

OPERATOR Bird Energy, Inc. LEASE Maranville SEC. 23 TWP. 19S RGE. 23W

FILL IN WELL INFORMATION AS REQUIRED: WELL NO. 1

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.		SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.		
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Check if no Drill Stem Tests Run.				
Surface soil and gravel.....	0	70		
Shale & sand.....	70	270		
Red Bed.....	270	405		
Sand & shale.....	405	540		
Red Bed.....	540	550		
Shale.....	550	595		
Shale & sand.....	595	893		
Blaine.....	893	907		
Shale.....	907	980		
Sand.....	980	1200		
Shale.....	1200	1522		
Anhydrite.....	1522	1540		
Shale.....	1540	2480		
Shale & lime.....	2480	3890		
Lime.....	3890	3995		
Lime & shale.....	3995	4391		
Chert.....	4391	4422		
Geologist on Well: James B. Phillips & Louis S. Bird				
Electric Log Tops:				
Heebner 3706 (-1439)	DST # 1	4254-4290/15-30-30-60, 65' oil spotted mud, SIP 370-485, FP 76-76#		
Lansing 3754 (-1487)				
Ft. Scott 4271 (-2004)				
Miss 4364 (-2097)	DST # 2	4317-4391/ 15-30-30-60, 30' sl oil spotted mud, SIP 1073-1035#, FP 76-76#		
TD 4424 (-2157)				
If additional space is needed use Page 2, Side 2				

Report of all strings set — surface, intermediate, production, etc. CASING RECORD (New) or ~~Reused~~

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface	12-1/4	8-5/8	24#	594	60/40 poz	425	2%gel, 3%cc

LINER RECORD			PERFORATION RECORD		
Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval

TUBING RECORD	
Size	Setting depth

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

Date of first production	Producing method (flowing, pumping, gas lift, etc.)	Gravity
Estimated Production - I.P.	Gas	Water %
	bbbls.	MCF
Disposition of gas (vented, used on lease or sold)		Gas-oil ratio
Perforations		CFPB

COOPER & S. HALL
MARANVILLE, MISSOURI