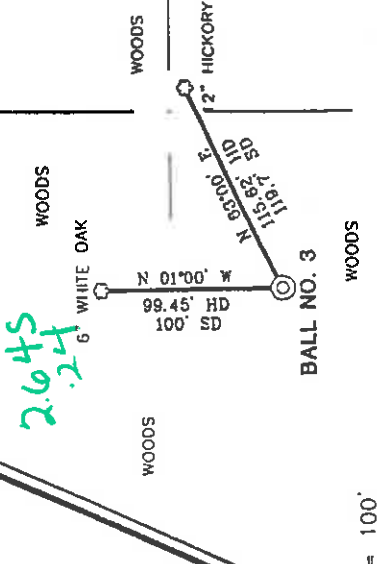


BALL LEASE 120 ACRES ± WELL NO. 3

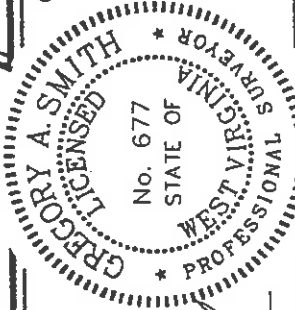
- NOTES ON SURVEY**
1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV NORTH ZONE NAD '27.
 2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 9-21-2000
 3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A PLAT DATED APRIL 19, 1961 AS PREPARED BY PARKER E. PETERS FOR A.P.I. NO. 47-017-1381.
 4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN MARCH, 2000.
 5. WELL LAT./LONG. ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).

REFERENCES



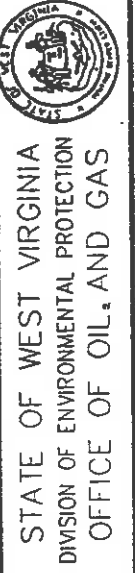
I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.

P.S. *Gregory A. Smith*
677



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

DATE OCTOBER 3 '20 00
 OPERATORS WELL NO. BALL #3
 API WELL NO. STATE COUNTY PERMIT 04560



MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 4389p3 (91-31)
 PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS 1091' SCALE 1" = 800'

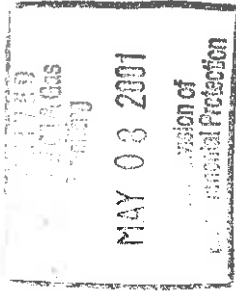
WELL TYPE : OIL GAS LIQUID WASTE INJECTION DISPOSAL "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION : ELEVATION 996' WATERSHED TRIBUTARY OF LOWER RUN QUADRANGLE OXFORD 7.5'
 DISTRICT SOUTHWEST COUNTY DODDRIDGE ACREAGE 76 OF 255.39
 SURFACE OWNER DAVID BALL AND JANICE BALL LEASE ACREAGE 120
 ROYALTY OWNER DAVID DALE BALL, ET AL 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 ALEXANDER
 PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION ESTIMATED DEPTH 5600'

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 4560

6-6-133



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

ALB

Well Operator's Report of Well Work

Farm name: DAVID BALL & JANICE BALL

Operator Well No. : BALL #3

LOCATION: Elevation: 996.00

Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE
Latitude: 13,930 Feet South of 39 Deg. 12 Min. 30 Sec.
Longitude: 1240 Feet West of 80 Deg. 50 Min. 00 Sec.

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

Agent: JAN E. CHAPMAN

Inspector: MIKE UNDERWOOD
Permit Issued: 10/03/00
Well Work Commenced: 01/10/01
Well Work Completed: 01/15/01

Verbal Plugging
Permission granted on: _____ Rig
Rotary X Cable _____
Total Depth (feet) 5180'
Fresh water depths (ft) 109'
Salt water depths (ft) NONE

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

Casing & Tubing Size	Used In Drilling	Left In Well	Cement Fill Up Cu. Ft.
11 3/4"	126'	126'	55 sks To Surface
8 5/8"	1746.85'	1746.85'	395 sks To Surface
4 1/2"	5094'	5094'	450 sks
2 3/8"		4938'	

OPEN FLOW DATA

Warren
Speechley
Balltown
Rileys
Benson
Alexander
Producing formation _____
Gas: Initial open flow No Show MCF / d Oil: Initial open flow 0 Bbl / d
Final open flow 1,524 MCF / d Oil: Final open flow show Bbl / d
Time of open flow between initial and final tests _____ N/A _____ Hours
Static rock pressure 1700 psig (surface pressure) after 96 Hours

Second producing formation Commingle
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: Date: May 4, 2001

MAY 18 2001

PRESIDENT

Dodd 4560

Ball #3 (47-017 - 4560)
Four Stage Foam Frac - BJ Services

1 st Stage:	Alexander (14 holes) (4958' to 5017.25')	60 Quality Foam. 500 gal. 15% HCL. 60,000# 20/40 sand, 565,000 SCF N2. 822 bbis foam.
2 nd Stage:	Benson (7 holes) (4704.25' to 4705.75') Third Riley (7 holes) (4629.75' to 4631.25')	60 Quality Foam. 750 gal 15% HCL. 40,000# 20/40 sand, 432,000 SCF N2. 628 bbis foam.
3 rd Stage:	Riley (6 holes) (4305' to 4306.25') Balltown (8 holes) (3746.75' to 3898')	60 Quality Foam. 1,000 gal 15% HCL. 5,000# 80/100 sand, 45,000# 20/40 sand, 517,000 SCF N2, 754 bbis foam.
4 th Stage:	Balltown (3 holes) (3541.50' to 3542') Speechley (7 hole) (3194' to 3277') Warren (6 holes) (3156' to 3166.75')	60 Quality Foam. 1,000 gal 15% HCL. 5,000# 80/100 sand, 45,000# 20/40 sand, 502,000 SCF N2, 684 bbis foam.

WELL LOG

KB-GL	0	10	
Clay	10	15	
Sand & Shale	15	70	
Red Rock	70	80	
Sand & Shale	80	640	1/4" water @ 109'
Sand	640	682	
Sand & Shale	682	778	
Sand	778	920	
Sand & Shale	920	1242	
Sand	1242	1315	
Sand & Shale	1315	1730	
Little Lime	1730	1778	
Big Lime	1778	1824	
Big Injun	1824	1894	
Sand & Shale	1894	2055	
Weir	2055	2183	
Sand & Shale	2183	2437	
Gordon	2437	2481	
Shale	2481	3131	
Warren	3131	3178	
Shale	3178	3184	
Speechley	3184	3288	
Shale	3288	3482	
Balltown	3482	3948	
Shale	3948	4258	
Riley	4258	4335	
Shale	4335	4620	
Third Riley	4620	4650	
Shale	4650	4702	
Benson	4702	4710	
Shale	4710	4943	
Alexander	4943	5043	
Sand & Shale	5043	5180	
T.D.	5180		

Gas Checks
3007' - No Show
3505' - Odor
4314' - Odor
4717' - Odor
4902' - Odor