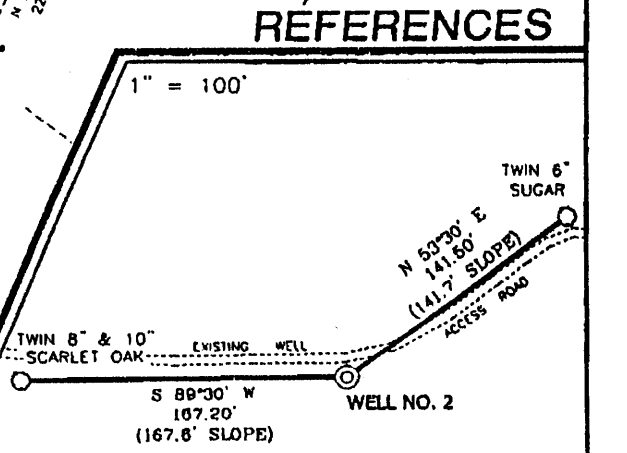


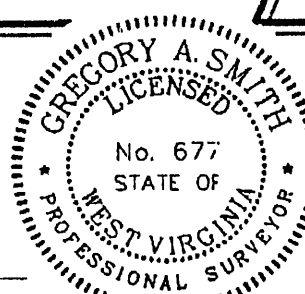
**NOTES ON SURVEY**

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).



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.

G.P.S. 577 Gregory A. Smith



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE MARCH 24, 19 99

OPERATORS WELL NO. LEWIS MAXWELL #2

API WELL NO. 47-017-04505

STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 4185P2 (68-80)

PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1231' SCALE 1" = 1000'

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

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

LOCATION : ELEVATION 977' WATERSHED CLAYLICK RUN OF ARNOLD CREEK

DISTRICT CENTRAL COUNTY DODDRIDGE QUADRANGLE WEST UNION 7.5'

SURFACE OWNER MARK A. AND CLARA J. MCGILL ACREAGE 53.5

ROYALTY OWNER LEWIS MAXWELL HEIRS et al LEASE ACREAGE 960

PROPOSED WORK : LEASE NO. EOT. 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'

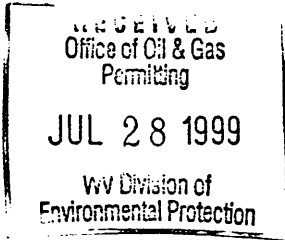
WELL OPERATOR LEY OIL COMPANY DESIGNATED AGENT JAN CHAPMAN

ADDRESS 22 GARTON PLAZA WESTON, WV 26452 ADDRESS 22 GARTON PLAZA WESTON, WV 26452

MAY 10 1999

COUNTY NAME WEST UNION PERMIT 4505

WR-35



29 - Apr - 99  
API # 47 - 017 - 4505

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

Reviewed [Signature]

Well Operator's Report of Well Work

Farm name: MCGILL, MARK

Operator Well No. : MAXWELL #2

LOCATION: Elevation: 977.00

Quadrangle: PULLMAN

District: CENTRAL

County: DODDRIDGE

Latitude: 5550 Feet South of 39 Deg. 17 Min. 30 Sec.

Longitude: 8930 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: 05/03/99  
Well Work Commenced: 05/10/99  
Well Work Completed: 05/14/99  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary X Cable \_\_\_\_\_ Rig  
Total Depth ( feet ) 5408'  
Fresh water depths ( ft ) 40', 230'  
Salt water depths ( ft ) 1983'

Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
8 5/8"	1013.70'	1013.70'	250 sks To Surface
4 1/2"	5338.50'	5338.50'	375 sks
2 3/8"		5183'	

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

OPEN FLOW DATA

Balltown	3702' - 4451'
Rileys	4484' - 4891'
Benson	4934' - 4944'
Producing formation <u>Alexander</u>	Pay zone depth ( ft ) <u>5182' - 5265'</u>
Gas: Initial open flow <u>47</u> MCF / d	Oil: Initial open flow <u>0</u> Bbl / d
Final open flow <u>1,594</u> MCF / d	Oil: Final open flow <u>show</u> Bbl / d
Time of open flow between initial and final tests <u>N/A</u> Hours	
Static rock pressure <u>1850</u> psig ( surface pressure ) after <u>96</u> Hours	

Second producing formation <u>Commingled</u>	Pay zone depth ( ft ) _____
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 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: June 3, 1999

PRESIDENT

AUG 09 1999

DODD 4505

Lewis Maxwell #2 (47-017 -4505)  
Four Stage Foam Frac - Halliburton

1 <sup>st</sup> Stage:	Alexander ( 14 holes ) ( 5203' to 5253.25' )	60 Quality Foam. 500 gal. 15% HCL. 60,000# 20/40 sand, 550,000 SCF N2, 810 bbls foam.
2 <sup>nd</sup> Stage:	Benson ( 4 holes ) ( 4942' to 4942.75' ) Third Riley ( 10 holes ) ( 4861.75' to 4882.25' )	60 Quality Foam. 1,000 gal 15% HCL. 40,000# 20/40 sand, 417,000 SCF N2, 616 bbls foam.
3 <sup>rd</sup> Stage:	Riley ( 9 holes ) ( 4523' to 4511' ) Balltown ( 4 holes ) ( 4307.5' to 4447.50' )	60 Quality Foam. 1,000 gal 15% HCL. 5,000# 80/100 sand, 45,000# 20/40 sand, 502,000 SCF N2, 743 bbls foam.
4 <sup>th</sup> Stage:	Balltown ( 13holes ) ( 3904' to 4132.50' )	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

Fill	0	4	
Red Rock	4	18	
Sand	18	29	
Shell	29	42	
Red Rock	42	68	½" H <sup>2</sup> O @ 40'
Sand	68	180	
Sand & Shale & Red Rock	180	558	½" H <sup>2</sup> O @ 230'
Sand	558	630	
Shale	630	683	
Sand	683	808	
Sand & Shale	808	908	
Red Rock & Shale	908	1922	
Little Lime	1922	1947	
Shell	1947	1967	
Big Lime	1967	2024	
Big Injun	2024	2102	Damp @ 1983'
Shale	2102	2257	
Weir	2257	2378	
Sand & Shale	2378	2455	
Berea	2455	2564	
Shale & Siltstone	2564	3318	
Warren	3318	3386	
Shale	3386	3397	
Speechley	3397	3511	<b>Gas Checks</b>
Sand & Shale	3511	3702	1922' - No Show
Balltown	3702	4451	2261' - No Show
Shale	4451	4484	2999' - No Show
Riley	4484	4553	3736' - No Show
Shale	4553	4854	4508' - 12/10 <sup>ths</sup> - 1"/w H <sup>2</sup> O
Third Riley	4854	4891	4912' - 10/10 <sup>ths</sup> - 1"/w H <sup>2</sup> O
Shale	4891	4934	5155' - 20/10 <sup>ths</sup> - 1"/w H <sup>2</sup> O
Benson	4934	4944	TD - 20/10 <sup>ths</sup> - 1"/w H <sup>2</sup> O
Shale	4944	5182	
Alexander	5182	5265	
Shale & siltstone	5265	5408	
T.D.	5408		