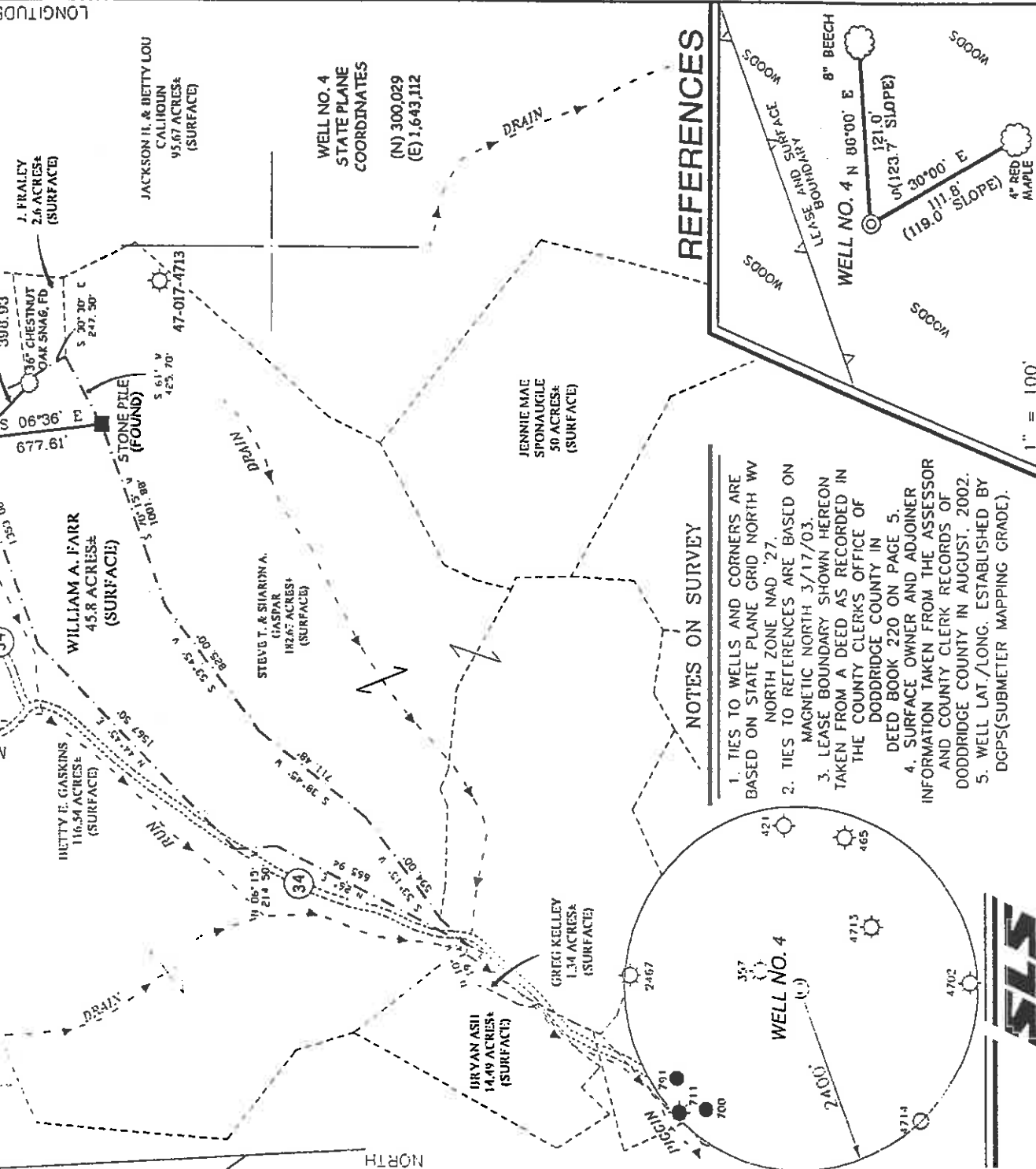


LONG. 80°45'41.2" LATITUDE 39°20'00"

LONGITUDE 80°45'00" LAT. 39°19'00.8" 5.950

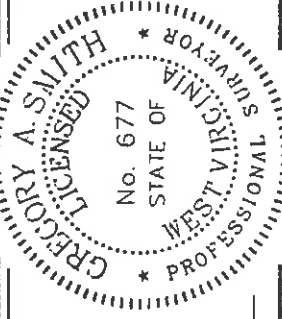
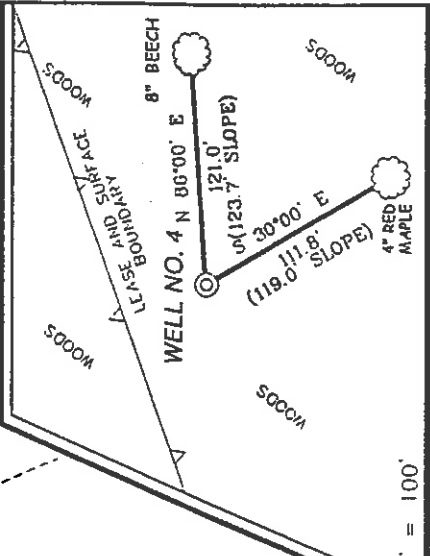
W. FARR LEASE 45.8 ACRES ± WELL NO. 4



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 3/17/03.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A DEED AS RECORDED IN THE COUNTY CLERK'S OFFICE OF DODDRIDGE COUNTY IN SURFACE DEED BOOK 220 ON PAGE 5.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN AUGUST, 2002.
5. WELL LAT./LONG. ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).

REFERENCES



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 BY THE REGULATION'S 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 19, 20 03
 OPERATORS WELL NO. FARR NO. 4
 API WELL NO. 47-17-17
 COUNTY PERMIT 04725

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 511BP4 (140-42)
 PROVEN SOURCE SCALE 1" = 800'
 TOP OF KNOB ELEVATION = 1,284'

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



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

LOCATION : ELEVATION 1,021' DISTRICT WEST UNION COUNTY DODDRIDGE WATERSHED PIGGIN RUN

SURFACE OWNER WILLIAM A. FARR QUADRANGLE WEST UNION 7.5' ACREAGE 45.8±
 ROYALTY OWNER WILLIAM A. FARR ET AL LEASE ACREAGE 45.8± 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

COUNTY NAME Dodd PERMIT 4725

(Smithton - Flint - Seale 99)

mf

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

Well Operator's Report of Well Work

Farm Name: WILLIAM A. FARR

Operator Well No. : FARR #4

LOCATION: Elevation: 1021.00

Quadrangle: WEST UNION

District: WEST UNION

County: DODDRIDGE

Latitude: 5950 Feet South of 39 Deg. 20 Min. 00 Sec.

Longitude: 3280 Feet West of 80 Deg. 45 Min. 00 Sec.

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

Agent: JAN E. CHAPMAN

Inspector: MIKE UNDERWOOD
Permit Issued: 10/19/03
Well Work Commenced: 10/17/03
Well Work Completed: 10/20/03

Verbal Plugging
Permission granted on: _____ Rig
Rotary X Cable _____
Total Depth (feet) 5469'
Fresh water depths (ft) 68', 390'
Salt water depths (ft) NONE

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

OPEN FLOW DATA

Warren
Speechley
Balltown
Rileys
Benson
Elk

Producing formation Alexander
Gas: Initial open flow 84 MCF / d
Final open flow 1,858 MCF / d
Time of open flow between initial and final tests N/A
Static rock pressure 1700 psig (surface pressure) after 96 Hours

3332' - 3388'
3401' - 3494'
3694' - 4349'
4504' - 4963'
4992' - 4998'
5158' - 5194'
5231' - 5332'

Second producing formation Commingled
Gas: Initial open flow _____ MCF / d
Final open flow _____ MCF / d
Time of open flow between initial and final tests _____
Static rock pressure _____ psig (surface pressure) after _____ Hours

Pay zone depth (ft) _____
Oil: Initial open flow _____ Bbl / d
Oil: Final open flow _____ Bbl / d
Hours _____
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: KEY OIL COMPANY

By: *Jan Chapman*
Date: January 18, 2004

PRESIDENT

RECEIVED
Office of Oil & Gas
Office of Chief
JAN 23 2004
WV Department of
Environmental Protection

Dodd 4725

FEB 19 2004

W. Farr #4 (47-017-4725)
Four Stage Foam Frac - BJ Services

1 st Stage:	Alexander (13 holes) (5263' to 5321.75') Elk (2 holes) (5188' & 5188.25')	60 Quality Foam. 500 gal. 15% HCL. 60,000# 20/40 sand, 565,000 SCF N2, 817 bbls foam.
2 nd Stage:	Benson (6 holes) (4994.25' to 4995.50') Third Riley (7 holes) (4901.75' to 4959.25')	60 Quality Foam. 750 gal. 15% HCL. 30,000# 20/40 sand, 359,000 SCF N2, 527 bbls foam.
3 rd Stage:	Riley (10 holes) (4537.25' to 4558.25) Baltown (3 holes) (4141.75' to 4142.25')	60 Quality Foam 1,000 gal 15% HCL. 5,000# 80/100 sand, 35,000# 20/40 sand, 448,000 SCF N2, 618 bbls foam.
4 th Stage:	Speechley (5 holes) (3442.25' to 3484.50') Warren (8 holes) (3363.75' to 3380.25')	60 Quality Foam 750 gal 15% HCL. 5,000# 80/100 sand, 45,000# 20/40 sand, 517,000 SCF N2, 731 bbls foam.

WELL LOG

KB-GL	0	10	
Fill	10	13	
Sand	13	27	
Sand & Shale & Red Rock	27	180	
Sand & Shale	180	420	Damp & 68' 1" water @ 390'
Sand	420	446	
Red Rock	446	466	
Sand & Shale & Red Rock	466	541	
Sand & Shale	541	918	
Sand	918	1045	
Sand & Shale	1045	1902	
Little Lime	1902	1943	
Big Lime	1943	2000	
Big Injun	2000	2140	
Shale	2140	2257	
Weir	2257	2349	
Shale	2349	2452	
Berea	2452	2480	
Shale	2480	2668	
Gordon	2668	2716	
Shale	2716	3332	
Warren	3332	3388	
Shale	3388	3401	
Speechley	3401	3494	
Shale	3494	3694	
Balltown	3694	4349	
Shale	4349	4504	
Riley	4504	4592	
Shale	4592	4848	
Third Riley	4848	4963	
Shale	4963	4992	
Benson	4992	4998	
Shale	4998	5158	
Elk	5158	5194	
Shale	5194	5231	
Alexander	5231	5332	
Shale	5332	5469	
TD	5469		

Gas Checks

1858' - No snow
2015' - Odor
2108' - Odor
2764' - 14/10^{ths} 2" -w/water
3301' - 4/10^{ths} 2" -w/water
4154' - 4/10^{ths} 2" -w/water
4525' - 4/10^{ths} 2" -w/water
4902' - 4/10^{ths} 2" -w/water
5218' - 4/10^{ths} 2" -w/water