation from top to bottom of well.

47-103-0928