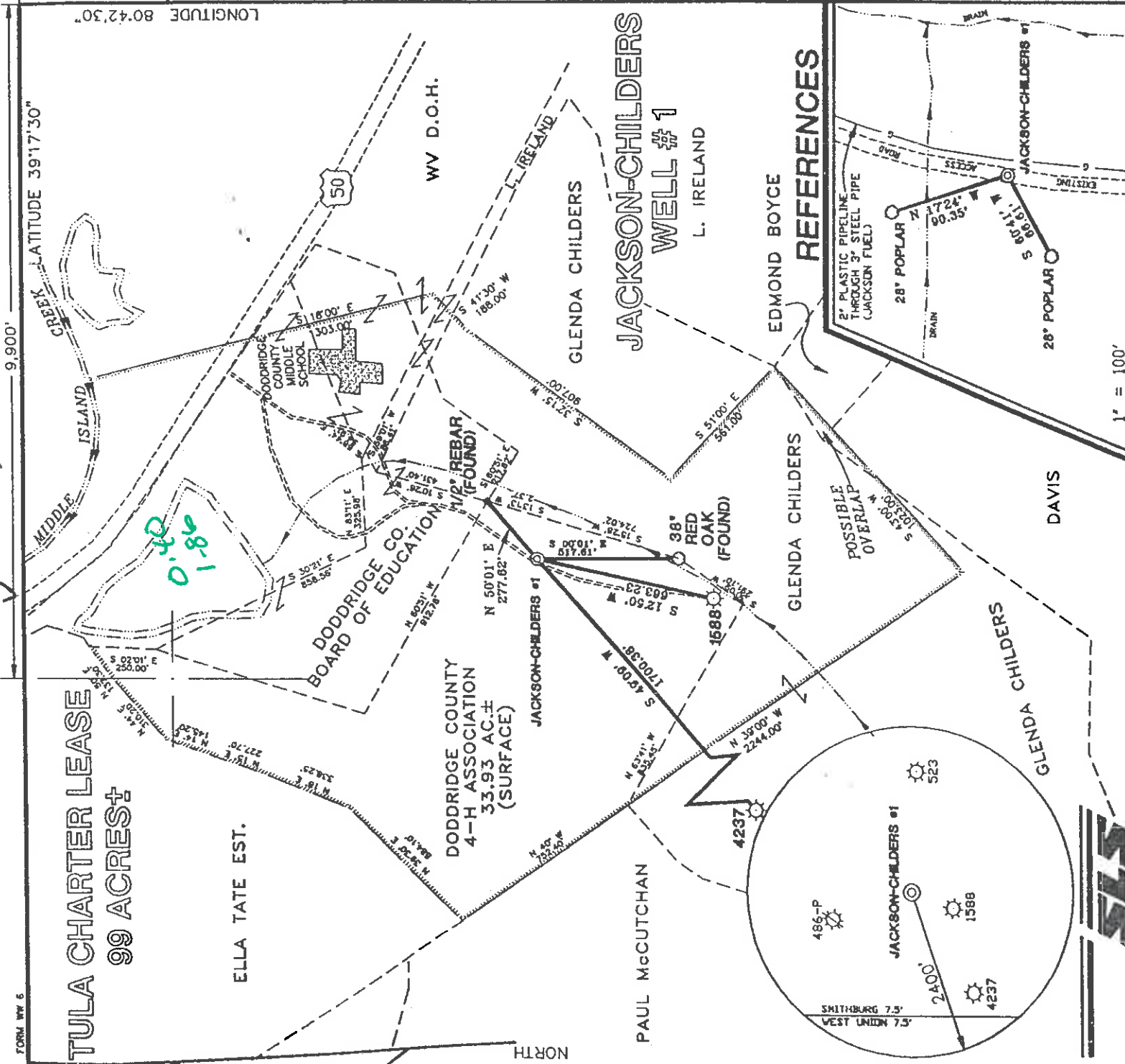


# TULA CHARTER LEASE 99 ACRES±

ELLA TATE EST.

LONGITUDE 80°42'30" 2.200'

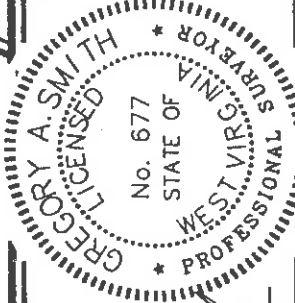
9.900' LATITUDE 39°17'30"



## REFERENCES



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE JUNE 16, 19 98  
 OPERATORS WELL NO. JACKSON-CHILDERS #1  
 API NO. 47-017  
 WELL NO. 47-017 STATE COUNTY PERMIT NO. 04487



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 ENERGY.

P.S. 677 *Gregory A. Smith*

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 3989P1 (69-18)  
 PROVEN SOURCE OF ELEVATION BENCH MARK ELEVATION 797 SCALE 1" = 500'



WELL TYPE : OIL  GAS  LIQUID WASTE  INJECTION  DISPOSAL  "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION : ELEVATION 862' WATERSHED TRIBUTARY OF MIDDLE ISLAND CREEK  
 DISTRICT WEST UNION COUNTY DODDRIDGE QUADRANGLE SMITHBURG 7.5'  
 SURFACE OWNER DODDRIDGE COUNTY 4-H ASSOCIATION ACREAGE 33.93  
 ROYALTY OWNER DODDRIDGE COUNTY 4-H FOUNDATION ET AL LEASE ACREAGE 99 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK :  
 DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD  
 FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER  
 PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION ALEXANDER  
 \_\_\_\_\_ ESTIMATED DEPTH 5100'

WELL OPERATOR JACKSON FUEL CORPORATION 5939 DESIGNATED AGENT DAVID NICHOLS  
 ADDRESS P.O. BOX 219 VOLGA, WV 26238 ADDRESS P.O. BOX 219 VOLGA, WV 26238  
 PERMIT NO. 4487

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: DODDRIDGE CO 4-H ASSOC. Operator Well No.: CHILDERS #1

LOCATION: Elevation: 862.00 Quadrangle: SMITHBURG

District: WEST UNION County: DODDRIDGE  
Latitude: 2200 Feet South of 39 Deg. 17Min. 30 Sec.  
Longitude 9900 Feet West of 80 Deg. 42 Min. 30 Sec.

Company: JACKSON FUEL CORPORATION  
P. O. BOX 219  
VOLGA, WV 26238-0000

Agent: DAVID C. NICHOLS, II

Inspector: MIKE UNDERWOOD  
Permit Issued: 09/09/98  
Well work Commenced: 12/14/98  
Well work Completed: 12/22/98  
Verbal Plugging  
Permission granted on: 12/12/98  
Rotary X Cable Rig  
Total Depth (feet) 5180  
Fresh water depths (ft) 55  
Salt water depths (ft) 970

Is coal being mined in area (Y/N)? N  
Coal Depths (ft):

OPEN FLOW DATA

Producing formation Alexander  
Gas: Initial open flow 10 MCF/d Oil: Initial open flow N/A Bbl/d  
Final open flow 919 MCF/d Final open flow show Bbl/d  
Time of open flow between initial and final tests  
Static rock Pressure 7 psig (surface pressure) after 72 Hours

Second producing formation Benson  
Gas: Initial open flow 20 MCF/d Oil: Initial open flow N/A Bbl/d  
Final open flow MCF/d Final open flow show Bbl/d  
Time of open flow between initial and final tests 4 hrs. Hours  
Static rock Pressure 1625 psig (surface pressure) after 72 Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: JACKSON FUEL CORPORATION

By:   
Date: 1/19/98

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4	132	132	55 sks.
8 5/8	1107	1107	300 sks.
4 1/2	5132	5132	560 sks.

RECEIVED  
Office of Oil & Gas  
Permitting  
JAN 22 1999  
WV Division of  
Environmental Protection

Frac Halliburton 25 X-Link Gel

12/30/98

Alex	Perfs	Holes	Sand	BID	BBL	ISIP
	4970	20	40,000	2130	405	1870
	5018					
Benson	4618	18	40,000	2111	543	1640
Riley	4701					
Balltown	3778	16	30,000	3800	370	1580

0' - 5'	Fill
5' - 100'	Red Rock
100' - 280'	Shale
280' - 1000'	Shale Red Rock
1000' - 1300'	Shale
1300' - 1400'	Salt Sand
1400' - 1550'	Shale
1550' - 1580'	Little Lime
1580' - 1610'	Blue Monday
1610' - 1700'	Shale
1700' - 1760'	Big Lime
1760' - 1780'	Pocono
1780' - 1960'	Shale
1960' - 2010'	Weir
2010' - 2130'	Shale
2130' - 2150'	Gantz
2150' - 2350'	Shale
2350' - 2350'	Gordon Stray
2350' - 2670'	Shale
2670' - 2690'	Gordon
2690' - 3030'	Shale
3030' - 3060'	Bayard
3060' - 3530'	Shale
3530' - 3550'	Speechley
3550' - 3780'	Shale
3780' - 3810'	Balltown
3810' - 4230'	Shale
4230' - 4260'	Bradford
4260' - 4620'	Shale
4620' - 4630'	Riley
4630' - 4680'	Shale
4680' - 4890'	Benson
4890' - 4980'	Shale
4980' - 5030'	Alexander
5030' - 5180'	Shale