

FORUM 6 LONG. 80°49'59.8" LATITUDE 39°12'30" SOUTH
 11.820" LONGITUDE 80°47'30" 4600

W.B. MAXWELL LEASE 25 ACRES ± W.B. MAXWELL NO. 19

2.7.88

NATHAN LEGGETT
 121 AC. ±
 (SURFACE)

I.L. MORRIS
 P/O 1255.4 ± OF 4583.2 ± (SURFACE)

M. OSBOURN
 100.75 AC. ±
 (SURFACE)

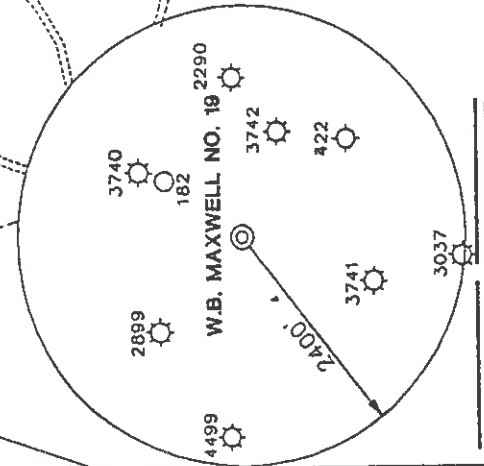
I.L. MORRIS
 P/O 1255.4 ± OF
 4583.2 ± (SURFACE)

W.B. MAXWELL
 25 ACRES ± (MINERAL TRACT)

W.B. MAXWELL NO. 19

28° CHESTNUT
 OAK

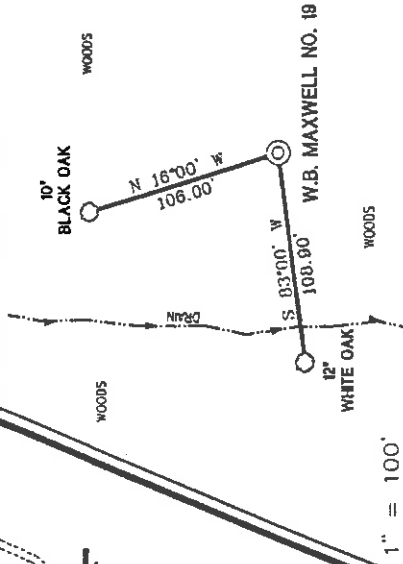
W.B. MAXWELL NO. 19
 2290



NOTES ON SURVEY

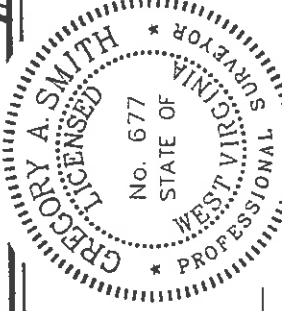
- LEASE BOUNDARY SHOWN HEREON TAKEN FROM A DEED DATED OCTOBER 28, 1918 ON RECORD IN DEED BOOK 71 ON PAGE 168.
- SURFACE BOUNDARY INFORMATION TAKEN FROM A PLAT DATED 07/05/89 AS PREPARED BY GREGORY A. SMITH FOR A.P.I. NO. 47-017-3742.
- SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN NOVEMBER, 2000.

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 NOVEMBER 21, 20 00
 OPERATORS WELL NO. W.B. MAXWELL NO. 19
 API NO. 47-017-04568
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 4152P19 (92-66)
 SCALE 1" = 500'
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1250'

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

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

LOCATION : ELEVATION 943' WATERSHED SOUTH FORK OF HUGHES RIVER QUADRANGLE OXFORD 7.5'

DISTRICT SOUTHWEST COUNTY DODDRIDGE ACREAGE 25 AC. ± OF 4583.2 ±

SURFACE OWNER I.L. MORRIS LEASE ACREAGE 25 ± LEASE NO. _____

ROYALTY OWNER W.B. MAXWELL HEIRS

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) _____ TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5600'

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

0000 COUNTY NAME 4568 PERMIT

6-6 133 REC 8 2000

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

Reviewed Art

Farm name: I.L. MORRIS

Operator Well No.: W.B. MAXWELL #19

LOCATION: Elevation: 953'

Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE

Latitude: 4600 Feet South of 39 Deg. 12 Min. 30 Sec.
Longitude: 11820 Feet West of 80 Deg. 47 Min. 30 Sec.

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

Agent: JAN E. CHAPMAN

Inspector: MIKE UNDERWOOD
Permit Issued: 12/13/00
Well Work Commenced: 01/05/01
Well Work Completed: 01/09/01

Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5120'
Fresh water depths (ft) None
Salt water depths (ft) 1241'

Is coal being mined in area (Y / N)? N
Coal Depths (ft): _____
Warren
Speechley
Balltown
Rileys
Benson
Elk

OPEN FLOW DATA

Producing formation Alexander
Gas: Initial open flow Show MCF / d
Final open flow 1,594 MCF / d
Time of open flow between initial and final tests N/A
Static rock pressure 1850 psig (surface pressure) after 96 Hours
3006' - 3084'
3098' - 3203'
3390' - 4121'
4180' - 4532'
4624' - 4635'
4752' - 4836'
4871' - 4970'

RECEIVED
Office of Oil & Gas
Permitting
MAY 04 2001
WV Division of
Environmental Protection

Second producing formation Commingled
Gas: Initial open flow MCF / d
Final open flow MCF / d
Time of open flow between initial and final tests _____
Static rock pressure _____ psig (surface pressure) after _____ Hours
Pay zone depth (ft) _____
Oil: Initial open flow _____ Bbl / d
Oil: Final open flow _____ Bbl / d

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: May 1, 2001

MAY 18 2001

PRESIDENT

Dodd 4568

W. B. Maxwell #19 (47-017-4568)
 Four Stage Foam Frac - BJ Services

1 st Stage:	Alexander (13 holes) (4898.5' to 4947.25') Elk (4 holes) (4762' to 4830')	60 Quality Foam. 500 gal. 15% HCL. 60,000# 20/40 sand, 565,000 SCF N2, 821 bbls foam.
2 nd Stage:	Benson (9 holes) (4628.75' to 4630.75') Third Riley (4holes) (4550.50' to 4551.25')	60 Quality Foam. 750 gal 15% HCL. 40,000# 20/40 sand, 417,000 SCF N2, 626 bbls foam.
3 rd Stage:	Riley (12 holes) (4212.25' to 4239.75') Balltown (3 holes) (4117.50' to 4118')	60 Quality Foam. 1,000 gal 15% HCL. 5,000# 80/100 sand, 45,000# 20/40 sand, 517,000 SCF N2, 753 bbls foam.
4 th Stage:	Balltown (6 holes) (3488.75' to 3600') Speechley (5 holes) (3107' to 3191.75') Warren (5 holes) (3053' to 3078.25')	60 Quality Foam. 1,000 gal 15% HCL. 5,000# 80/100 sand, 45,000# 20/40 sand, 517,000 SCF N2, 684 bbls foam.

WELL LOG

KB-GL	0	10	
Fill	10	23	
Red Rock	23	42	
Sand & Shale	42	101	
Shale & Red Rock	101	133	
Sand	133	172	
Sand & Shale	172	202	
Sand	202	247	
Red Rock	247	311	
Sand & Shale	311	673	
Red Rock	673	704	
Sand & Shale	704	1177	
Sand	1177	1265	
Sand & Shale	1265	1618	
Little Lime	1618	1643	
Shale	1643	1661	
Big Lime	1661	1718	
Big Injun	1718	1806	
Shale	1806	1965	
Weir	1965	2093	
Sand & Shale	2093	2378	
Gordon	2378	2399	
Shale	2399	3006	
Warren	3006	3084	
Shale	3084	3098	
Speechley	3098	3203	
Shale	3203	3390	
Balltown	3390	4121	
Shale	4121	4180	
Riley	4180	4252	
Shale	4252	4532	
Third Riley	4532	4576	
Shale	4576	4624	
Benson	4624	4635	
Shale	4635	4752	
Elk	4752	4836	
Shale	4836	4871	
Alexander	4871	4970	
Sand & Shale	4970	5120	
T.D.	5120		

1/4" water @ 1241'

Gas Checks
 1613' - No Show
 1917' - No Show
 3006' - No Show
 3315' - No Show
 3822' - No Show
 4231' - Odor
 4663' - Odor
 4899' - Odor
 TD - No Show