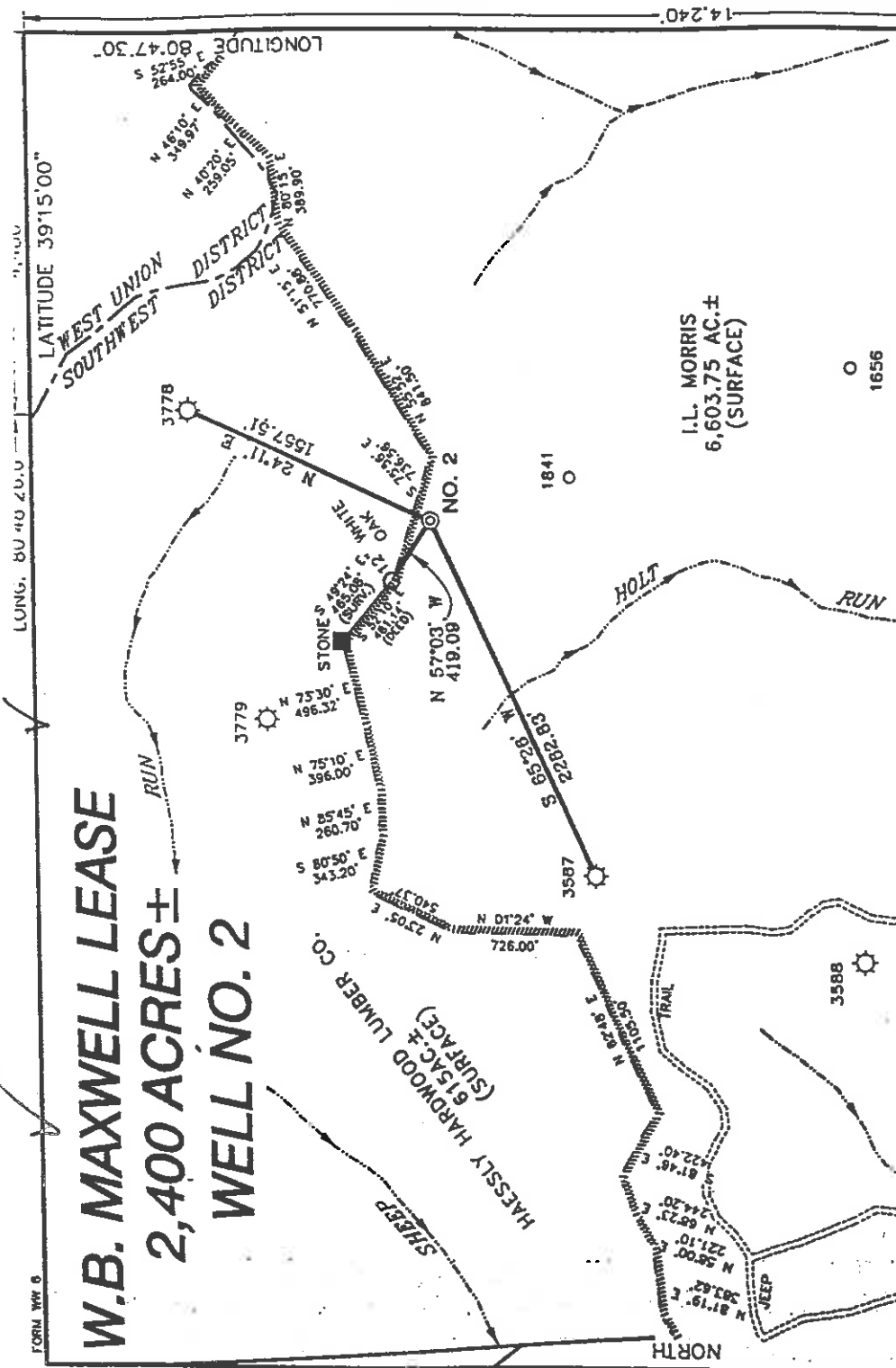
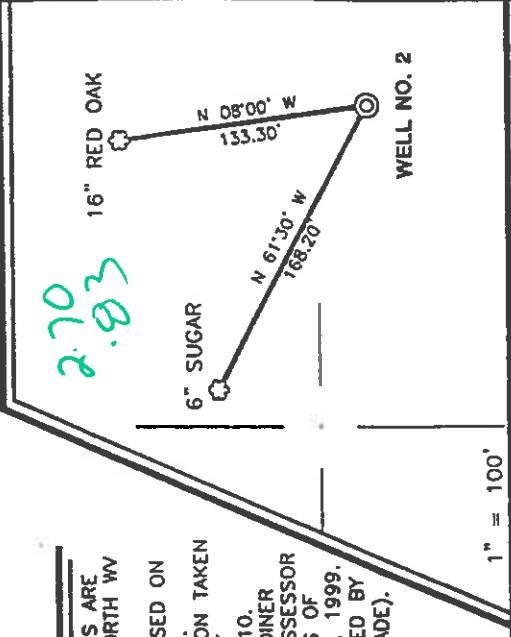


W.B. MAXWELL LEASE 2,400 ACRES ± WELL NO. 2

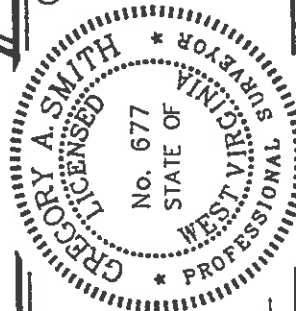


REFERENCES



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 2-3-99.
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. *Gregory A. Smith*
677

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE FEBRUARY 9, 19 99
OPERATORS WELL NO. W.B. MAXWELL #2
API WELL NO. 47-17-4509
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200
FILE NO. 4152P2 (69-67)
SCALE 1" = 1000'
PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 886'

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 1198' WATERSHED HOLT RUN OF SOUTH FORK HUGHES RIVER
DISTRICT SOUTHWEST COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5
SURFACE OWNER I.L. MORRIS ACREAGE 6,603.75
ROYALTY OWNER W.B. MAXWELL HEIRS ET AL LEASE ACREAGE 2,400
LEASE NO. _____
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 ADDRESS 22 GARTON PLAZA WESTON, WV 26452

0000 4509
COUNTY NAME PERMIT

6-6-138

State of West Virginia
Office of Oil & Gas
Permitting

OCT 25 1999

By: Division of
Environmental Protection

API #47 - 017-4509

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

Reviewed _____

Well Operator's Report of Well Work

Farm name: MORRIS, I.L.

Operator Well No. : W.B. MAXWELL 2

LOCATION: Elevation: 1,198.00

Quadrangle: OXFORD

District: SOUTHWEST
Latitude: 14240 Feet South of 39 Deg. 15 Min. 00 Sec.
Longitude: 4480 Feet West of 80 Deg. 47 Min. 30 Sec.

County: DODDRIDGE

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

Agent: JAN E. CHAPMAN

Inspector: _____
Permit Issued: MIKE UNDERWOOD
Well Work Commenced: 05/21/99
Well Work Completed: 09/02/99
Verbal Plugging: 09/09/99

Permission granted on: _____ Rig
Rotary X Cable _____
Total Depth (feet) 5376'
Fresh water depths (ft) 45'
Salt water depths (ft) NONE

Is coal being mined in area (Y / N) ? N
Coal Depths (ft) : NONE

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8 5/8"	1234'	1234'	300 sks To Surface
4 1/2"	5288'	5288'	475 sks
2 3/8"		5108'	

OPEN FLOW DATA

Warren
Speechley
Bailitown
Rileys
Benson

Producing formation Alexander
Gas: Initial open flow Show MCF / d Oil: Initial open flow 0 Bbl / d
Final open flow 1,540 MCF / d Oil: Final open flow show Bbl / d
Time of open flow between initial and final tests N/A Hours
Static rock pressure 1800 psig (surface pressure) after 96 Hours

3224' - 3283'
3296' - 3556'
3590' - 4330'
4399' - 4818'
4862' - 4871'

Second producing formation Commingled

Gas: Initial open flow MCF / d Oil: Initial open flow Bbl / d
Final open flow MCF / d Oil: Final open flow Bbl / 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: Jan E. Chapman
Date: October 7, 1999

PRESIDENT

Dodd 4509

NOV 2 1999

W. B. Maxwell #2 (47-017-4509)
Four Stage Foam Frac - Halliburton

1st Stage: Alexander (15 holes) (5128' to 5186.50')
60 Quality Foam. 500 gal. 15% HCL.
60,000# 20/40 sand, 550,000 SCF N2,
810 bbis foam.

2nd Stage: Benson (7 holes) (4866.25' to 4867.75')
Third Riley (4 holes) (4785' to 4785.75')
Second Riley (3 holes) (4669.50' to 4670')
60 Quality Foam. 750 gal 15% HCL.
40,000# 20/40 sand, 417,000 SCF N2,
615 bbis foam.

3rd Stage: Riley (16 holes) (3998.25' to 4445.75')
60 Quality Foam. 1,000 gal 15% HCL.
5,000# 80/100 sand, 45,000# 20/40 sand,
502,000 SCF N2, 741 bbis foam.

4th Stage: Balltown (3 holes) (3793.25' to 3793.75')
Speechley (8 hole) (3306.50' to 3388')
Warren (6 holes) (3268' to 3280')
60 Quality Foam. 1,000 gal 15% HCL.
5,000# 80/100 sand, 45,000# 20/40 sand,
502,000 SCF N2, 684 bbis foam.

WELL LOG

Red Rock	0	7	
Sand & Shale	7	43	
Red Rock & Shale & Sand	43	155	
Sand & Shale	155	316	1/2" water @ 45'
Red Rock	316	494	
Sand	494	502	
Sand & Shale	502	835	
Red Rock	835	866	
Sand & Shale	866	955	
Sand	955	1084	
Sand & Shale	1084	1177	
Shell	1177	1194	
Sand	1194	1213	
Sand & Shale	1213	1632	
Maxton	1632	1692	
Sand & Shale	1692	1833	
Little Lime	1833	1844	
Sand & Shale	1844	1873	
Big Lime	1873	1925	
Big Injun	1925	2005	
Shale	2005	2157	
Weir	2157	2278	
Sand & Shale	2278	2351	
Berea	2351	2366	
Shale & Sand	2366	3224	
Warren	3224	3283	
Shale	3283	3296	
Speechley	3296	3556	
Shale	3556	3590	
Balltown	3590	4330	
Shale	4330	4399	
Riley	4399	4464	
Shale	4464	4653	
Second Riley	4653	4680	
Shale	4680	4754	
Third Riley	4754	4818	
Shale	4818	4862	
Benson	4862	4871	
Shale	4871	5103	
Alexander	5103	5209	
Sand & Shale	5209	5376	
T.D.	5376		

Gas Checks

2063' - 3/10^{ths} - 1/2" - H²O
 2497' - 2/10^{ths} - 1/2" - H²O
 3209' - 4/10^{ths} - 1/2" - H²O
 4013' - 4/10^{ths} - 1/2" - H²O
 4599' - 8/10^{ths} - 1/2" - H²O
 4816' - 20/10^{ths} - 1/2" - H²O
 5128' - 20/10^{ths} - 1/2" - H²O
 TD - 10/10^{ths} - 1/2" - H²O