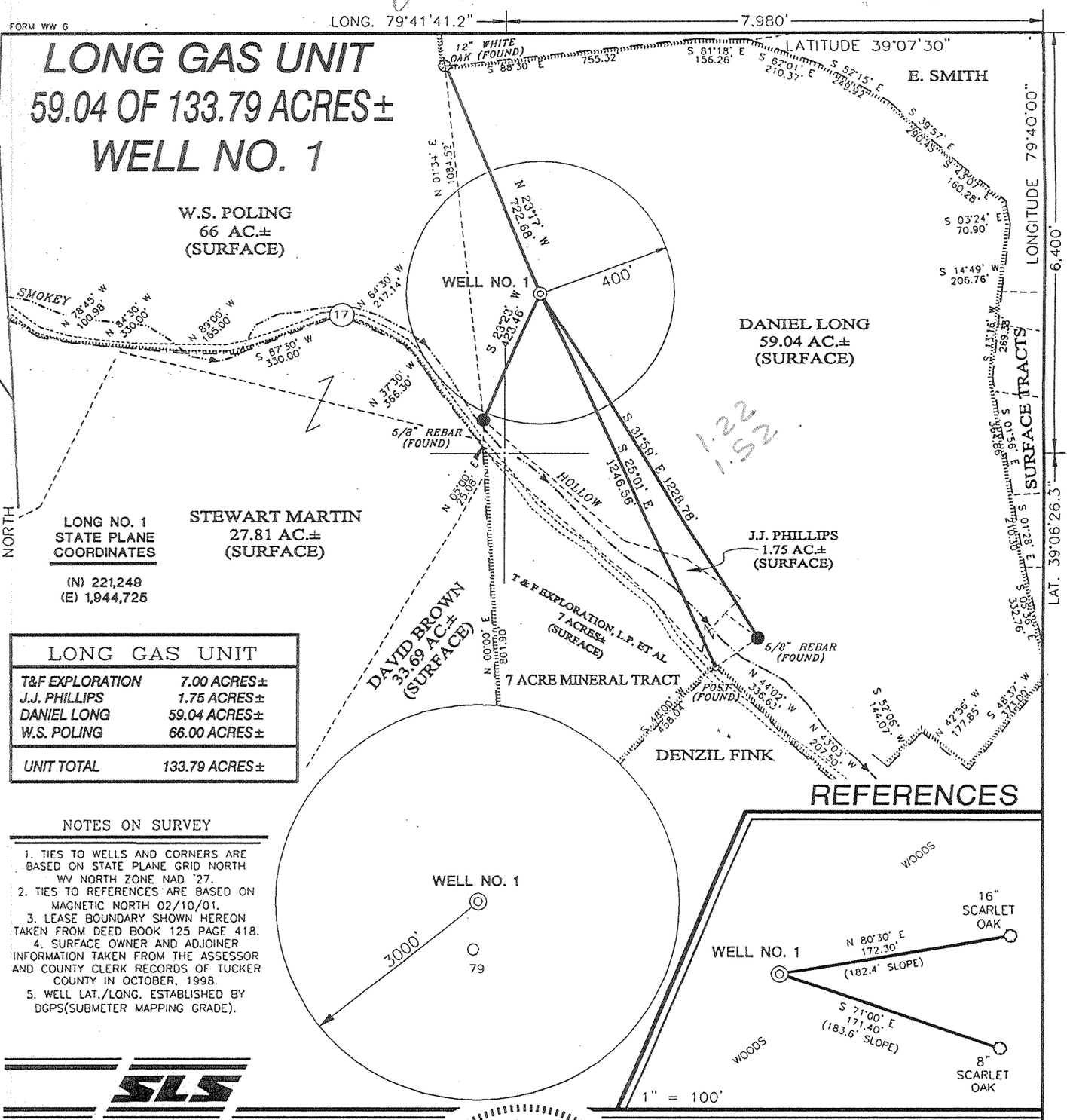
FORM WW 6

LONG GAS UNIT
59.04 OF 133.79 ACRES±
WELL NO. 1



LONG GAS UNIT	
T&F EXPLORATION	7.00 ACRES±
J.J. PHILLIPS	1.75 ACRES±
DANIEL LONG	59.04 ACRES±
W.S. POLING	66.00 ACRES±
UNIT TOTAL	133.79 ACRES±

NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV NORTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 02/10/01.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 125 PAGE 418.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF TUCKER COUNTY IN OCTOBER, 1998.
5. WELL LAT./LONG. ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).

REFERENCES

SLS

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

GREGORY A. SMITH LICENSED No. 677 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR

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

DATE FEBRUARY 12, 20 01

OPERATORS WELL NO. 1

API WELL NO. 47 - 093 - 00080
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200

PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 1652'

FILE NO. 4076PLONG1 (69-56)

SCALE 1" = 400'

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

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

LOCATION :

ELEVATION 2047' WATERSHED TRIBUTARY OF SHAVERS FORK OF CHEAT RIVER

DISTRICT BLACK FORK COUNTY TUCKER QUADRANGLE PARSONS 7.5'

SURFACE OWNER DANIEL LONG ACREAGE 59.04

ROYALTY OWNER DANIEL LONG, T & F EXPLORATION, L.P. ET AL LEASE ACREAGE 59.04 OF 133.79

PROPOSED WORK : LEASE NO. ___

DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___ OTHER ___

PHYSICAL CHANGE IN WELL (SPECIFY) ___ TARGET FORMATION ORISKANY

ESTIMATED DEPTH 4500'

COUNTY NAME Tuc

PERMIT 0080

WELL OPERATOR T & F OPERATING, INC. DESIGNATED AGENT THOMAS DUNN

ADDRESS 186 S. KANAWHA ST., P.O. BOX 428 BUCKHANNON, WV 26201

ADDRESS 186 S. KANAWHA ST., P.O. BOX 428 BUCKHANNON, WV 26201

MAR 02 2001

(Unmarked) 66

WR-35

DATE:
API #: 47-093-00080

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

DEEP

Well Operator's Report of Well Work

Farm name: Daniel Long Unit Operator Well No.: 1

LOCATION: Elevation: 2047' Quadrangle: Parsons 7.5'

District: Black Fork County: Tucker
Latitude: 6400 Feet South of 39 Deg. 07 Min. 30 Sec.
Longitude 7980 Feet West of 79 Deg. 40 Min. 00 Sec.

Company: T&F Exploration, LP

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: 186 S. Kanawha Street	11-3/4"	27'	27'	0 sx
PO Box 428, Buckhannon, WV 26201	8-5/8"	1017'	1017'	CTS (285 sx)
Agent: Thomas B. Dunn	4-1/2"	4352'	4352'	TOC @ 3300'
Inspector: Craig Duckworth				
Date Permit Issued: 2/27/2001				
Date Well Work Commenced: 3/30/01				
Date Well Work Completed: 4/27/01				
Verbal Plugging: N/A				
Date Permission granted on:				
Rotary X Cable Rig SWJ #21				
Total Depth (feet): 4,386'				
Fresh Water Depth (ft.): 300'				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): N/A				

OPEN FLOW DATA

Producing formation Huntersville Chert Pay zone depth (ft) 3980'
Gas: Initial open flow N/A MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow 3500 MCF/d Final open flow ____ Bbl/d
Time of open flow between initial and final tests 2 Hours
Static rock Pressure N/A psig (surface pressure) after ____ Hours

Second producing formation Oriskany Pay zone depth (ft) 4140'
Gas: Initial open flow N/A MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow 3500 MCF/d Final open flow ____ Bbl/d
Time of open flow between initial and final tests 2 Hours
Static rock Pressure 1643 psig (surface pressure) after 48 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.

Signed: William A. Straslicka
By: William A. Straslicka, P.E.
Date: 3/26/02

SEP 17 2004

RECEIVED
Office of Oil & Gas
JUL 29 2004
WV Department of
Environmental Protection

TUC 0080

1) Perforated Intervals

a) Huntersville Chert Perfs @ 4016 – 23' (2 SPF), 4023-39' (1 SPF)
b) Oriskany Perfs @ 4226 – 33' (4 SPF), 4246-53' (1 SPF)

Stimulation

a) Oriskany - Breakdown Oriskany @ 2712 psig with acid. Ballout perfs with 1000 gal acid. Frac Oriskany with 310 sx 20/40 sand. AIP – 2538#, AIR – 29 BPM, ISIP – 1888#.
b) Huntersville Chert – Spot 500 gal acid. Breakdown Chert @ 2347 psig. Pump 500 gal acid. Frac Chert with 330 sx sand. AIP – 2050#, AIR – 31 BPM, ISIP –1694#.

2) Well Log

Formation	Top (ft)	Bottom (ft)
Coal	N/A	N/A
Devonian Siltstones and Shales	0	3396
Harrell Shale	3396	3431
Tully Limestone	3431	3514
Shale	3514	3828
Upper Marcellus	3828	3868
Purcell Limestone	3868	3906
Lower Marcellus	3906	3956
Onondaga Limestone	3956	3980
Huntersville Chert	3980	4140
Oriskany Sandstone	4140	4286
Heldeberg Limestone	4286	4386
Total Depth	4386	

NORTRAK NAVIGATION SURVEY PROGRAM
Operator: T&F Exploration, LP
Description: Long Unit #1 Well Directional Survey
Radius of curvature method.

SURVEY #	MEASURED DEPTH (feet)	DRIFT ANGLE (deg)	DRIFT DIRECTION (deg)	COURSE LENGTH (feet)	TRUE VERTICAL DEPTH (feet)	VERTICAL SECTION (feet)	RECTANGULAR COORDINATES (feet)
1	500.0	2.00	S 53.00 E	500.0	499.9	-7.0	5.3 S 7.0 E
2	700.0	10.00	S 53.00 E	200.0	698.6	-23.7	17.8 S 23.7 E
3	834.0	13.75	S 53.00 E	134.0	829.8	-45.7	34.4 S 45.7 E
4	900.0	14.00	S 53.00 E	66.0	893.8	-58.3	43.9 S 58.3 E
5	1025.0	16.75	S 53.00 E	125.0	1014.3	-84.8	63.9 S 84.8 E
6	1136.0	17.00	S 53.00 E	111.0	1120.6	-110.5	83.3 S 110.5 E
7	1230.0	18.50	S 53.00 E	94.0	1210.1	-133.4	100.5 S 133.4 E
8	1292.0	19.00	S 53.00 E	62.0	1268.8	-149.3	112.5 S 149.3 E
9	1382.0	20.00	S 53.00 E	90.0	1353.6	-173.3	130.6 S 173.3 E
10	1456.0	20.00	S 53.00 E	74.0	1423.2	-193.5	145.8 S 193.5 E
11	1519.0	19.00	S 48.00 E	63.0	1482.6	-209.7	159.2 S 209.7 E
12	1581.0	19.00	S 48.00 E	62.0	1541.2	-224.7	172.7 S 224.7 E
13	1643.0	18.00	S 47.00 E	62.0	1600.0	-239.2	183.0 S 239.2 E
14	1708.0	17.50	S 46.00 E	65.0	1661.9	-253.6	199.6 S 253.6 E
15	1804.0	16.25	S 44.00 E	96.0	1753.7	-273.3	219.3 S 273.3 E
16	1897.0	15.50	S 46.00 E	93.0	1843.2	-291.3	237.3 S 291.3 E
17	1990.0	15.00	S 47.00 E	93.0	1932.9	-309.1	254.2 S 309.1 E
18	2087.0	13.50	S 46.00 E	97.0	2026.9	-326.4	270.6 S 326.4 E
19	2180.0	12.00	S 45.00 E	93.0	2117.6	-341.0	285.0 S 341.0 E
20	2303.0	10.00	S 47.00 E	123.0	2238.4	-357.9	301.3 S 357.9 E
21	2394.0	9.00	S 47.00 E	91.0	2328.1	-368.9	311.5 S 368.9 E
22	2555.0	9.50	S 43.00 E	161.0	2487.0	-387.2	329.8 S 387.2 E
23	2677.0	9.25	S 43.00 E	122.0	2607.4	-400.7	344.4 S 400.7 E
24	2830.0	9.00	S 43.00 E	153.0	2758.5	-417.3	362.1 S 417.3 E
25	3697.0	8.00	S 44.00 E	867.0	3615.9	-505.5	455.1 S 505.5 E
26	3956.0	7.70	S 44.28 E	259.0	3872.5	-530.1	480.4 S 530.1 E
27	3980.0	7.67	S 44.30 E	24.0	3896.3	-532.4	482.7 S 532.4 E
28	4140.0	7.49	S 44.27 E	160.0	4054.9	-547.1	497.8 S 547.1 E

Final Closure Direction: S 47.70 E
Final Closure Distance: 739.718 feet

SEP 17 2004

Surveys 26, 27, & 28 represent the MD tops of the Onondaga, Chert, and Oriskany formations respectively. The predicted angles, directions, TVDS, and rectangular coordinates were made using the radius of curvature method, projecting the borehole from station 24 through station 25 (the last 2 actual survey stations) to those measured depth tops.

THC 0800