

Operator Name A & A Discovery, Inc. Lease Name..... Holland Well #..... A-1

Sec..... 8 Twp..... 27 Rge..... 11 ☐ East
☒ West County..... Pratt

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

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Drill Stem Tests Taken ☒ Yes ☐ No
Samples Sent to Geological Survey ☐ Yes ☒ No
Cores Taken ☐ Yes ☒ No

DST#1 - 3668-3689. 30-60-45-90, IHP 1773,
IFP 94, ICIP 1300, FFP 116, FCIP
1300, FHP 1718. 123°F.
Recovery 180' muddy water.

DST#2 - 3925-3946. 30-30-30-30, IHP 1902,
IFP 50 to 56, ICIP 10127, FFP 64 to 70,
FCIP 1084, FHP 1880. Recovery-
45' oilspecked mud.

DST#3 - 4302-4315. 30-60-45-90. IHP 2016,
IFP 114 to 120, ICIP 1024, FFP 168 to
172, FCIP 1024, FHP 1994. ? F.
Recovery 1900' of gas in pipe,
220' of gassy water.

DST#4 - 3890-3914. 30-57-40-93, IHP 1883,
IFP 372 to 659, ICIP 1418, FFP 795
to 1012, FCIP 1412, FHP 1824.
Recovery 3800' gassy oil 30G, @
60°F.

Formation Description

☒ Log ☐ Sample

Name	Top	Bottom
Heebner Shale	3443	
Toronto	3457	
Douglas Shale	3476	
Brown Lime	3626	
Lansing	3643	
B/KC	3993	
Mississippi	4080	
Kinderhook	4202	
Viola	4296	
Simpson Shale	4394	
Arbuckle	4480	

CASING RECORD ☐ New ☒ Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (in O.D.)	Weight Lbs/Ft.	Setting Depth	Type of Cement	#Sacks Used	Type and Percent Additives
Surface Pipe	12 1/4"	8 5/8"	20	323	60/40 Poz	175	2% gel, 3% C.C.
Production Pipe	7 7/8"	4 1/2"	10.5	4054	Surfill	125	300 gal. Mud Sweep

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
..... 4	3904-3906	1000 gal. 15%	3904-06
.....		 demulsion	
.....			
.....			

TUBING RECORD	Size	Set At	Packer at	Liner Run	☐ Yes ☒ No
	2-3/3	3931	none		

Date of First Production	Producing Method
7-9-88	☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (explain)

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	200 BBL.	none	none	100% oil	37°
	Bbl's	MCF	Bbl's	CFPB	

METHOD OF COMPLETION

Production Interval

Disposition of gas: ☐ Vented ☐ Open Hole ☒ Perforation
☐ Sold ☐ Other (Specify)
☒ Used on Lease

3904-3906

☐ Dually Completed
☐ Commingled

N/A