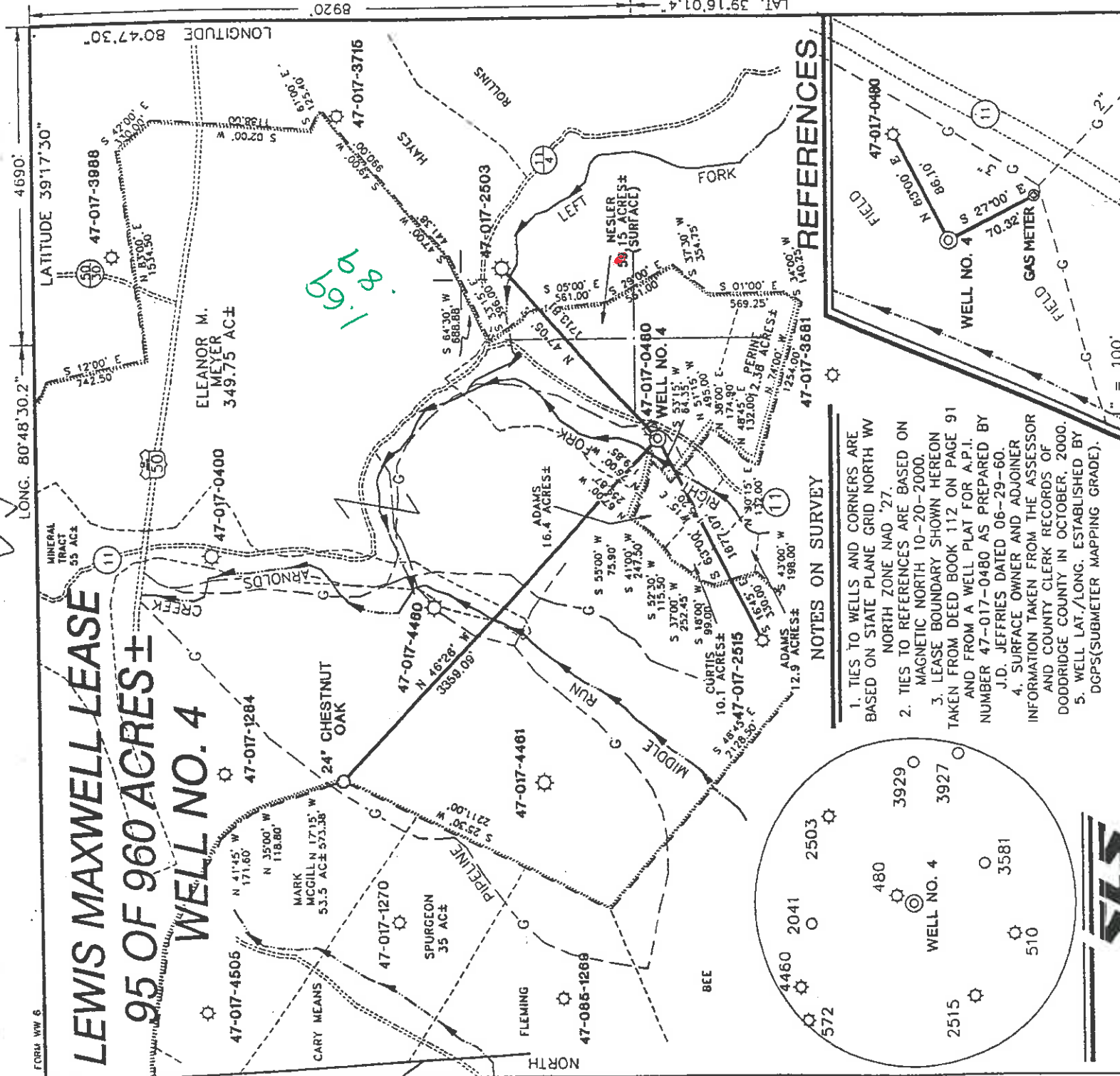


LEWIS MAXWELL LEASE 95 OF 960 ACRES ± WELL NO. 4

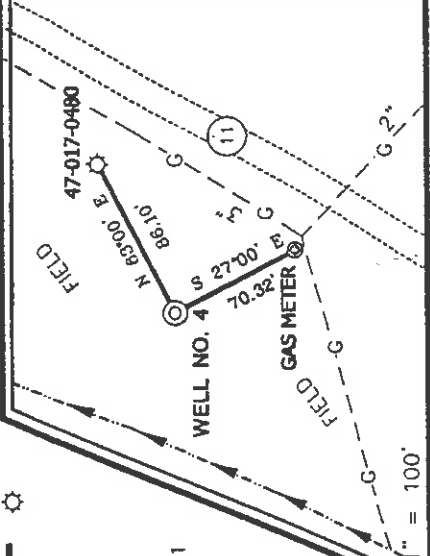


1.69 acres

NOTES ON SURVEY

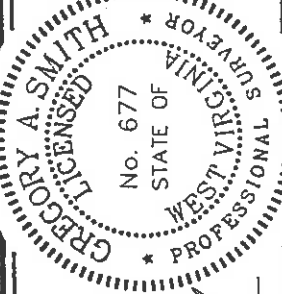
1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV NORTH ZONE NAD '27. MAGNETIC NORTH 10-20-2000.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 10-20-2000.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 112 ON PAGE 91 AND FROM A WELL PLAT FOR A.P.I. NUMBER 47-017-0480 AS PREPARED BY J.D. JEFFRIES DATED 06-29-60.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN OCTOBER, 2000.
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*
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(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE OCTOBER 31, 2000
OPERATORS WELL NO. LEWIS MAXWELL NO. 4

API WELL NO. 47-017-017 COUNTY PERMIT
STATE 47 COUNTY 017 PERMIT 04565

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 41BSP4 (92-38)
PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 816' SCALE 1" = 1000'

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



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

LOCATION : ELEVATION 814 WATERSHED RIGHT FORK OF ARNOLD CREEK

DISTRICT CENTRAL COUNTY DODDRIDGE QUADRANGLE WEST UNION 7.5'

SURFACE OWNER CHARLES E. NESLER AND MARY L. NESLER ACREAGE 59.15±

ROYALTY OWNER LEWIS MAXWELL HEIRS, et al LEASE ACREAGE 95 OF 960±
LEASE NO. 7496

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) ALEXANDER TARGET FORMATION 5600' ESTIMATED DEPTH

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

COUNTY NAME Dodd PERMIT 4565

6-6-133 DEC 8 2000

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

Reviewed *ASD*

Well Operator's Report of Well Work

Farm name: CHARLES E. & MARY L. NESLER

Operator Well No.: LEWIS MAXWELL #4

LOCATION: Elevation: 814'

Quadrangle: WEST UNION

District: CENTRAL
Latitude: 8920
Longitude: 4690

County: DODDRIDGE
Feet South of 39 Deg. 17 Min. 30 Sec.
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: 12/11/00
Well Work Commenced: 12/20/00
Well Work Completed: 12/29/00

Verbal Plugging
Permission granted on: _____ Rig
Rotary X Cable _____
Total Depth (feet) 5220'
Fresh water depths (ft) None
Salt water depths (ft) 169'

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

OPEN FLOW DATA
Warren
Speechley
Balltown
Rileys
Benson

Producing formation Alexander
Gas: Initial open flow Show MCF / d
Final open flow 1,524 MCF / d
Time of open flow between initial and final tests N/A
Static rock pressure 1750 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
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

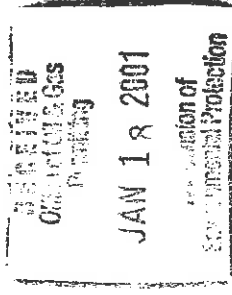
By: *[Signature]*
Date: January 15, 2001

FEB 23 2001

PRESIDENT

Dodo 4565

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	128.10'	128.10'	55 sks To Surface
8 5/8"	802.90'	802.90'	185 sks To Surface
4 1/2"	5115'	5115'	475 sks
2 3/8"		4923'	



Lewis Maxwell #4 (47-017-4565)
 Four Stages Foam Frac – B.J. Services

1 st Stage:	Alexander (16 holes) (4948.25' to 5012.25')	60 Quality Foam. 500 gal. 15% HCL. 60,000# 20/40 sand, 550,000 SCF N2, 807 bbbs foam.
2 nd Stage:	Benson (7 holes) (4693.5' to 4695') Third Riley (4 holes) (4630' to 4630.75') Second Riley (3 holes) (4483.25' to 4483.75')	60 Quality Foam. 750 gal 15% HCL. 40,000# 20/40 sand, 417,000 SCF N2, 613 bbbs foam.
3 rd Stage:	Riley (6 holes) (4672.50' to 4673.75') Balltown (9 holes) (3777.75' to 4174.25')	60 Quality Foam. 1,000 gal 15% HCL. 5,000# 80/100 sand, 45,000# 20/40 sand, 502,000 SCF N2, 739 bbbs foam.
4 th Stage:	Balltown (4 holes) (4631.25' to 3643.50') Speechley (7 hole) (3139.25' to 3226') Warren (3091.75' to 3111.25')	60 Quality Foam. 1,000 gal 15% HCL. 5,000# 80/100 sand, 45,000# 20/40 sand, 502,000 SCF N2, 654 bbbs foam.

WELL LOG

KB-GL	0	10	
Sand & Gravel	10	15	
Sand & Shale	15	100	
Sand	100	163	
Sand & Red Rock & Shale	163	900	
Sand & Shale	900	1590	
Maxon	1590	1655	
Little Lime	1655	1694	
Big Lime	1694	1751	
Big Injun	1751	1833	
Shale	1833	1988	
Weir	1988	2102	
Shale & Sand	2102	3056	
Warren	3056	3120	
Sand & Shale	3120	3130	
Speechley	3130	3238	
Shale	3238	3438	
Balltown	3438	4194	
Shale	4194	4225	
Riley	4225	4295	
Shale	4295	4470	
Second Riley	4470	4545	
Shale	4545	4600	
Third Riley	4600	4650	
Shale	4650	4690	
Benson	4690	4699	
Shale	4699	4929	
Alexander	4929	5020	
Sand & Shale	5020	5220	
T.D.	5220		

1/2" stream water @ 169'

Gas Checks

- 1703' – No Show
- 1952' – No Show
- 3104' – Odor
- 3510' – Odor
- 4320' – Odor
- 4722' - Odor
- 5000' - Odor