

Oklahoma Corporation Commission
Oil & Gas Conservation Division
Post Office Box 52000
Oklahoma City, Oklahoma 73152-2000
Rule 165: 10-3-25

Form 1002A

API No.: 35011241130000

Completion Report

Spud Date: November 17, 2018

OTC Prod. Unit No.: 011-225324-0-0000

Drilling Finished Date: December 22, 2018

1st Prod Date: March 20, 2019

Completion Date: March 20, 2019

Drill Type: HORIZONTAL HOLE

Min Gas Allowable: Yes

Well Name: HART FEDERAL 17-20-1XH

Purchaser/Measurer: ONEOK

Location: BLAINE 18 19N 13W
NE SE NE SE
1865 FSL 204 FEL of 1/4 SEC
Derrick Elevation: 1682 Ground Elevation: 1655

First Sales Date: 03/20/2019

Operator: DERBY EXPLORATION LLC 24143
PO BOX 779
100 PARK AVE STE 400
OKLAHOMA CITY, OK 73101-0779

Completion Type	
X	Single Zone
	Multiple Zone
	Commingled

Location Exception	
Order No	
695937	

Increased Density	
Order No	
There are no Increased Density records to display.	

Casing and Cement							
Type	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
CONDUCTOR	20	65	J-55	44			
SURFACE	13.375	54.5	J-55	420		452	SURFACE
INTERMEDIATE	9.63	40	HCP-110	8165		682	4840
PRODUCTION	5.5	23	P-110	14245		1300	7607

Liner								
Type	Size	Weight	Grade	Length	PSI	SAX	Top Depth	Bottom Depth
There are no Liner records to display.								

Total Depth: 14245

Packer	
Depth	Brand & Type
There are no Packer records to display.	

Plug	
Depth	Plug Type
There are no Plug records to display.	

Initial Test Data

Test Date	Formation	Oil BBL/Day	Oil-Gravity (API)	Gas MCF/Day	Gas-Oil Ratio Cu FT/BBL	Water BBL/Day	Pumpin or Flowing	Initial Shut-In Pressure	Choke Size	Flow Tubing Pressure
Apr 12, 2019	MISSISSIPPIAN	448	40	2115	4721	2565	FLOWING	550	40/64	1025

Completion and Test Data by Producing Formation

Formation Name: MISSISSIPPIAN

Code: 359MSSP

Class: OIL

Spacing Orders

Order No	Unit Size
690462	640
691148	320
695936	MULTIUNIT

Perforated Intervals

From	To
9479	12087
12124	14145

Acid Volumes

84,004 GALLONS 15% HCL

Fracture Treatments

13,224,508 GALLONS SLICK WATER, 11,455,720 POUNDS 40/70 SAND
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Formation	Top
BIG LIME	7672
PINK LIME	7891
INOLA	8138
ATOKA	8240
CHESTER	8462

Were open hole logs run? No

Date last log run:

Were unusual drilling circumstances encountered? No

Explanation:

Other Remarks

OCC - THIS DOCUMENT IS ACCEPTED BASED ON THE DATA SUBMITTED NEITHER THE FINAL LOCATION EXCEPTION NOR THE FINAL MULTIUNIT ORDERS HAVE BEEN ISSUED.

Lateral Holes

Sec: 20 TWP: 19N RGE: 13W County: BLAINE

W2 W2

3126 FSL 648 FWL of 1/4 SEC

Depth of Deviation: 8273 Radius of Turn: 477 Direction: 180 Total Length: 4532

Measured Total Depth: 14245 True Vertical Depth: 9236 End Pt. Location From Release, Unit or Property Line: 648

FOR COMMISSION USE ONLY

1142846

Status: Accepted

RECEIVED

Form 1002A

Rev. 2009

API NO. 011 24113

OTC PROD. UNIT NO. ~~043-224310~~ **011-225324-0-0000**

(PLEASE TYPE OR USE BLACK INK ONLY)

OKLAHOMA CORPORATION COMMISSION

Oil & Gas Conservation Division

Post Office Box 52000

Oklahoma City, Oklahoma 73152-2000

Rule 165:10-3-25

MAY 09 2019

OKLAHOMA CORPORATION COMMISSION

☒ ORIGINAL

☐ AMENDED (Reason) _____

COMPLETION REPORT

TYPE OF DRILLING OPERATION

☐ STRAIGHT HOLE ☐ DIRECTIONAL HOLE ☒ HORIZONTAL HOLE

☐ SERVICE WELL

If directional or horizontal, see reverse for bottom hole location.

COUNTY **Blaine** SEC **18** TWP **19N** RGE **13W**

LEASE NAME **Hart Federal** WELL NO. **17-20-1** XH

NE 1/4 SE 1/4 NE 1/4 SE 1/4 FSL OF 1/4 SEC **1865** FEL OF 1/4 SEC **204**

ELEVATION Derrick FL **1682** Ground **1655** Latitude (if known) _____ Longitude (if known) _____

OPERATOR NAME **Derby Exploration, LLC** OTC/OCC OPERATOR NO. **24143 0**

ADDRESS **P.O. Box 779**

CITY **OKC** STATE **OK** ZIP **73101-0779**

COMPLETION TYPE

☒ SINGLE ZONE

☐ MULTIPLE ZONE

Application Date **6/9/2019**

COMMINGLED

Application Date **6/9/2019**

LOCATION EXCEPTION ORDER NO. **2018-08586**

INCREASED DENSITY ORDER NO. _____

CASING & CEMENT (Form 1002C must be attached)

TYPE	SIZE	WEIGHT	GRADE	FEET	PSI	SAX	TOP OF CMT
CONDUCTOR	20	65	J-55	44			
SURFACE	13.375	54.5	J-55	420		452	surface
INTERMEDIATE	9.63	40	HC-P110	8,165		682	4,840
PRODUCTION	5.5	23	P-110	14,245		1,838 1300	8,038 7607
LINER							
						TOTAL DEPTH	14,245

PACKER @ _____ BRAND & TYPE _____ PLUG @ _____ TYPE _____ PLUG @ _____ TYPE _____

PACKER @ _____ BRAND & TYPE _____ PLUG @ _____ TYPE _____ PLUG @ _____ TYPE _____

COMPLETION & TEST DATA BY PRODUCING FORMATION

FORMATION	Mississippian						
SPACING & SPACING ORDER NUMBER	MUHW 2018-08585 MU 690462(40) 691148(320)						
CLASS: Oil, Gas, Dry, Inj, Disp, Comm Disp, Svc	695936 F.O.O.I. MU 9,479 per 60R 12087						
PERFORATED INTERVALS	12124 14145						
ACID/VOLUME	84,004 (gal) 15% HCl						
FRACTURE TREATMENT (Fluids/Prop Amounts)	13,224,508 (gal) slick water						
	11,455,720 (lb) 40/70 Sand						

☒ Min Gas Allowable (165:10-17-7)

OR

☐ Oil Allowable (165:10-13-3)

Gas Purchaser/Measurer

First Sales Date

OneOK

3/20/2019

INITIAL TEST DATA

INITIAL TEST DATE	4/12/2019				
OIL-BBL/DAY	448				
OIL-GRAVITY (API)	40				
GAS-MCF/DAY	2115				
GAS-OIL RATIO CU FT/BBL	4721				
WATER-BBL/DAY	2565				
PUMPING OR FLOWING	flowing				
INITIAL SHUT-IN PRESSURE	550				
CHOKE SIZE	40/64				
FLOW TUBING PRESSURE	1025				

AS SUBMITTED

A record of the formations drilled through, and pertinent remarks are presented on the reverse. I declare that I have knowledge of the contents of this report and am authorized by my organization to make this report, which was prepared by me or under my supervision and direction, with the data and facts stated herein to be true, correct, and complete to the best of my knowledge and belief.

Shellee Kennedy SIGNATURE

Shellee Kennedy NAME (PRINT OR TYPE)

405-202-4535 PHONE NUMBER

P.O. Box 779 OKC, OK 73101 ADDRESS

skennedy@derbyenergy.com EMAIL ADDRESS

DATE

Give formation names and tops, if available, or descriptions and thickness of formations drilled through. Show intervals cored or drillstem tested.

NAMES OF FORMATIONS	TOP
Big Lime	7,672
Pink Lime	7,891
Inola	8,138
Atoka	8,240
Chester	8,462

APPROVED DISAPPROVED 2) Reject Codes

Were unusual drilling circumstances encountered? _____ yes X no
If yes, briefly explain below

640 Acres

20

x

d

640 Acres

A 10x10 grid representing 640 acres. A thick vertical line separates the first column from the remaining nine columns. The first column contains 10 small squares, and the remaining nine columns each contain 10 small squares, for a total of 100 small squares.

SEC	TWP	RGE	COUNTY
Spot Location			
1/4	1/4	1/4	1/4
Measured Total Depth		True Vertical Depth	Feet From 1/4 Sec Lines FSL FWL
BHL From Lease, Unit, or Property Line:			

LATERAL #1									
SEC 20	TWP 19N	RGE 13W	COUNTY Blaine 493						
Spot Location NW 1/4 SW 1/4 SW 1/4		1/4		Feet From 1/4 Sec Lines			FSL 3126	FWL 648	
Depth of Deviation 8,273		Radius of Turn 477		Direction 180			Total Length 4,532		
Measured Total Depth 14,245		True Vertical Depth 9,236		BHL From Lease, Unit, or Property Line: 493 rd 648FWL					

SEC	TWP	RGE	COUNTY
Spot Location			
1/4	1/4	1/4	1/4
Feet From 1/4 Sec Lines		FSL	FWL
Depth of Deviation		Radius of Turn	Direction
Measured Total Depth		True Vertical Depth	Total Length
BHL From Lease, Unit, or Property Line:			

LATERAL #3						
SEC	TWP	RGE	COUNTY			
Spot Location						
1/4		1/4		1/4		1/4
Feet From 1/4 Sec Lines				FSL		FWL
Depth of Deviation		Radius of Turn		Direction		Total Length
Measured Total Depth		True Vertical Depth		BHL From Lease, Unit, or Property Line:		