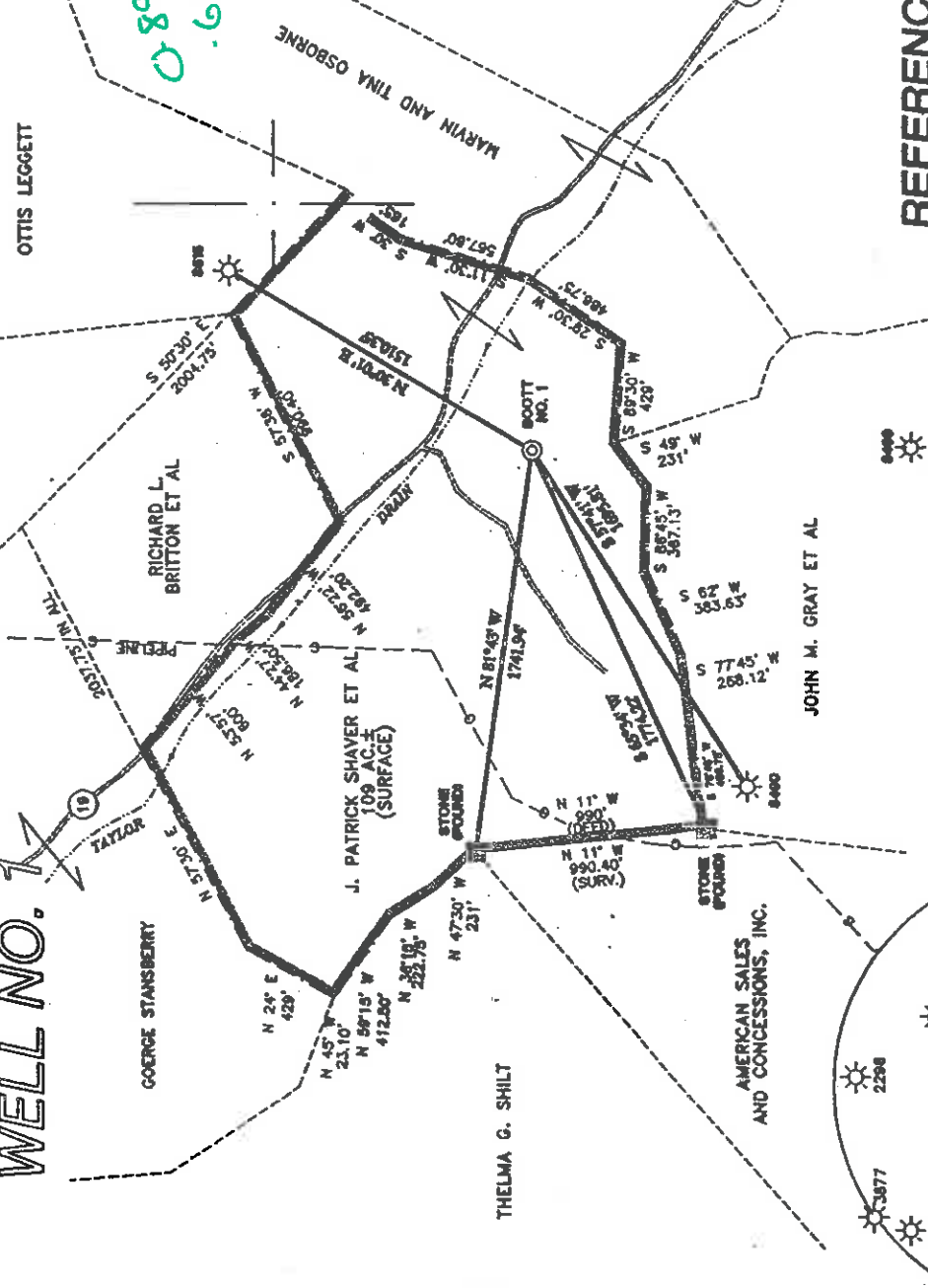


LONG. 80°50'46" LATITUDE 39°12'30"

# SCOTT LEASE 109 OF 153 ACRES ± WELL NO. 1

LONGITUDE 80°50'00" LAT. 39°11'45"

0.895  
0.680

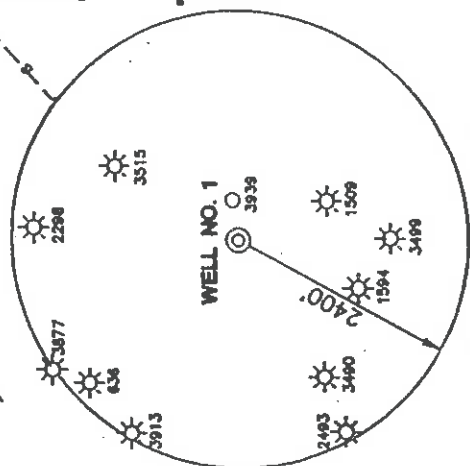


## REFERENCES

### NOTES ON SURVEY

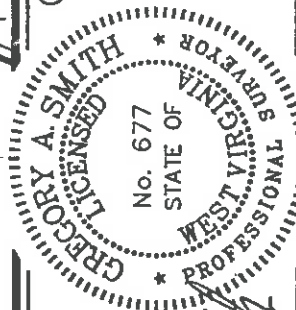
1. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 225 PAGE 72 AS PROVIDED BY RICHARD REDDECLIFF ON 12/3/98.
2. SURFACE OWNERS AND ADJONER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN DECEMBER, 1998.
3. WELL LAT./LONG. ESTABLISHED BY FIELD SURVEY ON 12/4/98 AND SCALED ON TOPO.

WELL NO. 1



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  
STATE OF WEST VIRGINIA  
PROFESSIONAL SURVEYOR



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
DATE DECEMBER 16, 19 98  
OPERATORS WELL NO. SCOTT NO. 1  
API WELL NO. 47-017-04497  
STATE WV COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 4121P1 (69-58)  
PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1209' SCALE 1" = 800'

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



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

LOCATION : ELEVATION 1030' WATERSHED TAYLOR DRAIN  
DISTRICT SOUTHWEST COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5'

SURFACE OWNER J. PATRICK SHAVER ET. AL. ACREAGE 109  
ROYALTY OWNER J. PATRICK SHAVER ET. AL. LEASE ACREAGE 109 OF 153

PROPOSED WORK : LEASE NO. \_\_\_\_\_  
DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ 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'

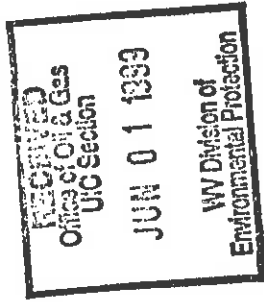
WELL OPERATOR KEY OIL COMPANY DESIGNATED AGENT JAN CHAPMAN  
ADDRESS 22 GARTON PLAZA WESTON, WV 26452 ADDRESS 22 GARTON PLAZA WESTON, WV 26452

Dodd 4497

6-6 133

466 48

WR-35



23 - Dec - 98  
API # 47 - 17 - 4497

JUN 01 1999

*18*

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

Reviewed \_\_\_\_\_

Well Operator's Report of Well Work

Farm name: SHAVER, J. PATRICK

Operator Well No. : P. SCOTT #1

LOCATION: Elevation: 1,030.00

Quadrangle: OXFORD

District: SOUTHWEST

County: DODDRIDGE

Latitude: 4680 Feet South of 39 Deg. 12 Min. 30 Sec.

Longitude: 3610 Feet West of 80 Deg. 50 Min. 00 Sec.

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

Agent: JAN E. CHAPMAN

Inspector: MIKE UNDERWOOD  
Permit Issued: 12/22/98  
Well Work Commenced: 01/08/99  
Well Work Completed: 01/13/99

Verbal Plugging  
Permission granted on: \_\_\_\_\_ Rig  
Rotary X Cable \_\_\_\_\_  
Total Depth ( feet ) 5248'  
Fresh water depths ( ft ) 15'  
Salt water depths ( ft ) 170'

is coal being mined in area ( Y / N ) ? N  
Coal Depths ( ft ) : 7' (3')

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	132'	132'	70 sks To Surface
8 5/8"	1919.10'	1919.10'	550 sks To Surface
4 1/2"	5167.40'	5167.40'	470 sks
2 3/8"		5014'	

OPEN FLOW DATA

Warren  
Speechley  
Balltown  
Rileys  
Benson  
Elk

Producing formation Alexander Pay zone depth ( ft ) \_\_\_\_\_  
 Gas: Initial open flow 18 MCF / d Oil: Initial open flow 0 Bbl / d  
 Final open flow 1,555 MCF / d Oil: Final open flow show Bbl / d  
 Time of open flow between initial and final tests N/A Hours  
 Static rock pressure 1900 psig ( surface pressure ) after 96 Hours

Second producing formation Commingle 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: May 6, 1999

PRESIDENT  
JUN 14 1999

DODD 4497

Scott #1 (47-017 - 4497)  
Four Stage Foam Frac - Halliburton

1 <sup>st</sup> Stage:	Alexander ( 11 holes ) ( 5034.50' to 5077.25' ) Elk ( 2 holes ) ( 4964.25' to 4964.50' )	60 Quality Foam. 500 gal. 15% HCL. 60,000# 20/40 sand, 550,000 SCF N2, 808 bbls foam.
2 <sup>nd</sup> Stage:	Benson ( 8 holes ) ( 4768' to 4769.75' ) Third Riley ( 5 holes ) ( 4705.75' to 4706.75' )	60 Quality Foam. 750 gal 15% HCL. 40,000# 20/40 sand, 417,000 SCF N2, 614 bbls foam.
3 <sup>rd</sup> Stage:	Riley ( 12 holes ) ( 4361.25' to 4376.25' )	60 Quality Foam. 750 gal 15% HCL. 5,000# 80/100 sand, 45,000# 20/40 sand, 502,000 SCF N2, 740 bbls foam.
4 <sup>th</sup> Stage:	Balltown ( 6 holes ) ( 3645.50' to 3764' ) Speechley ( 2 holes ) ( 3354.75' & 3355' ) Warren ( 7 hole ) ( 3211' to 3237.50' )	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	
Clay	4	7	
Coal	7	10	
Sand & Red Rock	10	120	1/2" H2O @ 15'
Red Rock & Sand & Shale	120	120	1/2" H2O @ 170'
Red Rock & Shale	120	344	
Sand & Shale	344	374	
Red Rock & Shale	374	466	
Sand & Shale	466	525	
Sand	525	1053	
Sand & Shale	1053	1075	
Sand	1075	1332	
Sand	1332	1487	
Sand & Shale	1487	1642	
Sand	1642	1781	
Little Lime	1781	1794	
Blue Monday	1794	1827	
Big Lime	1827	1879	
Big Injun	1879	1955	
Shale	1955	2121	
Weir	2121	2251	
Sand & Shale	2251	2519	
Gordon	2519	2547	<u>Gas Checks</u>
Shale & Sand	2547	3200	2573' - No Show
Warren	3200	3242	3098' - No Show
Shale	3242	3256	3800' - No Show
Speechley	3256	3368	4359' - No Show
Shale	3368	3586	4659' - No Show
Balltown	3586	3788	5006' - 12/10 <sup>ths</sup> - 1/2" w/water
Shale	3788	4350	
Riley	4350	4402	
Shale	4402	4650	
Third Riley	4650	4720	
Shale	4720	4762	
Benson	4762	4776	
Shale	4776	4948	
Elk	4948	4966	
Shale	4966	5010	
Alexander	5010	5096	
Siltstone & Shale	5096	5248	
T.D.	5248		