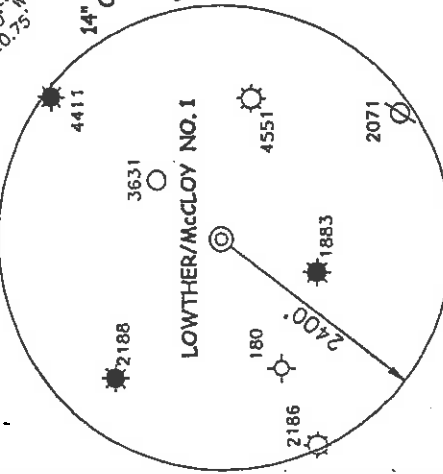


**NOTES ON SURVEY**

- TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV NORTH ZONE NAD '27. MAGNETIC NORTH 05/03/01.
- TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 05/03/01.
- LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 211 PAGE 435.
- SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN APRIL, 2001.
- WELL LAT./LONG. ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).

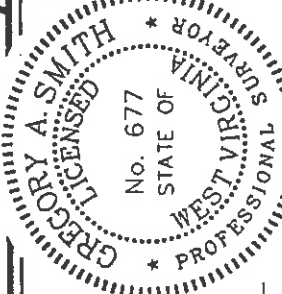


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE MAY 4 20 01

OPERATORS WELL NO. LOWTHER/McCLOY NO. 1

API WELL NO. 47-017 STATE WV COUNTY OXFORD PERMIT 04608



I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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 ENVIRONMENTAL PROTECTION.

P.S. *Gregory A. Smith*  
677

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 4703P1 (104--25) SCALE 1"=400'

PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 884'

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

LOCATION : ELEVATION 986' WATERSHED TRIBUTARY OF MIDDLE FORK QUADRANGLE OXFORD 7.5'

DISTRICT SOUTHWEST COUNTY DODDRIDGE ACREAGE 9±

SURFACE OWNER DANA ROGER LONG LEASE ACREAGE 23±

ROYALTY OWNER WILLIARD MCCLOY & GEORGIA LOWTHER et al 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 PERMIT 04608

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

6-6 133

JUL 06 2001

12-1-01  
API# 47-17-04608

*AP*

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

Well Operators Report of Well Work

Farm name: Dana Roger Long Operator Well #: Lowther/McCloy #1

Location: Elevation: 986 Quadrangle: Oxford 7.5'

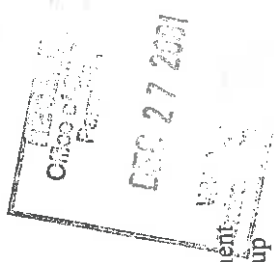
District: Southwest County Doddridge  
Latitude 1870 feet south of 39 Deg. 10 Min. 00 Sec.  
Longitude 11750 feet west of 80 Deg. 47 Min. 30 Sec.

Company: Key Oil Company  
22 Garton Plaza  
Weston, WV 26452

Agent: Jan Chapman Casing Used in Left in  
Drilling Well Cement  
Fill up

Inspector: Mike Underwood  
Permit Issued: 05-4-01 8-5/8 1084 999 220 sks  
Well Work Commenced: 10-27-01 4-1/2 5252 5083 450 sks  
Well Work Completed: 10-31-01

Verbal Plugging  
Permission granted on:  
Rotary Cable Rig  
Total Depth (ft) 5176'  
Fresh water depth (ft) 280'  
Salt water depth (ft) 1692'  
Is coal being mined in are (Y/N) N  
Coal depths (ft) N/A



OPEN FLOW DATA

Producing formation	Alexander/Elk	Pay zone depths (ft)	4810-4998
Gas: Initial open flow	84 mcf/d	Initial open flow	bbls/day
Final open flow	1540 mcf/d	Final open flow	bbls/day
Time of open flow between initial and final tests		Hours	48
Static rock pressure	1950# psig (surface pressure) after	Hours	48
Other producing formation	Riley/Benson	Pay zone depths (ft)	3125-4685
Gas: Initial open flow	* mcf/day	Initial open flow	bbls/day
Final open flow	* mcf/day	Final open flow	bbls/day
Time of open flow between initial and final tests		Hours	48
Static rock pressure	psig (surface pressure) after	Hours	48

\* = commingled zones

0000 4608

For: Key-Oil Company

By: *[Signature]*

Date: 12-1-01

FEB 01 2002

API # 47-017-04608  
 Lowther/McCoy #1

Stage #	perfs	sand	60 quality foam
Stage #1 Alexander	4810-4998	600 sks	60 quality foam
Stage #2 Benson/Riley	4610-4685	400 sks	60 quality foam
Stage #3 Riley	4610-4685	400 sks	60 quality foam
Stage #4 Speechly/Warren	3125-3255	500 sks	60 quality foam

Drillers Log

Electric Log Tops

KB-GL	0	10	
Clay	10	12	
Sd/Sh	12	67	
Red Rock	67	90	
Sd/Sh	90	232	
Shale	232	330	water @ 280'
Sd/Sh	330	412	
Sh/Red Rock	412	437	
Sd/Sh	437	535	
Sand	535	538	
Sd/Sh	538	718	
Red Rock	718	790	
Sand	790	810	
Sd/Sh	810	867	
Sand	867	906	
Sd/Sh	906	1084	
Sd/Sh	1084	1695	water @ 1692'
Lime	1695	1710	odor of gas @ 1704'
B. Lime	1710	1856	water @ 1766'
Irjun	1856	1886	
Sd/Sh	1886	3120	
Warren	3120	3170	show of gas @ 3124'
Sd/Sh	3170	3837	
Balltown	3837	3910	
Sd/Sh	3910	4280	
Riley	4280	4300	
Sd	4300	4690	
Benson	4690	4710	
Sd/Sh	4710	4930	
Alexander	4930	4960	
Sd/Sh	4960	5292	
TD	5292		