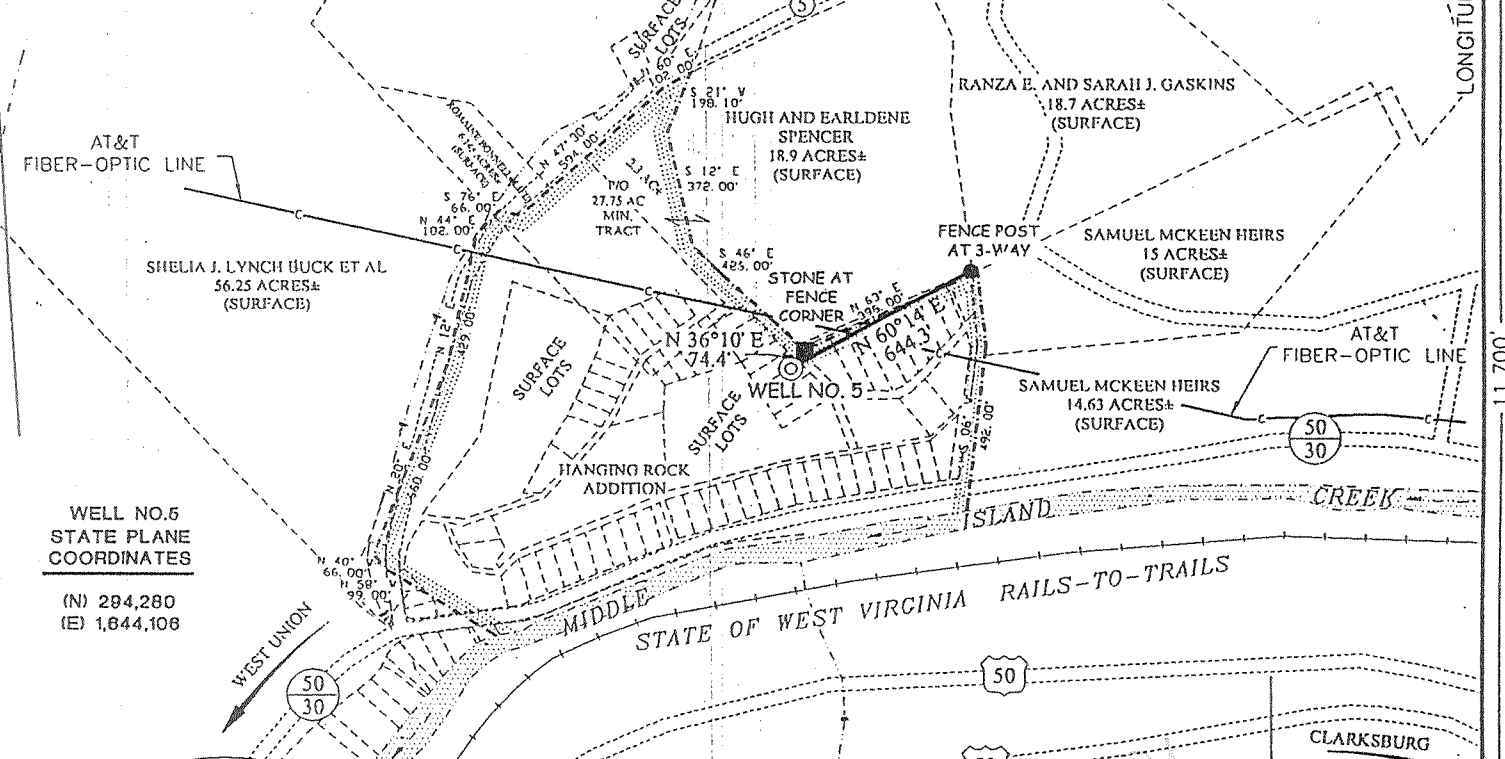
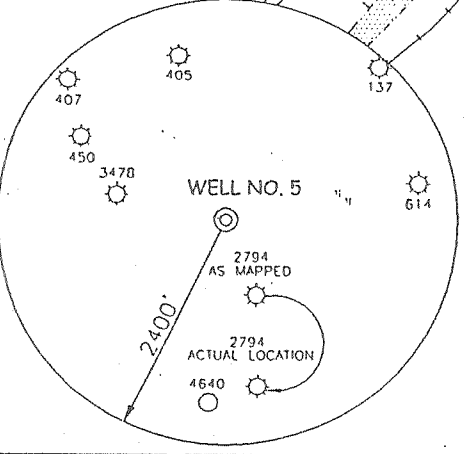


LONGACRE LEASE 38 ACRES± WELL NO. 5

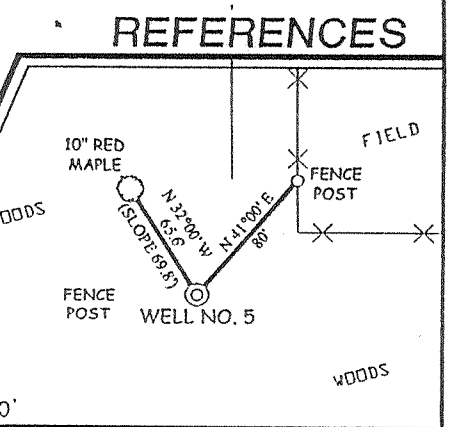


WELL NO.5
STATE PLANE
COORDINATES
(N) 294,280
(E) 1,644,108



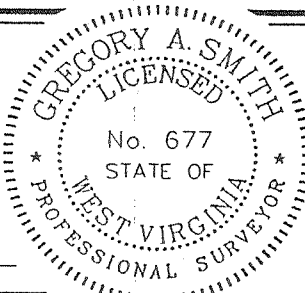
NOTES ON SURVEY

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 7/31/02.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A TITLE OPINION DATED 5/19/02 AS PREPARED BY GARY MORRIS, LAWYER.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN JUNE, 2002.
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 DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 677 Gregory A. Smith



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE AUGUST 8, 20 02
OPERATORS WELL NO. LONGACRE NO. 5
API WELL NO. 47-17-04700
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 5033P5 (126-30)
PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1,235' SCALE 1" = 600'

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

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

LOCATION : ELEVATION 985' WATERSHED ROCK RUN
DISTRICT WEST UNION COUNTY DODDRIDGE QUADRANGLE WEST UNION 7.5'

SURFACE OWNER WILLIAM WHITEHILL ACREAGE 5.31±
ROYALTY OWNER FRANKLIN L. BUTLER AND KEY OIL CO. ET AL LEASE ACREAGE 38±

PROPOSED WORK : LEASE NO. _____
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 GORDON/FIFTHSAND
ESTIMATED DEPTH 2,900'

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

(SMITHSON - EAST SECONIA FIELD)

COUNTY NAME Dodd
PERMIT 4700

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

Handwritten initials

Well Operator's Report of Well Work

Farm Name: FRANKLIN L. BUTLER & KEY OIL COMPANY

Operator Well No. : LONGACRE #5

LOCATION: Elevation: 985' Quadrangle: WEST UNION

District: WEST UNION County: DODDRIDGE
Latitude: 11,700 Feet South of 39 Deg. 20 Min. 00 Sec.
Longitude: 2,200 Feet West of 80 Deg. 45 Min. 00 Sec.

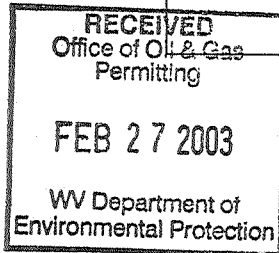
Company: KEY OIL COMPANY
22 GARTON PLAZA
WESTON, WV 26452-0000

Agent: JAN E. CHAPMAN

Inspector: MIKE UNDERWOOD
Permit Issued: 09/05/02
Well Work Commenced: 01/30/03
Well Work Completed: 02/01/03
Verbal Plugging _____
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 2796'
Fresh water depths (ft) 403'
Salt water depths (ft) None

Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
8 5/8"	1016'	1016'	230 sks To Surface
4 1/2"	2722'	2722'	250 sks

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



OPEN FLOW DATA

Keener 1867' - 1898'
Injun 1904' - 1948'
Squaw 1951' - 2000'
Producing formation Gordon Pay zone depth (ft) 2546' - 2597'
Gas: Initial open flow 170 MCF / d Oil: Initial open flow 0 Bbl / d
Final open flow 984 MCF / d Oil: Final open flow show Bbl / d
Time of open flow between initial and final tests N/A Hours
Static rock pressure 140 psig (surface pressure) after 96 Hours

Second producing formation Commingled 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.

For: KEY OIL COMPANY

By: [Signature]
Date: February 14, 2003

MAR 21 2003 PRESIDENT

0000 4700

Longacre #5 (47-017 -4700)
Two Stage Foam Frac – B.J. Services

1 st Stage:	Gordon (12 holes) (2580' to 2595')	60 Quality Foam. 500 gal. 15% HCL. 35,000# 20/40 sand, 425,000 SCF N2, 535 bbls foam.
2 nd Stage:	Squaw (15 holes) (1966' to 1997') Big Injun (12 holes) (1909' to 1944') Keener (6 holes) (1876' to 1882')	60 Quality Foam. 1,000 gal 15% HCL. 50,000# 20/40 sand, 520,000 SCF N2, 585 bbls foam.

WELL LOG

KB-GL	0	10	
Sand	10	16	
Shale & Red Rock	16	36	
Sand & Shale	36	78	
Red Rock	78	100	
Sand & Red Rock	100	160	
Red Rock	160	181	
Sand & Shale	181	196	
Red Rock	196	203	
Sand & Shale	203	620	
Red Rock	620	638	1" water @ 403'
Sand	638	779	
Sand & Shale	779	900	
Red Rock	900	915	
Sand & Shale	915	1031	
Sand	1031	1529	
Lime	1529	1533	
Sand & Shale	1533	1777	
331 Little Lime	1777	1818	
345 Big Lime	1818	1867	
355 Keener	1867	1898	
Shale	1898	1904	
375 Big Injun	1904	1948	
Shale	1948	1951	
383 Squaw	1951	2000	
Sand & Shale	2000	2140	
387 Weir	2140	2232	
Sand & Shale	2232	2344	
395 Berea	2344	2361	
Sand & Shale	2361	2546	
419 Gordon	2546	2597	
Shale	2597	2796	
TD	2796		

Gas Checks
 1755' – No Show
 2072' - 21/10^{ths} 2" w/ water
 2388' – 12/10^{ths} 2" w/ water
 2606' - 16/10^{ths} 2" w/ water