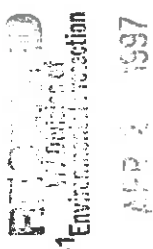


State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: MEYER, JOSEPH J. Elevation: 940.00 Operator Well No.: MEYER #1 County: DODDRIDGE Permitting
 LOCATION: District: CENTRAL Quadrangle: WEST UNION Office of Oil & Gas
 Latitude: 7000 Feet South of 39 Deg. 17 Min. 30 Sec.
 Longitude: 6250 Feet West of 80 Deg. 50 Min. 0 Sec.



Company: KEY OIL COMPANY
 22 Garton Plaza
 WESTON, WV 26452-0000

Agent: JAN E. CHAPMAN

Inspector: MIKE UNDERWOOD
 Permit Issued: 12/13/96
 Well Work Commenced: 1/15/97
 Well Work Completed: 1/28/97
 Verbal Plugging
 Permission granted on: _____
 Rotary X Cable _____ Rig
 Total Depth (feet) 5391'
 Fresh water depths (ft) 30'. 85'
 Salt water depths (ft) 1545'

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

OPEN FLOW DATA

Balltown 3732' - 4410'
 Rileys 4454' - 4750'
 Benson 4889' - 4901'
 Producing formation Alexander Pay zone depth (ft) 5138' - 5224'
 Gas: Initial open flow 11 MCF / d Oil: Initial open flow 0 Bbl / d
 Final open flow 1,524 MCF / d Oil: Final open flow show Bbl / d
 Time of open flow between initial and final tests N/A Hours
 Static rock pressure 1750 psig (surface pressure) after 96 Hours

Second producing formation Commingled 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: PRESIDENT
 Date: 4-22-97

MAY 2 1997

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	128.3	128.3	70 sks To Surface
8 5/8"	1645.7	1645.7	475 sks To Surface
4 1/2"	5315	5315	350 sks
2 3/8"		5166	

Meyer #1 (47-017-04330)
 Four Stage Foam Frac - Halliburton

1st Stage:	Alexander (11 holes) (5186' - 5209.75')	60 Quality Foam, 500 gal 15% HCL. 60,000# 20/40 sand, 550,000 SCF N2, 811 bbis foam.
2nd Stage:	Benson (5 holes) (4893' - 4894') Second Riley (5 holes) (4734' - 4742.25')	60 Quality Foam, 750 gal 15% HCL. 40,000# 20/40 sand, 417,000 SCF N2, 616 bbis foam.
3rd Stage:	Riley (10 holes) (4474.75' - 4502.25')	60 Quality Foam, 750 gal 15% HCL. 10,000# 80/100 sand, 35,000# 20/40 sand, 438,000 SCF N2, 646 bbis foam.
4th Stage:	Balltown (13 holes) (3753.5' - 4234.25')	60 Quality Foam, 1000 gal 15% HCL. 5,000# 80/100 sand, 35,000# 20/40 sand, 390,000 SCF N2, 589 bbis foam.

WELL LOG

Fill	0	14	
Sand & Shale	14	75	Damp @ 30'
Red Rock	75	79	
Sand & Shale	79	196	½" H ² O @ 85'
Sand & Shale & Red Rock	196	924	
Sand & Shale	924	1280	
Sand	1280	1312	
Sand & Shale	1312	1460	
Salt Sand	1460	1515	
Sand & Shale	1515	1905	
Little Lime	1905	1933	
Shale	1933	1944	
Big Lime	1944	2018	
Big Injun	2018	2070	
Shale	2070	2234	
Weir	2234	2360	
Shale	2360	2427	
Berea	2427	2435	
Sand & Shale	2435	3313	
Warren	3313	3370	
Shale	3370	3384	
Speechley	3384	3498	
Shale	3498	3732	
Balltown	3732	4410	
Shale & Sand	4410	4454	
Riley	4454	4520	
Shale	4520	4710	
Second Riley	4710	4750	
Shale	4750	4889	
Benson	4889	4901	
Sand & Shale	4901	5138	
Alexander	5138	5224	
Shale	5224	5391	
T.D.	5391		

Gas Checks
 2550 No Show
 3038 No Show
 3669 1/10ths ½" w/H²O
 4293 No Show
 4793 No Show
 5104 No Show
 TD 1/10ths 1" w/H²O

Damp @ 1545'

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WELL WORK PERMIT APPLICATION

1) Well Operator: KEY OIL COMPANY ^{475 2865} ① 671

Operator's Well Number: MEYER #1 3) Elevation: 940'

Well type: (a) Oil X / or Gas X / Issued 12/13/96
 (b) If Gas: Production X / Undergrnd Storage X / Expire 12/13/98
 Deep / Shallow X /

Proposed Target Formation(s): ALEXANDER ⁴³⁹

Proposed Total Depth: 5600 feet

7) Approximate fresh water strata depths: 75'

8) Approximate salt water depths: -0-

9) Approximate coal seam depths: N/A

10) Does land contain coal seams tributary to active mine? Yes / No X /

11) Proposed Well Work: DRILL, STIMULATE, PRODUCE Paul Webb

12) CASING AND TUBING PROGRAM

CASING AND TUBING PROGRAM

TYPE	SIZE	GRADE	WEIGHT per ft.	FOOT DRILLING	LEFT IN well	FILL-UP (cu. ft.)
Conductor	11 3/4	ERW	42	40	0	<u>3058/11.3</u>
Fresh Water	8 5/8	ERW	23	940	940	255 SKS. TO SURFACE
Coal						<u>3058/11.2.2</u>
Intermediate						
Production	4 1/2	J-55	10.5	5400	5400	450 SKS.
Tubing	1.5					<u>3058/11.1</u>
Liners						RECEIVED WV Division of Environmental Protection

PACKERS : Kind Sizes Depths set
DEC 0 2 1996

For Office of Oil and Gas Use Only
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-2B Bond (Type) Agent

1) Date: NOVEMBER 25, 1996
2) Operator's well number MEYER #1
3) API Well No: 47-017 - 4330
State County Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served: 5) (a) Coal Operator:
- (a) Name JOSEPH J. MEYER Name NONE
Address P. O. BOX 293, OLD NY ROAD Address
PORT REPUBLIC, NJ 08241
- (b) Name (b) Coal Owner(s) with Declaration
Address Name
 Address
- (c) Name Name
Address Address
- 6) Inspector MIKE UNDERWOOD (c) Coal Lessee with Declaration
Address RT. 2 BOX 135 Name
SALEM, WV 26426 Address
Telephone (304)- 782-1043

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR

Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through on the above named parties, by:

- Personal Service (Affidavit attached)
- Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

West Operator KEY OIL COMPANY **RECEIVED**
By Stuart Chapman My Division of
Environmental Protection
Its PRESIDENT
Address 22 GARTON PLAZA DEC 02 1996
WESTON, WV 26452

Subscribed and sworn before me this 25TH day of NOVEMBER, 19 96 Office of Oil & Gas Permitting

My commission expires MARCH 24, 2003 Karen Cook Notary Public

