

State of West Virginia  
Department of Environmental Protection - Office of Oil and Gas  
Well Operator's Report of Well Work

API 47 - \_\_\_\_\_ - \_\_\_\_\_ County \_\_\_\_\_ District \_\_\_\_\_  
Quad \_\_\_\_\_ Pad Name \_\_\_\_\_ Field/Pool Name \_\_\_\_\_  
Farm name \_\_\_\_\_ Well Number \_\_\_\_\_  
Operator (as registered with the OOG) \_\_\_\_\_  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing \_\_\_\_\_ Easting \_\_\_\_\_  
Landing Point of Curve Northing \_\_\_\_\_ Easting \_\_\_\_\_  
Bottom Hole Northing \_\_\_\_\_ Easting \_\_\_\_\_

Elevation (ft) \_\_\_\_\_ GL Type of Well  New  Existing Type of Report  Interim  Final  
Permit Type  Deviated  Horizontal  Horizontal 6A  Vertical Depth Type  Deep  Shallow  
Type of Operation  Convert  Deepen  Drill  Plug Back  Redrilling  Rework  Stimulate  
Well Type  Brine Disposal  CBM  Gas  Oil  Secondary Recovery  Solution Mining  Storage  Other \_\_\_\_\_  
Type of Completion  Single  Multiple Fluids Produced  Brine  Gas  NGL  Oil  Other \_\_\_\_\_  
Drilled with  Cable  Rotary

Drilling Media Surface hole  Air  Mud  Fresh Water Intermediate hole  Air  Mud  Fresh Water  Brine  
Production hole  Air  Mud  Fresh Water  Brine  
Mud Type(s) and Additive(s)  
\_\_\_\_\_  
\_\_\_\_\_

Date permit issued \_\_\_\_\_ Date drilling commenced \_\_\_\_\_ Date drilling ceased \_\_\_\_\_  
Date completion activities began \_\_\_\_\_ Date completion activities ceased \_\_\_\_\_  
Verbal plugging (Y/N) \_\_\_\_\_ Date permission granted \_\_\_\_\_ Granted by \_\_\_\_\_

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft \_\_\_\_\_ Open mine(s) (Y/N) depths \_\_\_\_\_  
Salt water depth(s) ft \_\_\_\_\_ Void(s) encountered (Y/N) depths \_\_\_\_\_  
Coal depth(s) ft \_\_\_\_\_ Cavern(s) encountered (Y/N) depths \_\_\_\_\_  
Is coal being mined in area (Y/N) \_\_\_\_\_

Reviewed by:  
03/01/2024

API 47- \_\_\_\_\_ - \_\_\_\_\_ Farm name \_\_\_\_\_ Well number \_\_\_\_\_

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/ N) * Provide details below*
Conductor							
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production							
Tubing							
Packer type and depth set							

Comment Details \_\_\_\_\_  
\_\_\_\_\_

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor							
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production							
Tubing							

Drillers TD (ft) \_\_\_\_\_ Loggers TD (ft) \_\_\_\_\_  
 Deepest formation penetrated \_\_\_\_\_ Plug back to (ft) \_\_\_\_\_  
 Plug back procedure \_\_\_\_\_

Kick off depth (ft) \_\_\_\_\_

Check all wireline logs run  caliper  density  deviated/directional  induction  
 neutron  resistivity  gamma ray  temperature  sonic

Well cored  Yes  No  Conventional  Sidewall Were cuttings collected  Yes  No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

WAS WELL COMPLETED AS SHOT HOLE  Yes  No DETAILS \_\_\_\_\_

WAS WELL COMPLETED OPEN HOLE?  Yes  No DETAILS \_\_\_\_\_

WERE TRACERS USED  Yes  No TYPE OF TRACER(S) USED \_\_\_\_\_

API 47- \_\_\_\_ - \_\_\_\_\_ Farm name \_\_\_\_\_ Well number \_\_\_\_\_

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)

Please insert additional pages as applicable.

API 47- \_\_\_\_\_ - \_\_\_\_\_ Farm name \_\_\_\_\_ Well number \_\_\_\_\_

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>	
	TVD	MD
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Please insert additional pages as applicable.

GAS TEST     Build up     Drawdown     Open Flow                      OIL TEST     Flow     Pump

SHUT-IN PRESSURE    Surface \_\_\_\_\_ psi    Bottom Hole \_\_\_\_\_ psi    DURATION OF TEST \_\_\_\_\_ hrs

OPEN FLOW    Gas \_\_\_\_\_ mcfpd    Oil \_\_\_\_\_ bpd    NGL \_\_\_\_\_ bpd    Water \_\_\_\_\_ bpd    GAS MEASURED BY  
 Estimated     Orifice     Pilot

LITHOLOGY/ FORMATION	TOP	BOTTOM	TOP	BOTTOM	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H <sub>2</sub> S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	
	0		0		

Please insert additional pages as applicable.

Drilling Contractor \_\_\_\_\_  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Logging Company \_\_\_\_\_  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Cementing Company \_\_\_\_\_  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Stimulating Company \_\_\_\_\_  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Please insert additional pages as applicable.

Completed by \_\_\_\_\_ Telephone \_\_\_\_\_  
Signature \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

# Gasco Drilling Inc.

Cedar Bluff, Va 24609  
(540)964-2696

Rig No. 5

## Driller's Log

Operator's Well Name & Number:

506168

API No. 47-4701511

AFE No. \_\_\_\_\_

County: Wyoming

District: Clear Fork

State: West Virginia

Gasco Drilling

(Drilling Contractor)

03/01/2024

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March 1, 2011  
West Virginia  
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### FORMATION

### RECORD

TOP (DEPTH)	BASE (DEPTH)	FORMATION (STRATA)
0	23	COVER BURTON
23	115	SANDSTONE
115	117	COAL
117	200	SANDY SHALE
200	202	COAL
202	350	STREAKED SANDSTONE
350	351	COAL
351	420	SANDY SHALE
420	481	COAL
480	1000	SALT SAND
1000	1002	COAL
1002	1090	STREAKED SANDSTONE
1090	1270	RAVEN CLIFF
1270	1360	SANDY SHALE
1360	1410	UPPER MAXTON
1410	1620	STREAKED SANDSTONE
1620	1660	MIDDLE MAXTON
1660	1800	SANDY SHALE
1800	2000	STREAKED SANDSTONE
2000	2100	LOWER MAXTON
2100	2200	LITTLE LIME
2200	2235	RED ROCK
2235	2650	BIG LIME
2650	2910	SANDY SHALE
2910	2940	UPPER WEIR
2940	2970	SANDY SHALE
2970	3000	LOWER WEIR
3000	3400	SANDY SHALE
3400	3450	BERDA
3450	3575	SANDY SHALE T.O.

DESCRIPTION (HARD, SOFT, COLOR ?)	REMARKS: (OIL, FRESH, SALT WATER, GAS)
	85 WATER 1" STREN
	111 " " 2' STREN
	250 6" STREN ↓

RAN 81 JOINTS OF 5 1/2  
 15.5" PIPE 3549 SET AT 3554  
 CEMENT WITH B. J.  
 270 SKS OF 5-4-3 BLEND  
 PUMP 9.5 BARREL OF HCL ACID  
 15%  
 Plug down AT P.M.  
 10-18-01

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**PLUGGING RECORD**

**R E M A R K S**

DATE WELL PLUGGED: \_\_\_\_\_

PLUGGING CONTRACTOR: \_\_\_\_\_

PIPE LEFT IN HOLE:

Size:	Footage:
_____	_____
_____	_____
_____	_____

CEMENT/GEL PLUGS SET AS FOLLOWS:

From:	To:	Sacks/Type:
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
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_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

set 21' on well #1  
set 23.3 on well #2  
of 16" conduct

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**TALLY OF PIPE**

SIZE		WEIGHT		GRADE		THREAD	
11-3/4						off	

Feet		In		Feet		In		Feet		In	
① 43	85	②		43	05						
44	20			44	30						
44	-			44	35						
132	05			32	25						
				44	20						
				44	15						
				44	10						
				44	40						
				43	85						
				44	35						
				43	-						
				44	-						
				521	50						
				352							
				Feet							
				In							
				WT							


**TALLY OF PIPE**

SIZE		WEIGHT		GRADE		THREAD	

Feet		In		Feet		In		Feet		In	

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