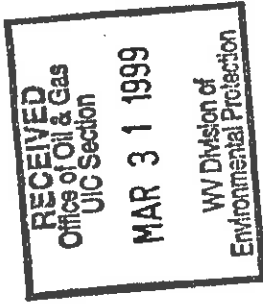




WR-35



15 - May - 98  
API # 47 - 17 - 4431

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

Well Operator's Report of Well Work

Farm name: LEGGETT, ELVIN & ROGER

Operator Well No.: LEGGETT #7

LOCATION: Elevation: 1,190.00

Quadrangle: OXFORD

District: WEST UNION  
Latitude: 3750 Feet South of 39 Deg. 15 Min. 0 Sec.  
Longitude: 3780 Feet West of 80 Deg. 50 Min. 0 Sec.

County: DODDRIDGE

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

Agent: JAN E. CHAPMAN

Inspector: SAM HERSMAN  
Permit Issued: 04/20/98  
Well Work Commenced: 08/01/98  
Well Work Completed: 08/06/98

Verbal Plugging  
Permission granted on: \_\_\_\_\_ Rig  
Rotary X Cable \_\_\_\_\_  
Total Depth ( feet ) \_\_\_\_\_ 5616'  
Fresh water depths ( ft ) \_\_\_\_\_ 8'. 164'  
Salt water depths ( ft ) \_\_\_\_\_ 2050'

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

OPEN FLOW DATA

Balltown  
Rileys  
Benson

Producing formation Alexander  
Gas: Initial open flow 60 MCF / d Pay zone depth ( ft ) \_\_\_\_\_  
Final open flow 1,540 MCF / d Oil: Initial open flow 0 Bbl / d  
Time of open flow between initial and final tests \_\_\_\_\_ N/A Oil: Final open flow show Bbl / d  
Static rock pressure 1750 psig ( surface pressure ) after \_\_\_\_\_ 96 Hours

Second producing formation Commingled  
Gas: Initial open flow \_\_\_\_\_ MCF / d Pay zone depth ( ft ) \_\_\_\_\_  
Final open flow \_\_\_\_\_ MCF / d Oil: Initial open flow \_\_\_\_\_ Bbl / d  
Time of open flow between initial and final tests \_\_\_\_\_ 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: March 24, 1999

PRESIDENT

D000 4431

APR 1 1999

Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
11 3/4"	129.20'	129.20'	70 sks To Surface
8 5/8"	2168'	2168'	635 sks To Surface
4 1/2"	5517'	5517'	sk
2 3/8"		5377'	

Leggett #7 (47-017-4431)  
Four Stage Foam Frac - Halliburton

1 <sup>st</sup> Stage:	Alexander ( 13 holes ) ( 5397.50' to 5448.25' )	60 Quality Foam. 500 gal. 15% HCL. 60,000# 20/40 sand, 550,000 SCF N2. 815 bbis foam.
2 <sup>nd</sup> Stage:	Benson ( 7 holes ) ( 5131.25' to 5132.75' ) Second Riley ( 6 holes ) ( 4958' to 4959' )	60 Quality Foam. 750 gal 15% HCL. 40,000# 20/40 sand, 417,000 SCF N2. 620 bbis foam.
3 <sup>rd</sup> Stage:	Riley ( 5 holes ) ( 4726.75' to 4726.75' ) Balltown ( 7 holes ) ( 4512' to 4627.50' )	60 Quality Foam. 1,000 gal 15% HCL. 5,000# 80/100 sand, 45,000# 20/40 sand, 502,000 SCF N2, 746 bbis foam.
4 <sup>th</sup> Stage:	Balltown ( 12 holes ) ( 4016.50' to 4422.25' )	60 Quality Foam. 1,000 gal 15% HCL. 5,000# 80/100 sand, 45,000# 20/40 sand, 502,000 SCF N2, 684 bbis foam.

WELL LOG

Fill	0	4	
Red Rock	4	21	1/4" H <sub>2</sub> O @ 8'
Sand & Shale	21	102	
Red Rock & Sand & Shale	102	272	1/2" H <sub>2</sub> O @ 164'
Shale & Sand	272	626	
Red Rock	626	646	
Sand & Shale	646	884	
Lime	884	899	
Red Rock & Sand & Shale	899	1142	
Sand & Shale	1142	2009	
Maxton	2009	2040	
Sand & Shale & Red Rock	2040	2087	Damp @ 2050'
Little Lime	2087	2109	
Sand & Shale & Lime	2109	2156	
Big Lime	2156	2231	
Big Injun	2231	2306	
Shale	2306	2462	<u>Gas Checks</u>
Weir	2462	2591	2505' - 2/10ths -2" w/H <sub>2</sub> O
Sand & Shale	2591	2654	2996' - 8/10ths -1" w/H <sub>2</sub> O
Berea	2654	2662	3705' - 2/10ths -2" w/H <sub>2</sub> O
Shale	2662	3520	4603' - 2/10ths -2" w/H <sub>2</sub> O
Warren	3520	3591	5006' - 2/10ths -2" w/H <sub>2</sub> O
Shale	3591	3600	5347' - 2/10ths -2" w/H <sub>2</sub> O
Speechley	3600	3715	
Shale	3715	3930	
Balltown	3930	4650	
Shale	4650	4695	
Riley	4695	4750	
Sand & Shale	4750	4950	
Second Riley	4950	4968	
Shale	4968	5127	
Benson	5127	5139	
Shale	5139	5326	
Elk	5326	5336	
Shale	5336	5371	
Alexander	5371	5460	
Sand & Shale	5460	5616	
T.D.	5616		