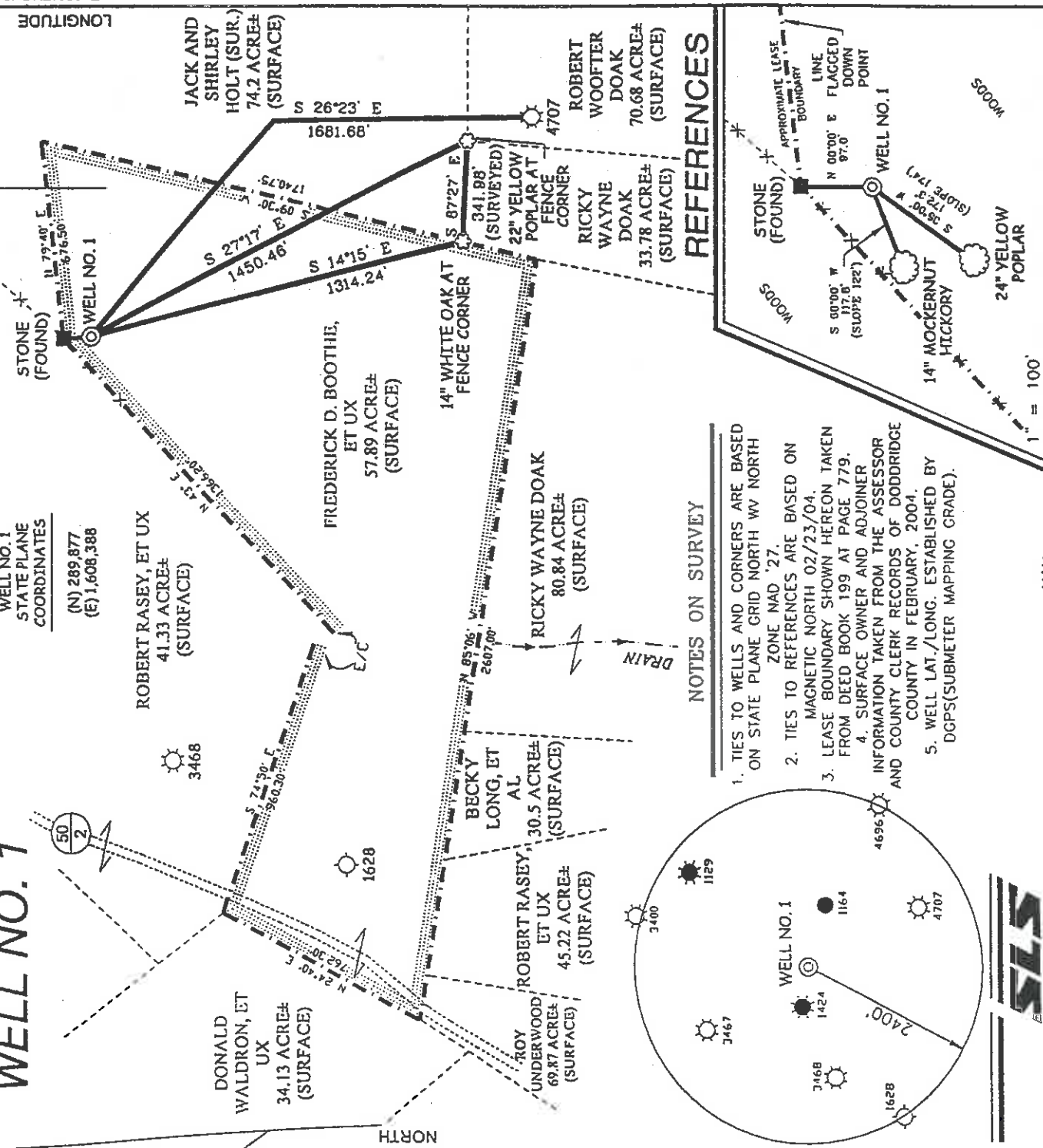


BOOTHE LEASE 59 ACRES± WELL NO. 1

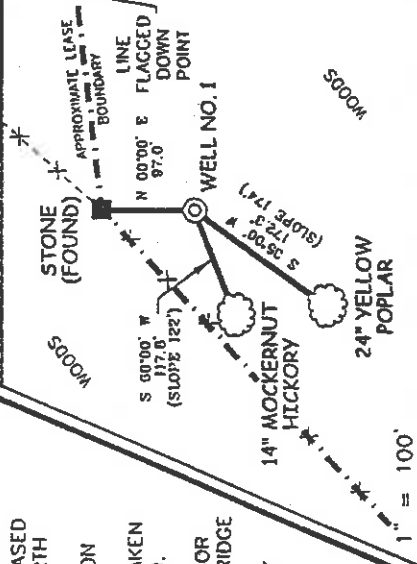
LAT. 39°17'15.4" LONGITUDE 80°52'30" 1.460

LONG. 80°53'01.0" LATITUDE 39°17'30"

WELL NO. 1
STATE PLANE
COORDINATES
(N) 289,877
(E) 1,608,388



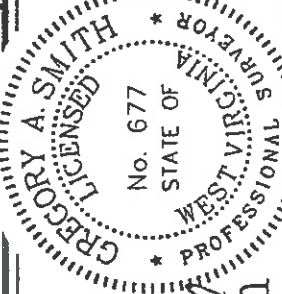
REFERENCES



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 02/23/04.
3. LEASE BOUNDARY SHOWN HERON TAKEN FROM DEED BOOK 199 AT PAGE 779.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN FEBRUARY, 2004.
5. WELL LAT./LONG. ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).

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 DIVISION OF ENVIRONMENTAL PROTECTION.



P.S. 677 *Gregory A. Smith*

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

DATE MARCH 2, 20 04
OPERATORS WELL NO. _____ BOOTHE NO. 1
API WELL NO. 47-017 STATE _____ COUNTY _____ PERMIT 04817

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 1322AP1(147-60)
PROVEN SOURCE OF ELEVATION _____ SCALE 1" = 500'
DGPS (SUBMETER MAPPING GRADE)



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

LOCATION: ELEVATION 1072' WATERSHED _____ TRIBUTARY OF LONG RUN
DISTRICT CENTRAL COUNTY DODDRIDGE QUADRANGLE PENNSBORO 7.5'
SURFACE OWNER FREDERICK D. BOOTHE, ET UX ACREAGE 57.89±
ROYALTY OWNER FREDERICK D. BOOTHE, ET AL LEASE ACREAGE 59± 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 5,600'

WELL OPERATOR KEY OIL COMPANY DESIGNATED AGENT JAN CHAPMAN
ADDRESS 22 GARTON PLAZA WESTON, WV 26452 ADDRESS 22 GARTON PLAZA WESTON, WV 26452

000P 4817

10-6 *Flintwood 89*

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

[Signature]

Well Operator's Report of Well Work

Farm Name: FREDERICK D. BOOTHE, ET. UX.

Operator Well No. : BOOTHE NO. 1

LOCATION: Elevation: 1072'

Quadrangle: PENNSBORO

District: CENTRAL
Latitude: 1480 Feet South of 39 Deg. 17 Min. 30 Sec.
Longitude: 2480 Feet West of 80 Deg. 52 Min. 30 Sec.

County: DODDRIDGE

Company: KEY OIL COMPANY
22 GARTON PLAZA
WESTON, WV 26452-0000

Agent: JAN CHAPMAN

Inspector: MIKE UNDERWOOD
Permit Issued: 03/31/04
Well Work Commenced: 06/22/04
Well Work Completed: 06/26/04

Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5392'
Fresh water depths (ft) 79'
Salt water depths (ft) 1320'

Is coal being mined in area (Y / N)? N
Coal Depths (ft): NONE

OPEN FLOW DATA

Balltown 4045' - 4474'
Riley 4491' - 4572'
Benson 4918' - 4930'
Alexander 5168' - 5253'
Gas: Initial open flow _____ MCF / d Oil: Initial open flow 0 Bbl / d
Final open flow 1,858 MCF / d Oil: Final open flow show Bbl / d
Time of open flow between initial and final tests N/A Hours
Static rock pressure 1925 psig (surface pressure) after 96 Hours

Second producing formation _____ Pay zone depth (ft) _____
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 pressure) after _____ 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.

0000 4817

For: KEY OIL COMPANY

By: *[Signature]*
Date: November 26, 2004

RECEIVED
Office of Oil & Gas
Office of Chief
DEC 02 2004
WV Department of
Environmental Protection

DEC 23 2004

Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
11 3/4"	131'	131'	55 sks To Surface
8 5/8"	1930'	1930'	440 sks To Surface
4 1/2"	4336'	5336'	460 sks.

Booth #1 (47-017-4817)
Three Stage Foam Frac - BJ Services

1st Stage: Alexander (13 holes) (5218' to 5232.25') 60 Quality Foam,
500 gal. 15% HCL, 60,000# 20/40 sand,
550,000 SCF N2, 815 bbls foam

2nd Stage: Benson (12 holes) (4923.50' to 4926.25') 60 Quality Foam,
750 gal 15% HCl, 35,000# 20/40 sand,
390,000 SCF N2, 571 bbls foam

3rd Stage: Riley (10 holes) (4539.50' to 4532') 60 Quality Foam, 750 gal 15% HCl
Balltown (3 holes) (4149.50' to 4450') 5,000# 80/100 sand, 30,000# 20/40 sand,
380,000 SCF N2, 605bbls foam

WELL LOG

KB	0	10	
Clay	10	14	
Shale & Red Rock	14	57	
Sand & Shale	57	155	1/2" water @ 79'
Shale & Red Rock	155	177	
Sand & Shale	177	265	
Sand & Shale & Red Rock	265	546	
Sand & Shale	546	714	
Limestone	714	725	
Sand & Shale	725	850	
Shale & Red Rock	850	953	
Sand & Shale	953	1044	
Red Rock	1044	1058	
Sand & Shale	1058	1150	
Sand	1150	1170	
Sand & Shale	1170	1875	3/4" water # 1320'
Sand	1875	1902	
Sand & Shale	1902	1912	
Little Lime	1912	1943	
Big Lime	1943	1998	
Big Injun	1998	2083	
Shale	2083	2270	
Weir	2270	2395	
Shale	2395	3247	<u>Gas Checks</u>
Warren	3247	3420	3608' - No Show
Shale	3420	4045	3809' - Odor
Balltown	4045	4474	4500' - Odor
Shale	4474	4491	4907' - Odor
Riley	4491	4572	5158' - Odor
Shale	4572	4918	
Benson	4918	4930	
Shale	4930	5168	
Alexander	5168	5392	
TD	5392		