

H 114/86

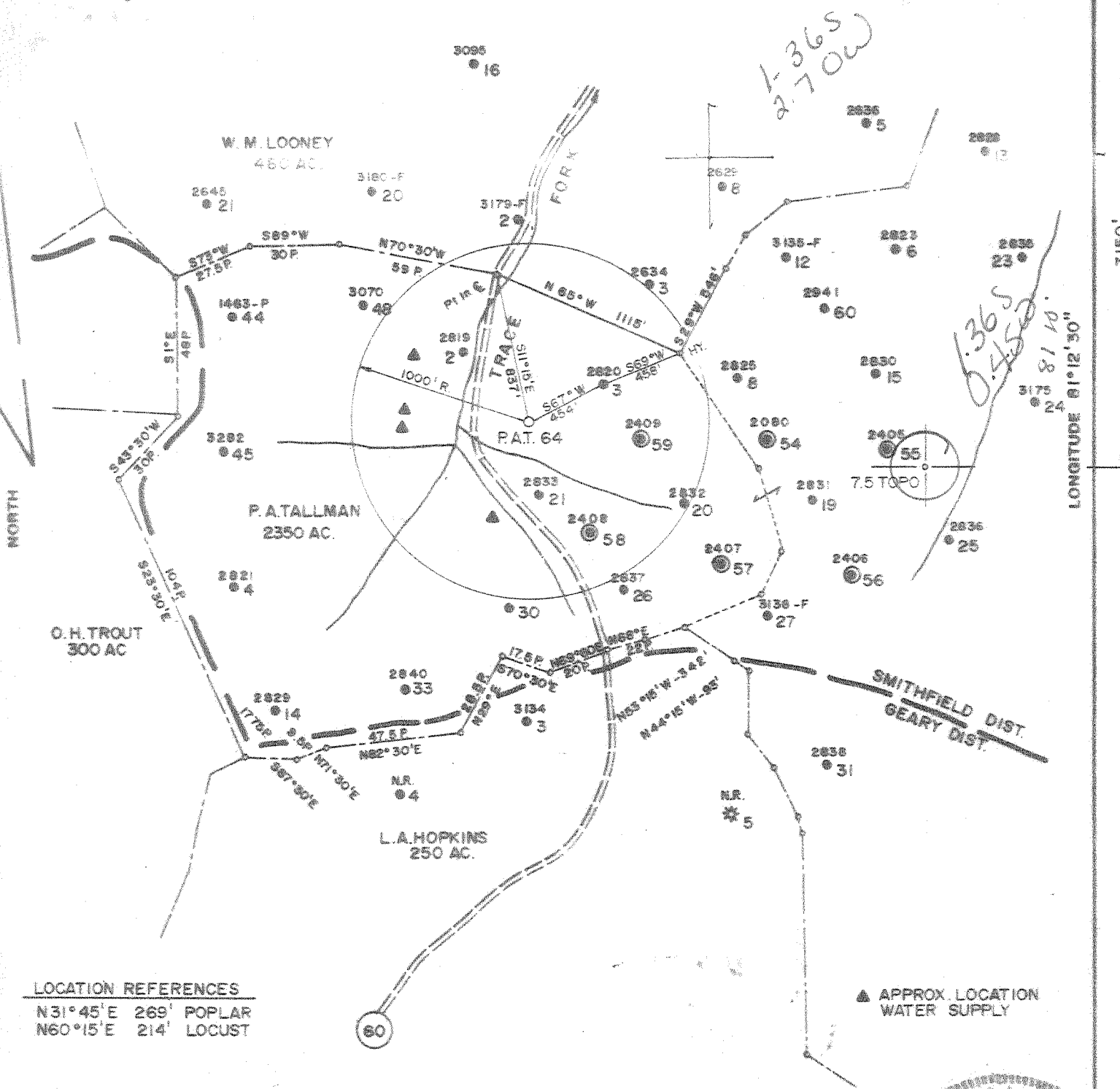
2350'

LATITUDE 38°40'00"

NORTH

7150'

LONGITUDE 81°12'30"

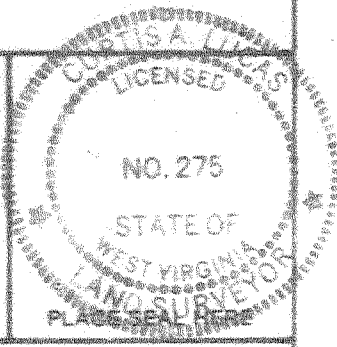


LOCATION REFERENCES  
 N31°45'E 269' POPLAR  
 N60°15'E 214' LOCUST

▲ APPROX. LOCATION WATER SUPPLY

FILE NO. 1344  
 MAP 72 SQS S55 W35  
 SCALE 1" = 800'  
 MINIMUM DEGREE OF ACCURACY 1 IN 200  
 PROVEN SOURCE OF ELEVATION P.A. TALLMAN 58  
 ELEV. 1054.40'

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) *Curtis A. Lucas*  
 CURTIS A. LUCAS LLS 275



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION



DATE MARCH 17 1986  
 FARM P.A. TALLMAN NO. 64  
 API WELL NO.

47 - 087 - 4013-LI  
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WELL TYPE: OIL \_\_\_ GAS \_\_\_ LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS.") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION 1044.51' WATER SHED TRACE FORK  
 DISTRICT SMITHFIELD 5 COUNTY ROANE  
 QUADRANGLE TARIFF 7.5' 635 096 W.C. 4 Other  
 SURFACE OWNER PENNZOIL CO. ACREAGE 64.19  
 OIL & GAS ROYALTY OWNER ANNA LEE COLLINS LEASE ACREAGE 2350  
 LEASE NO. 81216-50  
 PROPOSED WORK: DRILL  CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OF  
 STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW  
 FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION BIG INJUN ESTIMATED DEPTH 2123' 8-0 Tariff (Tallman) (199)  
 WELL OPERATOR PENNZOIL COMPANY DESIGNATED AGENT JAMES A. CREWS  
 ADDRESS P.O. BOX 1586 673 ADDRESS P.O. BOX 1586  
 APR 21 1986



Date October 23, 1986  
 Well No. 64  
 From P.A. Tallman  
 APT No. 47 - 087 - 4013-L1

State of West Virginia  
 DEPARTMENT OF ENERGY  
 Oil and Gas Division

WELL OPERATOR'S REPORT  
 OF  
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil X / Gas / Liquid Injection / Waste Disposal /  
 (If "Gas," Production      / Underground Storage / Deep / Shallow /)

LOCATION: Elevation: 1044.51' Watershed Trace Fork  
 District: Smithfield County Roane Caspangle Tariff 7.5'

COMPANY Pennzoil Company  
 ADDRESS P.O. Box 1588, Parkersburg, WV 26102  
 DESIGNED AGENT James A. Crews  
 ADDRESS P.O. Box 1588, Parkersburg, WV 26102  
 SURFACE OWNER Pennzoil Company  
 ADDRESS \_\_\_\_\_  
 MINERAL RIGHTS OWNER Anna Lee Collins  
 ADDRESS Point Pleasant, WV  
 OIL AND GAS INSPECTOR FOR THIS WORK Homer Dougherty ADDRESS Linden Rt., Box 3-A, Looneyville, WV  
 PERMIT ISSUED 4-14-86  
 DRILLING COMPLETED 4-29-86  
 FRACING COMPLETED 5-06-86  
 IF APPLICABLE: FROGGING OF DEEP HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR FRACING. VERBAL PERMISSION OBTAINED ON \_\_\_\_\_

Casing & Drilling	Used in Drilling	Left in Well	Current Fill up Qty. in ft.
Size 20-16 mm			
12-10"			
8 5/8			
8 5/8	414	414	200 sks.
7			
5 1/2			
4 1/2	2133	2133	80 sks.
3			
2			
Lines used			

GEOLOGICAL REPORT FORMATION Big Injun Depth 2061 feet  
 Depth of completed well 2064 feet Rotary X / Cable Tools \_\_\_\_\_  
 Water surface depth: Fresh N/A feet; Salt 1730 feet  
 Coal seam depths: N/A Is coal being mined in the area? no

OPEN FLOW DATA  
 Producing formation WIW Pay zone depth \_\_\_\_\_ feet  
 Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ bbl/d  
 Final open flow \_\_\_\_\_ Mcf/d Oil: Final open flow \_\_\_\_\_ bbl/d  
 Time of open flow between initial and final tests \_\_\_\_\_ hours  
 Static rock pressure \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in  
 (If applicable due to multiple completion—)  
 Second producing formation \_\_\_\_\_ Pay zone depth \_\_\_\_\_ feet  
 Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ bbl/d  
 Final open flow \_\_\_\_\_ Mcf/d Oil: Final open flow \_\_\_\_\_ bbl/d  
 Time of open flow between initial and final tests \_\_\_\_\_ hours  
 Static rock pressure \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in

(Continue on reverse side)

NOV 03 1986

RECORD OF PERFORATED INTERVALS, FRACURING OR STIMULATING, PRODUCE CHANGE, ETC.

Fractured: 6-20-86

Perforated: 2064-2078/15H

Big Injun w/300 gls. 15% HCL, 145 bbls. 20# gelled water, 1500# 20/40 sd.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all tests and salt water, coal, oil and gas
			0	30	
Sand			30	100	
Silty Shale			100	142	
Sand			142	364	
Silty Shale			364	398	
Silty Sand			398	434	
Silty Shale			434	450	
Sand			450	1487	
Shale, Sand			1487	1521	
1st Salt Sand			1521	1539	
Silt & Shale			1539	1695	
2nd Salt Sand			1695	1730	
Silt & Shale			1730	1885	
3rd Salt Sand			1885	1917	
Little Lime			1917	1922	
Blue Monday			1922	1940	
Pencil Cave			1940	2046	
Big Lime			2046	2061	
Keener			2061	2080	
Big Injun			2080	2153	
Pocono Shale				2153	
Total Depth					

(Attach separate sheets as necessary)

Pennzoil Company

Well Operator

By: Curtis A. Luman

Date: 10-27-86

Note: Regulation 2.02(c) provides as follows:  
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including tests, encountered in the drilling of a well."

