

LONG. 80°50'29.4"

LATITUDE 39°12'30"

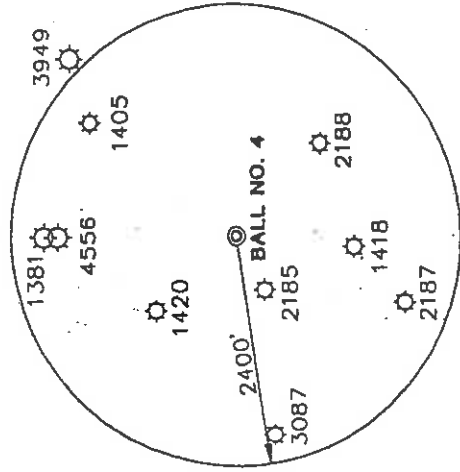
14810

BALL LEASE 120 ACRES ± WELL NO. 4

DODDRIDGE COUNTY
RITCHIE COUNTY

BALL
255.39 AC. ±
(SURFACE)

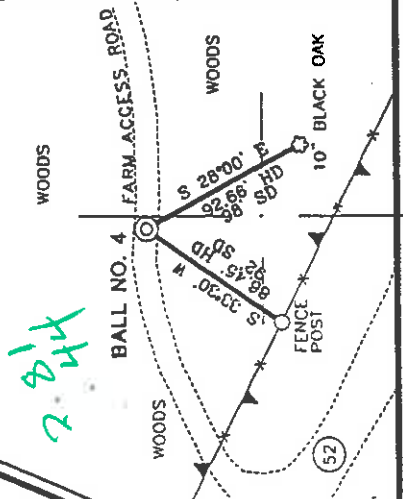
POINT AT INTERSECTION
OF ROADS



NOTES ON SURVEY

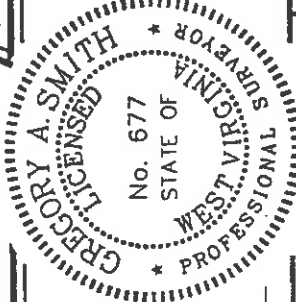
1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV NORTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 9-21-2000.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A PLAT DATED APRIL 19, 1961 AS PREPARED BY PARKER E. PETERS FOR A.P.I. NO. 47-017-1381.
4. SURFACE OWNER AND ADJOINER 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. 677 *Gregory A. Smith*



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

DATE OCTOBER 3 20 00
 OPERATORS WELL NO. BALL #4
 API WELL NO. 47-017 STATE WV COUNTY PERMIT
 NO. 04558

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



MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 4389d(73-73)
 PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS 1091 SCALE 1" = 800'

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

LOCATION : ELEVATION 1025' WATERSHED TRIBUTARY OF LOWER RUN
 DISTRICT SOUTHWEST COUNTY DODDRIDGE
 SURFACE OWNER DAVID BALL AND JANICE BALL
 ROYALTY OWNER DAVID DALE BALL, ET AL
 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) ALEXANDER 5600'

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

COUNTY NAME Dodd PERMIT 4558

6-6 133 NOV 03 2000

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

Well Operators Report of Well Work

Farm name: Ball Operator Well #: Ball #4
Location: Elevation: 1025' Quadrangle: Oxford 7.5'

District: Southwest County: Doddridge
Latitude: 14180 feet south of 39 Deg. 12 Min. 30 Sec.
Longitude: 2290 feet west of 80 Deg. 50 Min. 00 Sec.

Company: Key Oil Company
22 Garton Plaza
Weston, WV 26452

Agent: Jan Chapman

Used in Drilling Left in Well Cement Fill up

Inspector: Mike Underwood
Permit Issued: 10-03-00 133 55 sks
Well Work Commenced: 06-12-01 149 1778 400 sks
Well Work Completed: 06-16-01 1890
Verbal Plugging 5121 375 sks
Permission granted on: 5210

Rotary Cable Rig
Total Depth (ft) 5210'
Fresh water depth (ft) N/A
Salt water depth (ft) N/A
Is coal being mined in are (Y/N) N
Coal depths (ft) N/A

RECEIVED
Office of Oil & Gas
Permitting
SEP 14 2001
WV Department of
Environmental Protection

OPEN FLOW DATA

Producing formaton Alexander Pay zone depths (ft) 4994-5036
Gas: Initial open flow show mcf/d Oil: bbls/day
Final open flow 1500 mcf/d Initial open flow bbls/day
Time of open flow between initial and final tests 48 Hours
Static rock pressure 1800 psig (surface pressure) after 48 Hours

Other producing formation Benson/Warren Pay zone depths (ft) 4653-4725
Gas: Initial open flow * mcf/day Oil bbls/day
Final open flow * mcf/day Initial open flow bbls/day
Time of open flow between initial and final tests * psig (surface pressure) after 48 Hours
Static rock pressure * psig (surface pressure) after 48 Hours

* = Commingled zones

For: Key Oil Company
By:

Date: 09-01-01

D000 4558

SEP 21 2001

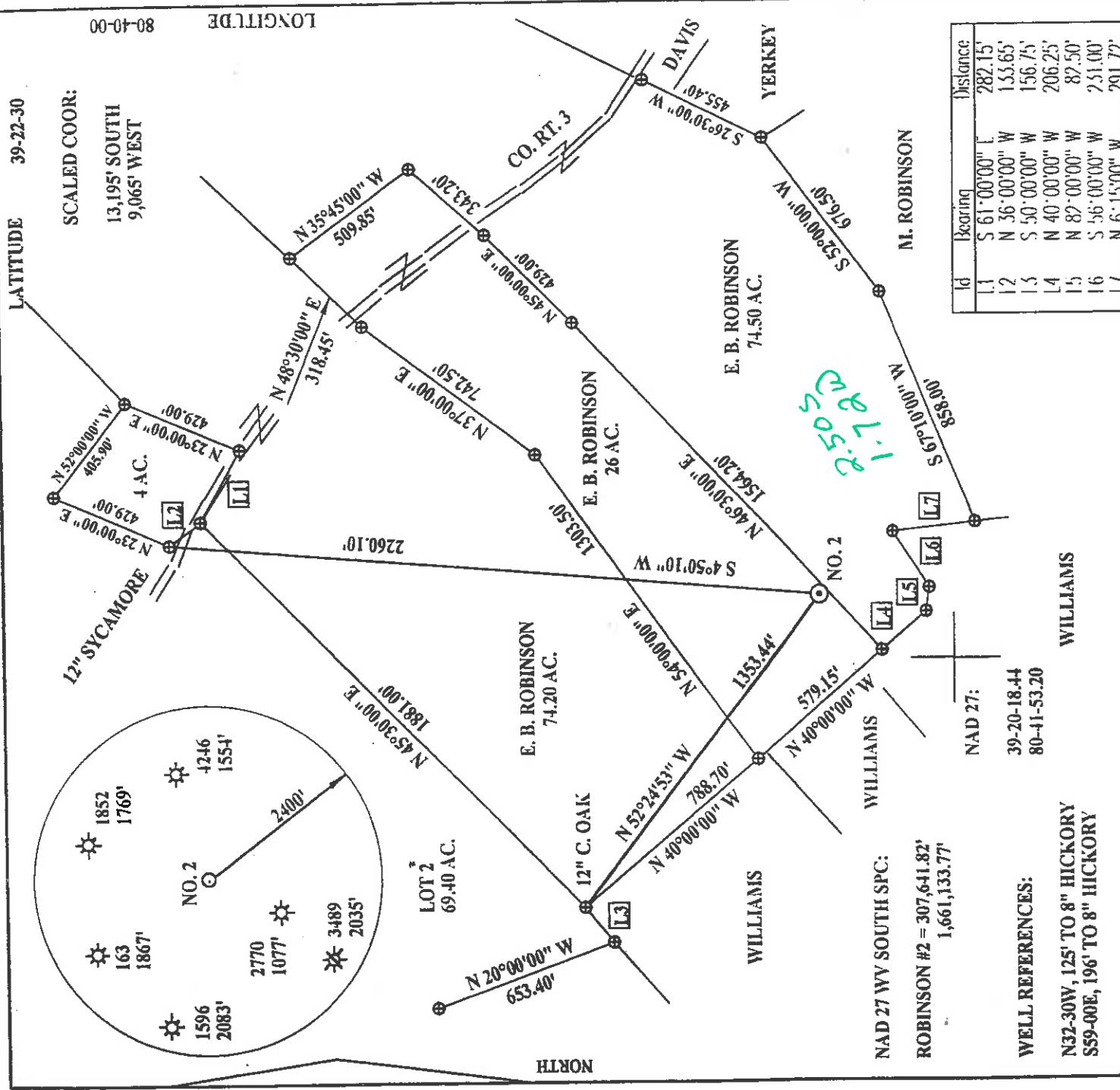
API # 47-017-04558
Ball #4

Stage #1	perfs	sand	
Alexander	4994-5008	600 sks	60 quality foam
Stage #2			
Benson/Riley	4653-4725	400 sks	60 quality foam
Stage #3			
Riley	3626-4344	500 sks	60 quality foam

Drillers Log

Sh/Sh	0	10
Sd/Sh	10	15
Shale	15	32
Sd/Sh	32	77
Sand	77	110
Red Rock	110	121
Shale	121	143
Sd/Sh	143	187
Sand	187	206
Shale	206	242
Sand	242	263
Sd/Sh	263	585
Sh/RR	585	654
Sand	654	700
Sd/Sh	700	1060
Sd	1060	1083
Sd/Sh	1083	1114
Sd	1114	1160
Sd/Sh	1160	1747
L. Lime	1747	1765
Sd/Sh	1765	1806
B. Lime	1806	1943
Injun	1943	1990
Sd/Sh	1990	3185
Warren	3185	3250
Sd/Sh	3250	3920
Baltimore	3920	4020
Sd/Sh	4020	4355
Riley	4355	5375
Sd/Sh	4375	4755
Benson	4755	4761
Sd/Sh	4761	5002
Alexander	5002	5034
Sd/Sh	5034	5210
TD	5210	

Electric Log Tops



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

FILE NUMBER: _____
 DRAWING NUMBER: ENERROB2.PCS
 SCALE: 1" = 500'
 MINIMUM DEGREE OF ACCURACY: 1 IN 200
 PROVEN SOURCE OF ELEVATION: DGPS SURVEY 09/13/00
 SUBMETER SYSTEM

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 FORM WW-6 #10 McJUNKIN ROAD
 NITHO, WV 25113-2506

LAND SURVEYING SERVICES
 21 CEDAR LANE, BRIDGEPORT, WV 26330
 PHONE: 304-842-2018 OR 842-5762

DATE: SEPTEMBER 13, 2000
 OPERATORS WELL NO.: E. B. ROBINSON #2
 API WELL NO. 47-017-04559

STATE WV COUNTY DODDRIDGE

STEPHEN D. LOSH, P.S. #674
 (SIGNED) _____
 PLACE SEAL HERE

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (OF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1130.79' WATERSHED FLINT RUN
 DISTRICT GRANT COUNTY DODDRIDGE
 QUADRANGLE SMITHBURG LEASE NUMBER 47-102-44
 SURFACE OWNER E. B. AND MARTHA ROBINSON ACREAGE 26
 OIL & GAS ROYALTY OWNER E. B. ROBINSON LEASE ACREAGE 214

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE (SPECIFY) _____

TARGET FORMATION BENSON PLUG & ABANDON CLEAN OUT & REPLUG
 WELL OPERATOR ENERVEST OPERATING, LLC DESIGNATED AGENT KENNETH MARIANA
 ADDRESS P. O. DRAWER 1878 CLARKSBURG, WV 26302 ADDRESS P. O. DRAWER 1878 CLARKSBURG, WV 26302

COUNTY NAME DODD PERMIT 4559

OCT 27 2000
 6-6 (99)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: E.B. Robinson Operator Well No.: #2

LOCATION: Elevation: 1130' Quadrangle: Smithburg

District: Grant County: Doddridge
Latitude: 39-22-30-9.065 W Feet South of Deg. Min. Sec.
Longitude 80-40-00-13.195 S Feet West of Deg. Min. Sec.

Company: EnerVest Operating, LLC

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
<u>300 Capitol Street, Suite 700</u>	<u>11 3/4</u>	<u>20'</u>	<u>20'</u>	
<u>Charleston, WV 25301</u>	<u>9 5/8</u>	<u>397'</u>	<u>397'</u>	<u>152 sks</u>
Agent: <u>Kenneth Mariani</u>	<u>7"</u>	<u>1810</u>	<u>1810'</u>	<u>225sks</u>
Inspector: <u>Mike Underwood</u>	<u>9.5# & 4 1/2"</u>	<u>5501</u>	<u>5501</u>	<u>50/50 poz</u> <u>344sks</u>
Date Permit Issued: <u>October 13, 2000</u>				
Date Well Work Commenced: <u>11/14/00</u>				
Date Well Work Completed: <u>12/21/00</u>				
Verbal Plugging:				
Date Permission granted on: <u>N/A</u>				
Rotary X Cable Rig				
Total Depth (feet): <u>5517'</u>				
Fresh Water Depth (ft.): <u>116' - 896'</u>				
Salt Water Depth (ft.): <u>N/A</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.):				

OPEN FLOW DATA

Producing formation Alexander Pay zone depth (ft) 5361' - 5428'
Gas: Initial open flow N/A MCF/d Oil: Initial open flow Bbl/d
Final open flow N/A MCF/d Final open flow Bbl/d
Time of open flow between initial and final tests Hours
Static rock Pressure psig (surface pressure) after Hours

Second producing formation Benson-Riley Pay zone depth (ft) 5085-90/4596-4623
Gas: Initial open flow commingled 15 MCF/d Oil: Initial open flow Bbl/d
Final open flow commingled 96 MCF/d Final open flow Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock Pressure 1150 psig (surface pressure) after 72 Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE RECEIVED LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL INTERVALS INCLUDING COAL ENCOUNTERED IN THE WELLBORE.

Signed: [Signature]
EnerVest Operating, L.L.C.
By: DAVE EIKIN
Date: 11/2/04

JUN 24 2005
0000 4559

