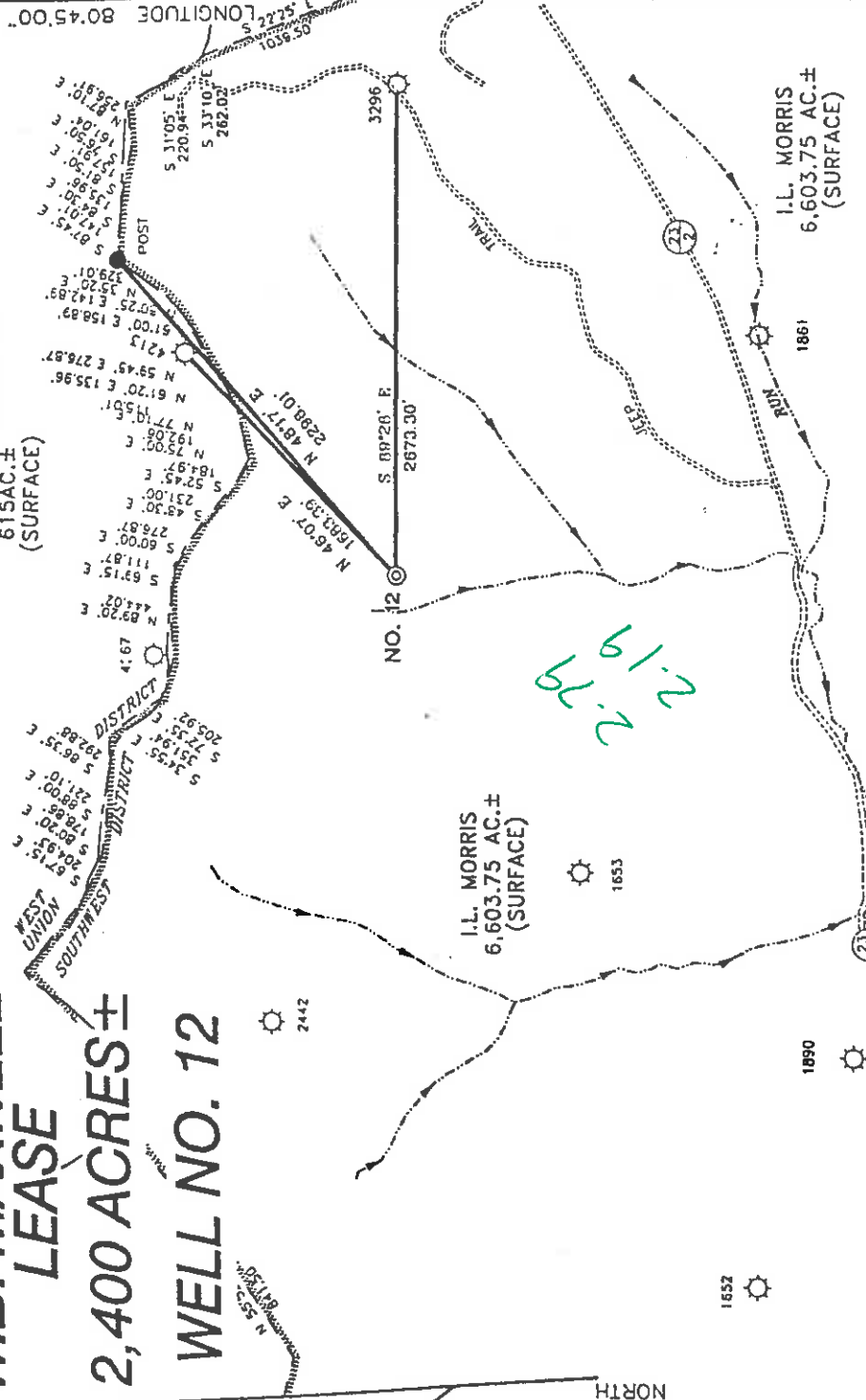


W.B. MAXWELL LEASE
2,400 ACRES ±
WELL NO. 12

HAESSLY HARDWOOD LUMBER CO.
615AC.±
(SURFACE)

LATITUDE 39°15'00"



REFERENCES

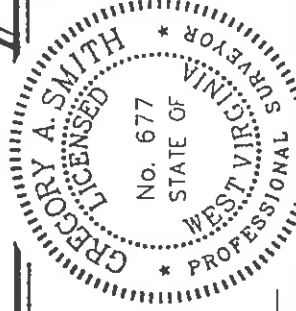
NOTES ON SURVEY

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 J-5-99.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DODDRIDGE COUNTY DEED BOOK 28 ON PAGE 210.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN JANUARY, 1999.
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 ENERGY.

P.S. 677
Gregory A. Smith



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE MARCH 5, 19 99
OPERATORS WELL NO. W.B. MAXWELL #12
API WELL NO. 47-017 COUNTY PERMIT NO. 04547

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 4152P12 (69-74)
PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 886' SCALE 1" = 1000'

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 1037 WATERSHED BIG RUN OF SOUTH FORK HUGHES RIVER
DISTRICT SOUTHWEST COUNTY DODDRIDGE

SURFACE OWNER I.L. MORRIS QUADRANGLE OXFORD 7.5'
ROYALTY OWNER W.B. MAXWELL HEIRS ET AL ACREAGE 6,603.75
LEASE ACREAGE 2,400

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

COUNTY NAME PERMIT
ADDRESS 22 GARTON PLAZA WESTON, WV 26452

6-6 133

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

Reviewed AB

Well Operator's Report of Well Work

Farm name: I.L. MORRIS

Operator Well No. : W.B. MAXWELL #12

LOCATION: Elevation: 1037'

Quadrangle: OXFORD

District: SOUTHWEST

County: DODDRIDGE

Latitude: 14,720 Feet South of 39 Deg. 15 Min. 00 Sec.
Longitude: 11,530 Feet West of 80 Deg. 45 Min. 00 Sec.

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

Agent: JAN E. CHAPMAN

Inspector: MIKE UNDERWOOD
Permit Issued: 04/24/00
Well Work Commenced: 08/21/00
Well Work Completed: 08/25/00

Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5149'
Fresh water depths (ft) None
Salt water depths (ft) 176'

Is coal being mined in area (Y / N)? N
Coal Depths (ft):

OPEN FLOW DATA

Warren
Speechley
Balltown
Rileys
Benson
Elk

Producing formation Alexander
Gas: Initial open flow 60 MCF / d
Final open flow 1,548 MCF / d
Time of open flow between initial and final tests N/A
Static rock pressure 1650 psig (surface pressure) after 96 Hours

Second producing formation Commingled
Gas: Initial open flow _____ MCF / d
Final open flow _____ MCF / 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 PERFORMED 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]

NOV 03 2000

PRESIDENT

Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
11 3/4"	130'	130'	70 sks To Surface
8 5/8"	1324.40'	1324.40'	295 sks To Surface
4 1/2"	5101'	5101'	470 sks
2 3/8"		4914'	

RECEIVED
Office of Oil & Gas Permitting
OCT 18 2000
WV Division of Environmental Protection

Dodd 4547

W. B. Maxwell #12 (47-017-4547)
 Four Stage Foam Frac - B.J. Services

1st Stage: Alexander (17 holes) (4920.50' to 4995.25') 60 Quality Foam. 500 gal. 15% HCL.
 Elk (3 holes) (4813.50' to 4814') 60,000# 20/40 sand, 550,000 SCF N2,
 807 bbis foam.

2nd Stage: Benson (10 holes) (4651.50' to 4653.75') 60 Quality Foam. 750 gal 15% HCL.
 Third Riley (3 holes) (4568.50' to 4569') 40,000# 20/40 sand, 417,000 SCF N2,
 612 bbis foam.

3rd Stage: Riley (4 holes) (4224.50' to 4225.25') 60 Quality Foam. 1,000 gal 15% HCL.
 Balktown (11 holes) (3975.25' to 4099.75') 5,000# 80/100 sand, 45,000# 20/40 sand,
 502,000 SCF N2, 739 bbis foam.

4th Stage: Speechley (13 holes) (3078.25' to 3155') 60 Quality Foam. 750 gal 15% HCL.
 Warren (6 hole) (3038' to 3053.75') 5,000# 80/100 sand, 45,000# 20/40 sand,
 502,000 SCF N2, 721 bbis foam.

WELL LOG

KB-GL	0	10	
Fill	10	16	
Sand & Shale	16	30	
Sand	30	70	
Red Rock & Shale	70	139	
Sand & Shale	139	290	
Sand	290	307	
Sand & Shale	307	688	
Shale & Red Rock	688	785	
Sand & Shale	785	1597	
Little Lime	1597	1663	
Big Lime	1663	1707	
Big Injun	1707	1789	
Shale	1789	1941	
Weir	1941	2053	
Shale	2053	2143	
Berea	2143	2154	
Sand & Shale	2154	2332	
Gordon	2332	2385	
Shale	2385	2991	
Warren	2991	3058	
Sand & Shale	3058	3076	
Speechley	3076	3190	
Shale	3190	3350	
Balktown	3350	4110	
Shale	4110	4182	
Riley	4182	4260	
Shale	4260	4542	
Third Riley	4542	4598	
Shale	4598	4646	
Benson	4646	4658	
Shale	4658	4780	
Elk	4780	4866	
Shale	4866	4888	
Alexander	4888	4999	
Sand & Shale	4999	5149	
T.D.	5149		

1/2" water @ 176'

1/2" oil @ 1155'

Gas Checks

1556' - No Show
 1927' - 16/10^{ths} - 1/2" w/water
 3020' - 7/10^{ths} - 2" w/water
 3365' - 2/10^{ths} - 2" w/water
 4224' - 2/10^{ths} - 2" w/water
 4656' - 2/10^{ths} - 2" w/water
 4901' - 2/10^{ths} - 2" w/water