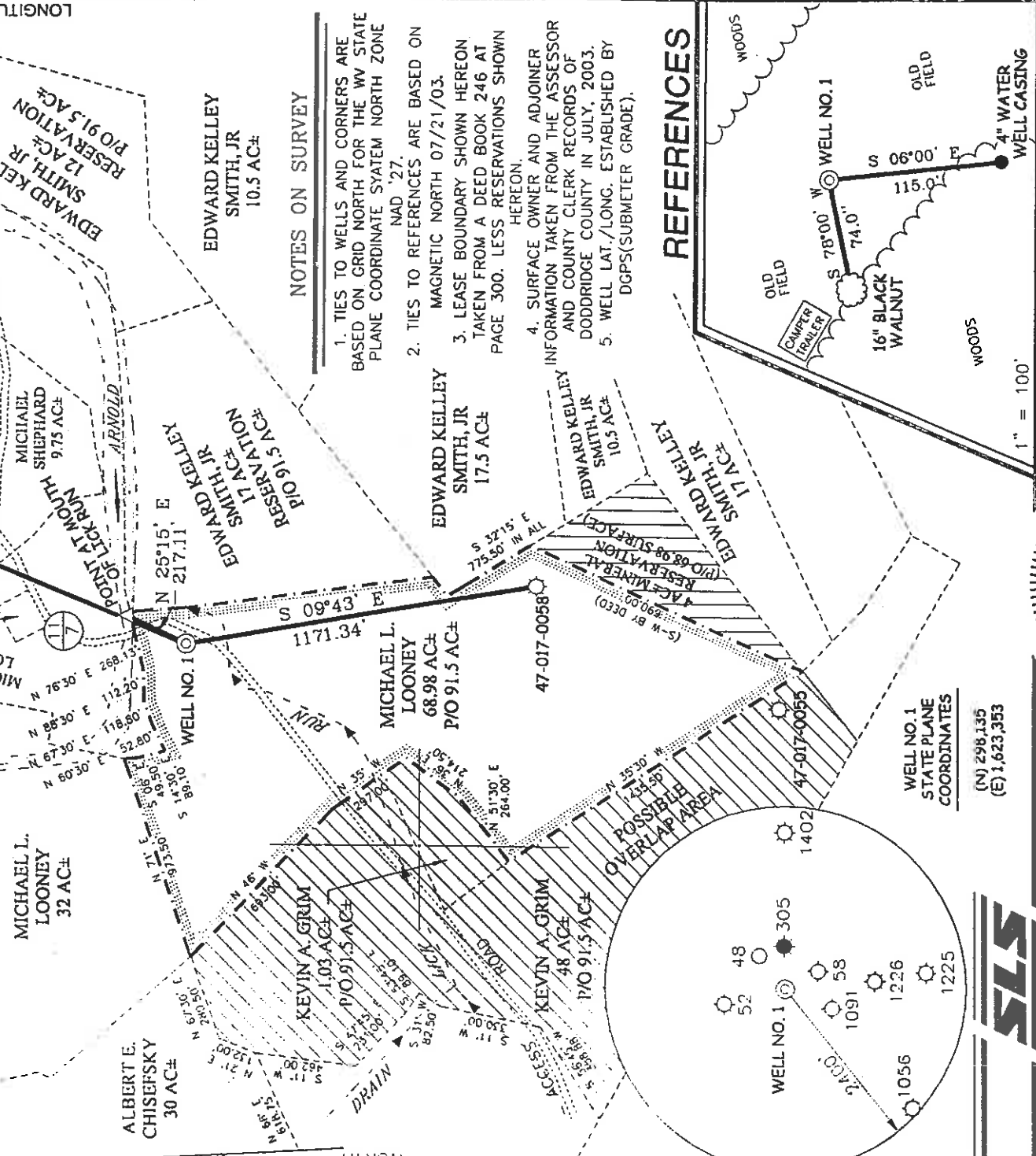


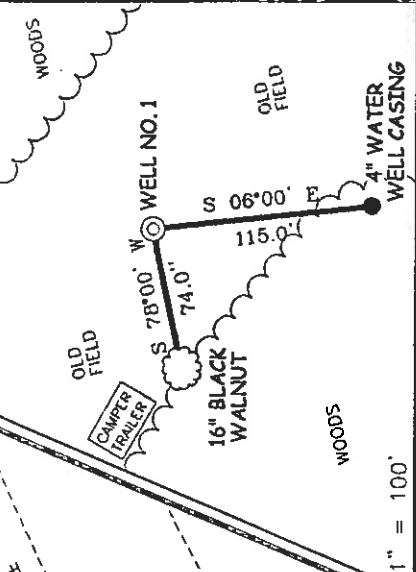
N. LEGGETT LEASE 58.5 ACRES ± WELL NO. 1



NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 07/21/03.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A DEED BOOK 246 AT PAGE 300. LESS RESERVATIONS SHOWN HEREON.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN JULY, 2003.
5. WELL LAT./LONG. ESTABLISHED BY DGPS(SUBMETER GRADE).

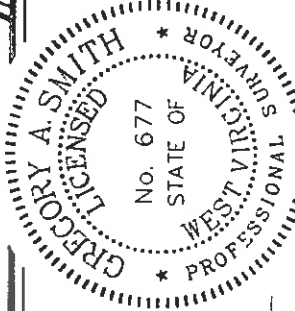
REFERENCES



WELL NO. 1
STATE PLANE
COORDINATES
(N) 298,135
(E) 1,623,353

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 JULY 21, 20 03
OPERATORS WELL NO. R & E LEGGETT NO. 1
API WELL NO. 47-017-04758
STATE COUNTY PERMIT

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

MINIMUM DEGREE OF ACCURACY 1/200
FILE NO. 5167P1 (150-1)
SCALE 1" = 500'
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE)

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

ELEVATION 763'
DISTRICT CENTRAL COUNTY DODDRIDGE
SURFACE OWNER MICHAEL LOONEY QUADRANGLE WEST UNION 7.5
ROYALTY OWNER ROY LEGGETT & ELMA LEGGETT, ET AL ACREAGE 68.98± OF 91.5±
PROPOSED WORK LEASE NO. 68.98± OF 91.5±
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

WELL OPERATOR MURVIN AND MEIER OIL COMPANY
DESIGNATED AGENT P. NATHAN BOWLES, JR.
ADDRESS P.O. BOX 396 OLNEY, IL 62450 ADDRESS P.O. BOX 1237 CHARLESTON, WV 25325

County Name Deod 4758 PERMIT

1027

WR-35

DATE: 6-Aug-03
API#: 47-1704758

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

Well Operator's Report of Well Work

Farm Name: Looney, Michael Operator Well No.: West Union 7.5' Leggett #1

LOCATION: Elevation: 0763' Quadrangle: West Union 7.5'

District: Central County: Doddridge
Latitude: 8180 Feet South of 39 Deg. 20 Min. 00 Sec.
Longitude: 11180 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: Murvin & Meier Oil Co.

	Casing & Tubing		Used in drilling	Left in Well	Cement fill up Cu. Ft.
Address:	<u>11 3/4</u>	<u>219.4</u>		<u>219.4</u>	<u>168</u>
	<u>8 5/8</u>	<u>1198.3</u>		<u>1198.3</u>	<u>118</u>
Agent: <u>P. Nathan Bowles, Jr.</u>					
Inspector: <u>Mr. Mike Underwood</u>					
Date Permit issued: <u>8/6/2003</u>					
Date Well Work Commenced: <u>9/3/2003</u>				<u>5127.8</u>	<u>555</u>
Date Well Work Completed: <u>9/15/2003</u>					
Verbal Plugging:					
Date Permission granted on:					
Rotary Cable Rig					
Total Depth (ft.): <u>5135'</u>					
Fresh Water Depth (ft.): <u>50'</u>					
Salt Water Depth (ft.): <u>-</u>					
Is coal being mined in area (N/Y)? <u>N</u>					
Coal Depths (ft.): <u>-</u>					

OPEN FLOW DATA

Production formation Benson, Elk, Alexander Pay zone depth (ft.) 4634' to 4950'
 Gas: Initial Open flow show MCF/d Oil: Initial Open Flow Bbl/d
 Final open flow 1,200 MCF/d Final open flow Bbl/d
 Time of open flow between initial and final tests 24 Hours
 Static rock Pressure 1750 psig (surface pressure) after 48 Hours

Second producing formation Balltown, Riley Pay zone depth (ft.) 3628' to 4527'
 Gas: Initial Open flow show MCF/d Oil: Initial Open Flow Bbl/d
 Final open flow 1,200 MCF/d Final open flow Bbl/d
 Time of open flow between initial and final tests 24 Hours
 Static rock Pressure 1750 psig (surface pressure) after 48 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.

Signed: Murvin & Meier Oil Co.
By: Gayle H. Hill Executive Vice President
Date: September 18, 2003

RECEIVED
Office of Oil & Gas
Office of Chief
SEP 25 2003
WV Department of
Environmental Protection

D000 4758

9/15/2003 Ran Sonic bond log and perforated Alexander and Elk formations from 4950' to 4920' with 10 holes. Cross linked foam fractured perfw with 50 gallons 15% HCL, 191 lbs fluid; 517 MSCF Nitrogen, and 50,000 lbs 20/40 sand.

Perforated Benson and Third Riley formations from 4634' to 4507' with 19 holes. Cross linked foam fractured perfs with 500 gallons 15% HCL, 150 lbs fluid, 429 MSCF Nitrogen, and 35,000 lbs 20/40 sand.

Perforated Riley and Balltown formations from 4225't o 4628' with 10 holes. Cross linked foam fractured perfs with 750 gallons 15% HCL, 178 lbs fluid, 345 MSCF Nitrogen, and 35,000 lbs 20/40 sand.

WELL LOG

FORMATION	TOP	BOTTOM
KB-GL	0	10
Clay	10	21
Sand/Shale	21	24
Red Rock	24	29
Sand	29	59
Red Rocked Red Red Rock	59	64
Sand	64	82
Red Rock/Shale	82	94
Sand	94	115
Sand/Shale	115	124
Red Rock	124	132
Sand	132	138
Red Rock	138	147
Sand	147	172
Sand/Shale	172	186
Red Rock	186	194
Sand/Shale/Red Rock	194	258
Sand/Shale	258	421
Lime	421	435
Sand/Shale	435	537
Red Rock/Shale	537	572
Sand/Shale	572	637
Red Rock/Shale	637	665
Sand/Shale	665	721
Sand/Shale/Red Rock	721	756
Sand/Shale	756	863
Lime	863	875
Sand/Shale	875	1047
Sand	1047	1087
Sand/Shale/Red Rock	1087	1099
Sand	1099	1184
Sand/Shale	1184	1616
Little Lime	1616	1627
Sand/Shale	1627	1649
Big Lime/njun	1649	1814
Sand/Shale	1814	2041
Weir	2041	2137
Sand/Shale	2137	3000
Warren	3000	3081
Sand/Shale	3081	3432
Balltown	3432	4140
Sand	4140	4180
Riley	4180	4250
Sand	4250	4628
Benson	4628	4641
Shale	4641	4879
Alexander	4879	4964
Shale	4964	5135
Total Depth	5135	