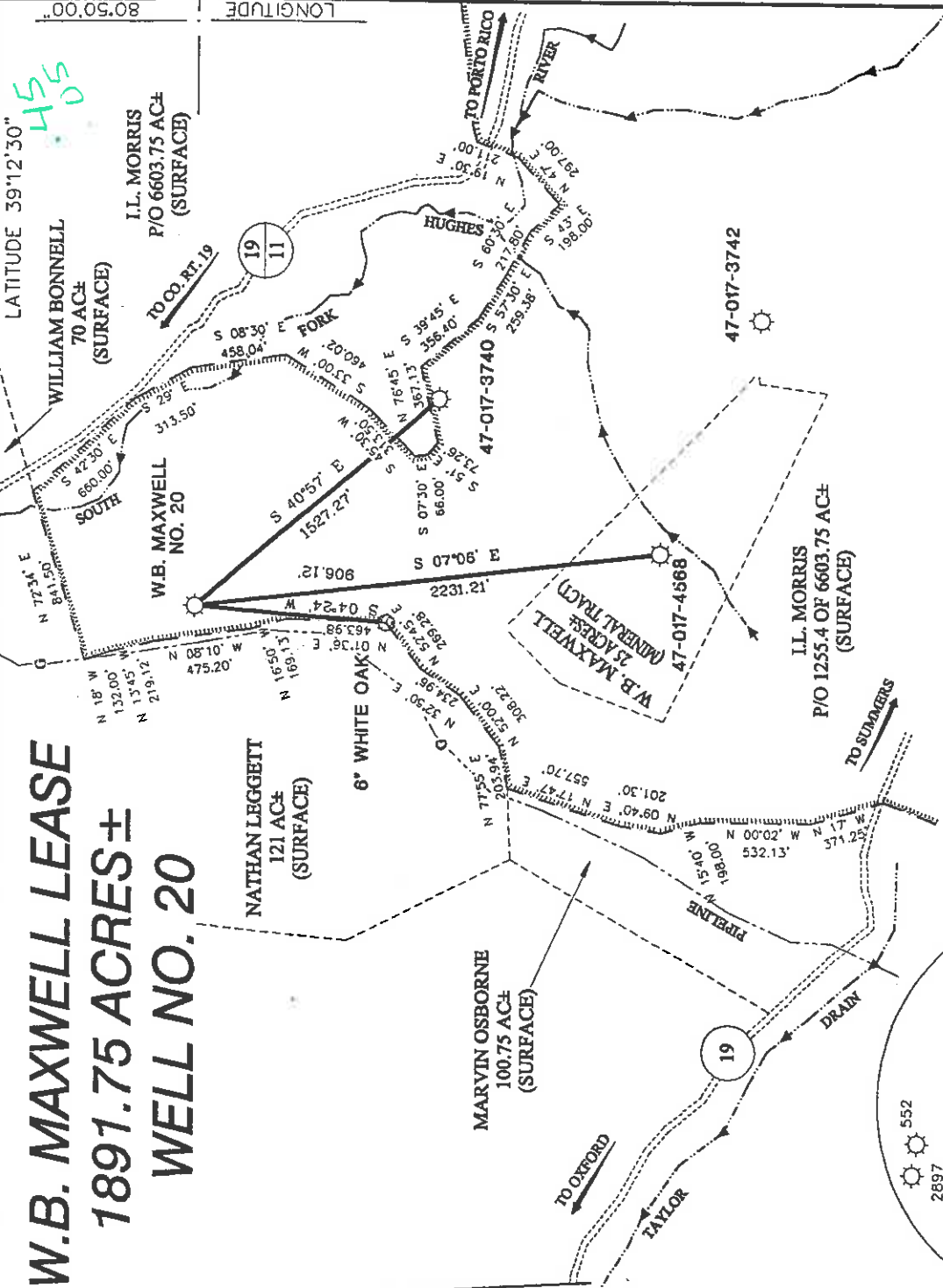
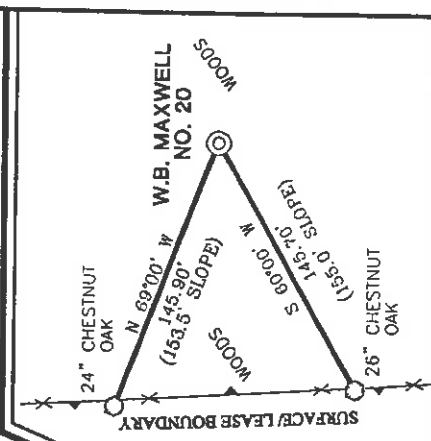


LONG. 80°50'03.7" -280'
LATITUDE 39°12'30"
LONGITUDE 80°50'00"
LAT. 39°12'06.6" 2420'

W.B. MAXWELL LEASE 1891.75 ACRES ± WELL NO. 20

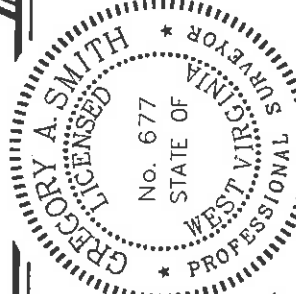


REFERENCES



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 4-30-01.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 37 PAGE 48.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIGE COUNTY IN APRIL, 2001.
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. *Gregory A. Smith*
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MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 4152P20M(104-23)
PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 839' SCALE 1"=800'

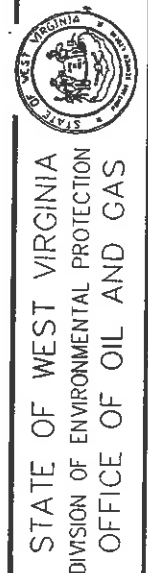
WELL TYPE : OIL GAS INJECTION WASTE DISPOSAL "GAS" PRODUCTION STORAGE DEEP SHALLOW
LOCATION : ELEVATION 1105' WATERSHED SOUTH FORK HUGHES RIVER

DISTRICT SOUTHWEST COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5'
SURFACE OWNER I.L. MORRIS ACREAGE P/O 1255.4 OF 6603.75±
ROYALTY OWNER W.B. MAXWELL HEIRS ET AL LEASE ACREAGE 1891.75±
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 ALEXANDER
ESTIMATED DEPTH 5600'

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

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE MAY 2 20 01
OPERATORS WELL NO. W.B. MAXWELL NO. 20
API WELL NO. 47-017-017 COUNTY PERMIT 04609



Dodd 4609

6-6 133

JUN 15 2001

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

Review AP

Well Operator's Report of Well Work

Farm name: W. B. MAXWELL Operator Well No.: 20
LOCATION: Elevation: 1105 Quadrangle: OXFORD 7.5'

District: SOUTHWEST County: DODDRIDGE
Latitude: 2420 Feet South of 39 Deg. 12 Min. 30 Sec.
Longitude 280 Feet West of 80 Deg. 50 Min. 00 Sec.

Company: KEY OIL COMPANY

Address: <u>22 GARTON PLAZA</u>	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
<u>WESTON, WV 26452</u>	<u>11 3/4"</u>	<u>131'</u>	<u>131'</u>	<u>77</u>
Agent: <u>JAN CHAPMAN</u>	<u>8 5/8"</u>	<u>1532'</u>	<u>1532'</u>	<u>497</u>
Inspector: <u>MIKE UNDERWOOD</u>	<u>4 1/2"</u>		<u>5235'</u>	<u>606</u>
Date Permit Issued:				
Date Well Work Commenced: <u>08-02-01</u>				
Date Well Work Completed: <u>08-06-01</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable RIG				
Total Depth (feet): <u>5297'</u> RTD				
Fresh Water Depth (ft.): <u>20', 170'</u>				
Salt Water Depth (ft.): <u>NONE</u>				
Is coal being mined in area (N/Y)? <u>NO</u>				
Coal Depths (ft.):				

OPEN FLOW DATA

ALEXANDER
BENSON
310 RILEY
RILEY

5083 - 5142
4790 - 4795
4724 - 4728
4374 - 4396

Producing formation Balltown Pay zone depth (ft) 0 Bbl/d

Gas: Initial open flow 60 MCF/d Oil: Initial open flow 0 Bbl/d

Final open flow 1579 MCF/d Final open flow SHOW Bbl/d

Time of open flow between initial and final tests 105 Hours

Static rock Pressure _____ psig (surface pressure) after 96 Hours

BALLTOWN
SPEECHLY
WARREN

Second producing formation Balltown Pay zone depth (ft) 3677 - 3723

Gas: Initial open flow * 3357 MCF/d Oil: Initial open flow * 3364 Bbl/d

Final open flow * 3220 MCF/d Final open flow * 3250 Bbl/d

Time of open flow between initial and final tests * _____ Hours

Static rock Pressure * _____ psig (surface pressure) after * _____ Hours

* ALL FORMATIONS CO-MINGLED

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:

KEY OIL COMPANY

By: [Signature]
Date: 1-7-03

0000 4609

TREATMENT:

STAGE #1: ALEXANDER (4979 - 5126) 14 HOLES: 500 GA, 60,000# 20/40 SAND, 550,000 SCF N₂ & 813 BBLS 60 QUALITY FOAM.

STAGE #2: BENSON & 3rd RILEY (4791 - 4793 & 4725 - 4726) 13 HOLES: 750 GA, 40,000# 20/40 SAND, 417,000 SCF N₂ & 619 BBLS 60 QUALITY FOAM.

STAGE #3: RILEY (4374 - 4394) 13 HOLES: 750 GA, 5000# 80/100 SAND & 35,000# 20/40 SAND, 448,000 SCF N₂ & 650 BBLS 60 QUALITY FOAM.

STAGE #4: BALLTOWN, SPEECHLY & WARREN (3677-3721, 3359 - 3360 & 3235 - 3248) 15 HOLES: 1000 GA, 5,000# 80/100 SAND & 45,000# 20/40 SAND, 502,000 SCF N₂ & 665 BBLS 60 QUALITY FOAM.

FORMATIONS:

FILL	0 -	15	
SD	15 -	18	
COAL	18 -	20	WATER 20' DAMP
SD & SH	20 -	75	
SH & RR	75 -	145	
SD	145 -	226	WATER 170' - 1"
SH & RR	226 -	282	
SH & SD	282 -	434	
SH & RR	434 -	493	
SD & SH	493 -	524	
SD	524 -	536	
SD & SH	536 -	662	
SH & RR	662 -	685	
SD & SH	685 -	1339	
SD & SH	1339 -	1401	
SD	1401 -	1485	
SD & SH	1485 -	1560	
SH	1560 -	1780	
L. LIME	1780 -	1795	
SD & SH	1795 -	1840	
BIG LIME	1840 -	1960	
INJUN	1960 -	2005	
SD & SH	2005 -	3200	
WARREN	3200 -	3285	
SD & SH	3285 -	3650	
BALLTOWN	3650 -	3770	
SD & SH	3770 -	4385	
RILEY	4385 -	4405	
SD & SH	4405 -	4790	
BENSON	4790 -	4795	
SD & SH	4795 -	5085	
ALEXANDER	5085 -	5150	
SD & SH	5150 -	5297	RTD

GAS TESTS:

1115'	-	OTL	ODOR
1769'	-	NO	SHOW
2016'	-	NO	SHOW
3198'	-	60	MCF
3630'	-	60	MCF
4376'	-	60	MCF
4748'	-	60	MCF
4996'	-	60	MCF