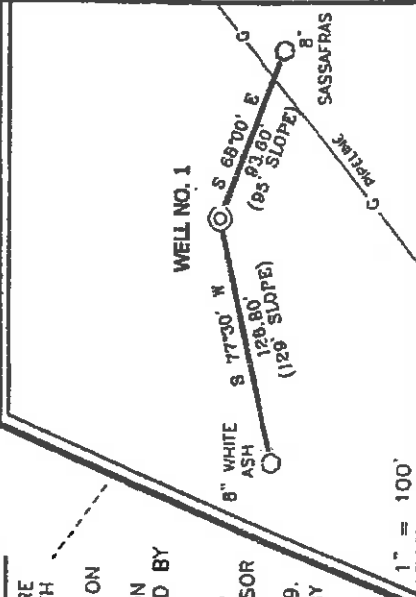


NOTES ON SURVEY

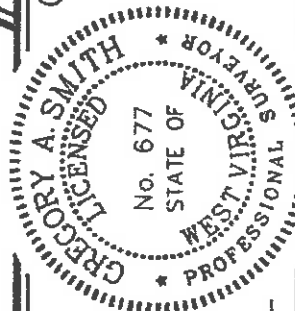
1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV NORTH ZONE NAD '27
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 3/23/99.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A TITLE REPORT PREPARED BY RICHARD M. REDDECLIFF, ATTORNEY AT LAW.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN MARCH, 1999.
5. WELL LAT./LONG. ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).

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 MARCH 24, 19 99
 OPERATORS WELL NO. LEWIS MAXWELL #1
 API WELL NO. 47-017-04504
 STATE COUNTY PERMIT

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

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 4185P1 (68-79)
 SCALE 1" = 1000'
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1231'

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

LOCATION : ELEVATION 1187' WATERSHED CLAYLICK RUN OF ARNOLD CREEK
 DISTRICT CENTRAL COUNTY DODDRIDGE QUADRANGLE WEST UNION 7.5'
 SURFACE OWNER ELEANOR M. MEYER ACREAGE 349.75
 ROYALTY OWNER LEWIS MAXWELL HEIRS et al LEASE ACREAGE 950
 PROPOSED WORK : LEASE NO. EQI. 7497
 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 4504

6-6 89

WR-35

29 - Apr - 99
API # 47 - 017 - 4504

Office of Oil & Gas
Permitting
JUL 28 1999
WV Division of
Environmental Protection

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

Reviewed 1/87

Well Operator's Report of Well Work

Farm name: MEYER, ELEANOR

Operator Well No.: MAXWELL #1

LOCATION: Elevation: 1,187.00

Quadrangle: WEST UNION

District: CENTRAL
Latitude: 6310 Feet South of 39 Deg. 17 Min. 30 Sec.
Longitude: 7170 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: MIKE UNDERWOOD
Permit Issued: 05/03/99
Well Work Commenced: 05/17/99
Well Work Completed: 05/21/99
Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5635'
Fresh water depths (ft) 150'
Salt water depths (ft) NONE

Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
8 5/8"	1190.35'	1190.35'	300 sks To Surface
4 1/2"	5559'	5559'	470 sks
2 3/8"		5364'	

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

OPEN FLOW DATA

Producing formation Balltown
Rileys
Benson
Alexander

Gas: Initial open flow 26 MCF / d Pay zone depth (ft) 3881' - 4627'
Final open flow 1,579 MCF / d Oil: Initial open flow 0 Bbl / d 4661' - 5072'
Time of open flow between initial and final tests N/A Oil: Final open flow show Bbl / d 5120' - 5128'
Static rock pressure 1800 psig (surface pressure) after 96 Hours 5365' - 5450'

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

For: KEY OIL COMPANY

By: Jan E. Chapman

Date: June 4, 1999

PRESIDENT

Dodd. 4504

AUG 09 1999

Lewis Maxwell #1 (47-017-4504)
Four Stage Foam Frac - Halliburton

1 st Stage:	Alexander (16 holes) (5384' to 5446')	60 Quality Foam. 500 gal. 15% HCL. 60,000# 20/40 sand, 550,000 SCF N2, 814 bbls foam.
2 nd Stage:	Benson (5 holes) (5124.50' to 5125.50') Third Riley (9 holes) (5037.75' to 5065.50')	60 Quality Foam. 750 gal 15% HCL. 40,000# 20/40 sand, 417,000 SCF N2, 619 bbls foam.
3 rd Stage:	Riley (12 holes) (4684' to 4703.50')	60 Quality Foam. 1,000 gal 15% HCL. 5,000# 80/100 sand, 45,000# 20/40 sand, 502,000 SCF N2, 746 bbls foam.
4 th Stage:	Balltown (14 holes) (3936.75' to 4480.75')	60 Quality Foam. 1,000 gal 15% HCL. 5,000# 80/100 sand, 45,000# 20/40 sand, 502,000 SCF N2, 684 bbls foam.

WELL LOG

Sand & Shale	0	150	
Sand	150	230	
Sand & Shale & Red Rock	230	870	
Shale	870	1181	
Red Rock & Shale	1181	2092	
Little Lime	2092	2106	
Sand & Shale	2106	2134	
Big Lime	2134	2234	
Big Injun	2234	2268	
Shale	2268	2425	
Weir	2425	2542	
Sand & Shale	2542	2625	
Berea	1615 2625	2629	
Shale	2629	2826	
Gordon	2826	2840	
Shale	2840	3494	
Warren	3494	3558	
Sand & Shale	3558	3569	
Speechley	3569	3681	
Shale	3681	3881	
Balltown	3881	4627	
Shale	4627	4661	
Riley	4661	4742	
Shale	4742	4912	
Second Riley	4912	4965	
Shale	4965	5030	
Third Riley	5030	5072	
Shale	5072	5120	
Benson	5120	5128	
Shale	5128	5365	
Alexander	5365	5450	
Sand & Shale	5450	5635	
T.D.	5635		

1/2" H₂O @ 150'

Gas Checks

- 2137' - No Show
- 2629' - 6/10^{ths} - 1" NW H₂O
- 3029' - 6/10^{ths} - 1" NW H₂O
- 3525' - 6/10^{ths} - 1" NW H₂O
- 3925' - 6/10^{ths} - 1" NW H₂O
- 4730' - 2/10^{ths} - 1" NW H₂O
- 5098' - 2/10^{ths} - 1" NW H₂O
- 5048' - 2/10^{ths} - 1" NW H₂O
- 5408' - 6/10^{ths} - 1" NW H₂O
- 5600' - 6/10^{ths} - 1" NW H₂O