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

API No.: 35071249010000

Drill Type:

Location:

Well Name: BRUCE 1

OTC Prod. Unit No.: 071-225461-0-0000

STRAIGHT HOLE

KAY 18 29N 3E

**Completion Report** 

Spud Date: December 22, 2018

Drilling Finished Date: December 30, 2018 1st Prod Date: March 09, 2019 Completion Date: March 08, 2019

Purchaser/Measurer:

First Sales Date:

- E2 SW SW NE 330 FSL 535 FWL of 1/4 SEC Latitude: 36.9929495 Longitude: -97.0189978 Derrick Elevation: 1170 Ground Elevation: 1160
- Operator: HADAWAY CONSULTING & ENGINEERING LLC 22787 PO BOX 188 711 W BIRCH ST CANADIAN, TX 79014-0188

	Completion Type	Location Exception	Increased Density
Х	Single Zone	Order No	Order No
	Multiple Zone	There are no Location Exception records to display.	There are no Increased Density records to display.
	Commingled		

					-	nent				
т	уре		Size	Weight	Grade	Fe	et	PSI	SAX	Top of CMT
CONDUCTOR			20	94	J-55	4	0			SURFACE
SURFACE			8 5/8	24	J-55	29	)2		188	SURFACE
PRODUCTION			5 1/2	15.5	J-55	J-55 3350			180	1800
					Liner	-				
Туре	Size	Weigh	t	Grade	Length	PSI	SAX	Тор	Depth	Bottom Dept

## Total Depth: 3350

Pac	ker	Plug				
Depth	Brand & Type	Depth Plug Type				
There are no Packe	r records to display.	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		
Mar 20, 2019	20, 2019 CLEVELAND 40			50	1250	110	PUMPING	500				
		Con	pletion and	Test Data k	by Producing F	ormation						
	Formation Name: CLEV	ELAND		Code: 40	5CLVD	С	lass: OIL					
	Spacing Orders				Perforated I	ntervals						
Order	· No U	nit Size		Fron	n	1	Го					
688998 40				2896	3	29	929					
	Acid Volumes			Fracture Tre	7							
	NONE		1,7	1,770 BARRELS 20 POUNDS XL GEL, 78,800 POUNDS 16/30 SAND								
Formation		Т	ор		/ere open hole	oas run? Ye	s					
OREAD					ate last log run:							
PAWHUSKA				2080 v	/ere unusual dri	lling circums	tances encou	Intered? No				
AVANT					xplanation:	0						
OSAGE LAYTC	٥N			2569								
CHECKERBOA	RD			2858								
CLEVELAND				2882								
OSWEGO				2982								
RED FORK				3320								
Other Remarks	5	•										
There are no Ot	ther Remarks.											

# FOR COMMISSION USE ONLY

Status: Accepted

1143527

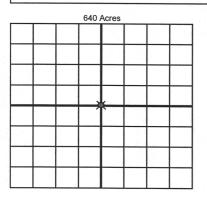
API NO. 07124901 OTE PROD. UNIT NO. 071-2254 X ORIGINAL AMENDED (Reason)	(PLEASE TYPE OR USE	BLACK INK ONLY)	о -	Oil & Gas Post Oklahoma Ci F	ORPORATION Conservation I Office Box 520 ty, Oklahoma 7 Rule 165:10-3-2 PLETION REP	Division 00 3152-2000 5	έtα) en	JUL 1	2 2019 Corporation	Form 1002/ Rev. 200
TYPE OF DRILLING OPERATIO		7	SPUE	DATE	12/22/20	18	- On	640 Acres	Corporation	
X STRAIGHT HOLE SERVICE WELL		HORIZONTAL HOLE	DRLG	FINISHED	12/30/20					
If directional or horizontal, see re		29NRGE 3E	DATE DATE	OF WELL	03/08/20					
				PLETION						
NAME	BRUCE	NO.	1- 5 C. A.	ROD DATE	03/09/20	19 w	7	)		
	174 SEC	330' FWL OF 5		MP DATE						
ELEVATION 1170 Grou			490 /	ongitude if known)	-97.0189	978				
AME HADAW	VAY CONSULTING & I	ENGINEERING	CPERALO	R NO.	22787					
DDRESS	F	PO POX 188								
CITY	CANADIAN	STATE	TX	ZIP	79014			OCATE WE		
COMPLETION TYPE		CASING & CEMEN	T (Attach F	orm 1002C)			1. Jag 8.			
X SINGLE ZONE		TYPE	SIZE	WEIGHT	GRADE	FEET	PSI	SAX	TOP OF CMT	
MULTIPLE ZONE Application Date		CONDUCTOR	20	94	J55	40			surface	
COMMINGLED Application Date		SURFACE	8 5/8	24	J55	292		188	susface	
OCATION EXCEPTION DRDER NO.		INTERMEDIATE					a de la serie			
NCREASED DENSITY DRDER NO.		PRODUCTION	5 1/2	15.5	J55	3350		180	1800	
		LINER					Sugar the	TOTAL	and the	
PACKER @BRAI		PLUG @	TYPE		PLUG @			TOTAL DEPTH	3,350	
PACKER @ BRAI	ND & TYPE A BY PRODUCING FORMATION	PLUG @	TYPE		_PLUG @	TYPE	<del>and a</del> sta			
	CLEVELAND	190300			<u> </u>	1		N	1	
	CLEVELAND				<u></u>			///	onitor	_
PACING & SPACING DRDER NUMBER CLASS: Oil, Gas, Dry, Inj,	688998(40)	)						Re	port to Fra	Focus
Disp, Comm Disp, Svc	Dil					and the second		2		
	2896-2929						The Carlos and the second			
PERFORATED										
CID/VOLUME	none									
	1770 BBL 20# XL GEL							a apa		
RACTURE TREATMENT Fluids/Prop Amounts)	78800# 16/30 <b>5 a</b>	nd			19 					
	Min Gas Allo	wable (165:	:10-17-7)		Gas Purc First Sale	naser/Measurer s Date				
	Oil Allowable 3/20/2019	e (165:10-13-3)	1		T			<u> </u>		
									<u></u>	
DIL-BBL/DAY	40			7111						
DIL-GRAVITY ( API)	40									
GAS-MCF/DAY	50									
AS-OIL RATIO CU FT/BBL	1250				5 5	UBM			AND ST.	
VATER-BBL/DAY	110									
UMPING OR FLOWING	PUMPING							TIT		
ITIAL SHUT-IN PRESSURE	500									
HOKE SIZE						States of the			42 - 144 	
LOW TUBING PRESSURE										
A record of the formations dri to make this report, which wa	lled through, and pertinent remarks prepared by me or under my supe	are presented on the revision and direction, w	vith the data a	clare that I ha and facts state EARLE	ve knowledge o ed herein to be t	f the contents of this i rue, correct, and com	report and am a plete to the be 7/9/2018	st of my know	y my organization wledge and belief. 06.323.9811	
CION A	TURE	1999-1999 (March 1999)		NT OR TYPE	=)		DATE	P. L. Barris	HONE NUMBER	
711 W.							LE@HAD			

PLEASE TYPE OR USE BLACK INK ONLY

FORMATION RECORD

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

drilled through. Show intervals cored or drillstem tested.		
NAMES OF FORMATIONS	ТОР	FOR CO
OREAD	1,707	ITD on file YES NO
PAWHUSKA	2,080	APPROVED DISAPPROVED
AVANT	2386	2)
OSAGE LAYTON	2,569	
CHECKERBOARD	2,858	
CLEVELAND	2,882	
OSWEGO	2,982	-
RED FORK	3,320	1월 17일 - 영상 : 11월 2일 - <u>1</u> 4
		Were open hole logs run? X yes
		Date Last log was run 12
		Was CO <sub>2</sub> encountered? yes X
		Was H <sub>2</sub> S encountered?
		Were unusual drilling circumstances encountered? If yes, briefly explain below
Other remarks:		



If more than three drainholes are proposed, attach a separate sheet indicating the necessary information.

Direction must be stated in degrees azimuth. Please note, the horizontal drainhole and its end point must be located within the boundaries of the lease or spacing unit.

Directional surveys are required for all drainholes and directional wells. 640 Acres

	,			
		Î.		

BOTTOM HOLE LOCATION FOR DIRECTIONAL HOLE

SEC	TWP	RGE	COUN	ΓY		1. A.	
Spot Loca	ition 1/4	1/4	1/4	1/4	Feet From 1/4 Sec Lines	FSL	FWL
Measured	Total Depth	Т	rue Vertical Depth		BHL From Lease, Unit, or Pro	operty Line:	

BRUCE

X yes no

LEASE NAME

1

X\_no

ves

WELL NO.

FOR COMMISSION USE ONLY

2) Reject Codes

12/30/2018 yes X no at what depths? X no at what depths?

BOTTOM HOLE LOCATION FOR HORIZONTAL HOLE: (LATERALS)

LATERA	AL #1						
SEC	TWP	RGE		COUNTY	la 1	Sec.	
Spot Loc				I	Feet From 1/4 Sec Lines	FSL	FWL
D. II. (	1/4	1/4	1/4	1/4		Tatal	
Depth of Deviation			Radius of Turn		Direction	Total Length	
Measure	d Total Depth	alest. State	True Vertical De	pth	BHL From Lease, Unit, or Pr	operty Line:	ł.
LATERA	AL #2						
SEC	TWP	RGE		COUNTY			14
Spot Loc	cation 1/4	1/4	1/4	1/4	Feet From 1/4 Sec Lines	FSL	FWL
Depth of Deviation		9.5	Radius of Turn		Direction	Total Length	
Measure	d Total Depth		True Vertical De	pth	BHL From Lease, Unit, or Pro	operty Line:	
LATERA	AL #3						
SEC	TWP	RGE		COUNTY			
Spot Loc	ation			1	Fact From 1/4 Cas Lines	FSL	FWL
	1/4	1/4	1/4	1/4	Feet From 1/4 Sec Lines	FOL	
Depth of Deviation	n		Radius of Turn		Direction	Total Length	
Measure	d Total Depth	Service Contraction	True Vertical De	oth	PUL From Loaco Linit or Dr	onorty Lino:	

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PROD.				Oil & Gas (	Conservatio	n Division			000	റെറ	0 2040	•	
NO			с	Post ( klahoma City)	Office Box 5 , Oklahoma		000		5E1	PZ 3	<b>3</b> 2019	ļ	
ORIGINAL AMENDED (Reason)				R	ule 165:10-3	3-25		OKLA	HOM CO	IA CÒ MMIS	RPOR SION	ATION	
		HORIZONTAL HOLE	SPUDI	DATE	12/22/	2018	Ĩ			-640 Acre		$-\top$	
SERVICE WELL			DRLG DATE	FINISHED	12/31/	2018			+		╉		
rectional or horizontal, see revers	sec 18 TWP	29N RGE 03E	DATE	OF WELL LETION	3/08/2	2019					┼─┼		
	Bruce	WELL 1		OD DATE	3/01/2	2019					┤┳┤		
/E		30 FWL OF 53		MP DATE			w			┝╼╌┠╌		╾┥╸	1
2 1/4 SW 1/4 SW 1 VATION 1170 Ground	1/4 INE 1/4 1/4 SEC 3	1/4 SEC		ongitude		{					$\rightarrow$		
rick FL TTTO Ground	1160 Latitude (if kn		(if	known)	2278	37.0							
ERATOR Hada	way Consulting & En		OPERATOR	R NO.									
DRESS	F	O Box 188			70044	0400							
Y C	anadian	STATE	TX	ZIP	79014	0100			L	OCATE V	WELL		
MPLETION TYPE		CASING & CEMENT	(Attach F	orm 1002C) WEIGHT	GRADE		FEET		PSI	SAX	( то	POFCMT	
SINGLE ZONE		CONDUCTOR	20	112,0111			40						
Application Date	· · · · · · · · · · · · · · · · · · ·	SURFACE	8 5/8'	24	J-55		295			188	3 S	urface	
Application Date			0 0/0										
CREASED DENSITY		PRODUCTION	5 1/2"	15.5	J-55		3349			180	5	1820	
RDER NO.		LINER			†——								
				L		L	TYPE			TOTAL DEPTH		3,350	
CKER @ BRAND		_PLUG @	TYPE		_PLUG @		TYPE		_				
OMPLETION & TEST DATA B	Y PRODUCING FORMATIO							T		—T			1
RMATION	Cleveland												
ACING & SPACING	40 Ac 88998	+											
	40 AC 000990	<u> </u>		<u>v</u>									1
ASS: Oil, Gas, Dry, Inj, isp, Comm Disp, Svc	Oil												4
	2896' - 2929'												ļ
					-+-			1					]
ERFORATED													-
													_
CID/VOLUME	<u></u>												
	1770 BBL 20#												_
RACTURE TREATMENT	78,800# 16/30												4
			_										
	Min Gas A	l	:10-17-7)		Gas	Purchase	er/Measur	er					_
	•	R			Firs	at Sales Da	ate				<u></u>		
NITIAL TEST DATA	Oil Allowa	ble (165:10-13-3	, 										7
NITIAL TEST DATE	3/3/2019												1
DIL-BBL/DAY	62												1
OIL-GRAVITY ( API)	42		- [] ] ]			Ш			Ш	.[			1
GAS-MCF/DAY	NA	<u> </u>									<u> </u>	<u>,</u> ,	7
GAS-OIL RATIO CU FT/BBL					511	ΚN				II			-
WATER-BBL/DAY	163										┼──	<u> </u>	
PUMPING OR FLOWING	Pump				TITI		Ш		Ш				-1
INITIAL SHUT-IN PRESSURE	100										+	<u> </u>	-1
CHOKE SIZE											┼───		-
FLOW TUBING PRESSURE									ant	om outbo	rized by m	vorganization	
A record of the formations dril	led through, and pertinent rema prepared by me or under my su	rks are presented on the pervision and direction.	vith the da	declare that I ta and facts s	have know	ledge of th h to be true	e contents , correct, a	s of this rep- and comple	on and te to the	e best of n	ny knowled	dge and belie	f.
to make this report which was	1 - 4 4 4 4		Ro	on Brown				3/201	19 40 DAT		-	NE NUMBER	_
to make this report, which was	MANN												· I
to make this report, which was SIGNA 770 E		Oklahoma City	NAME (F	PRINT OR T	YPE) 114		aual	lityengin					

### PLEASE TYPE OR USE BLACK INK ONLY

FORMATION RECORD

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

NAMES OF FORMATIONS	ТОР	FOR COMMISSION USE ONLY
Checkerboard	2,866	
Cleveland	2,890	ITD on file YES NO
Oswego	2997	APPROVED DISAPPROVED 2) Reject Codes
Redfork		
Redioire	3,327	
r r		
		Were open hole logs run? <u>X</u> yesno
		Date Last log was run 12/29/2018
		Was CO <sub>2</sub> encountered?yesno at what depths?
		Were unusual drilling circumstances encountered?yesno If yes, briefly explain belov
Other remarks:		······································
· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·

LEASE NAME

 640 Acres												
			ì									

If more than three drainholes are proposed, attach a separate sheet indicating the necessary information.

Direction must be stated in degrees azimuth. Please note, the horizontal drainhole and its end point must be located within the boundaries of the lease or spacing unit.

Directional surveys are required for all drainholes and directional wells. 640 Acres

010110100									

BOTTOM HOLE LOCATION FOR DIRECTIONAL HOLE

SEC	TWP	RGE	co	DUNTY			
Spot Loca	ition 1/4	1/4	1/4	1/4	Feet From 1/4 Sec Lines	FSL	FWL
Measured	Total Depth	True Ve	rtical Depth	1	BHL From Lease, Unit, or Prope	rty Line:	•

Bruce

1

WELL NO.

#### BOTTOM HOLE LOCATION FOR HORIZONTAL HOLE: (LATERALS)

LATERAL	<i>_</i> #1								
SEC	TWP	RGE		COUNTY					
Spot Locat		<u> </u>	I	L,	Feet From 1/4 Sec Lines	FSL	FWL		
	1/4	1/4	1/4	1/4					
Depth of Deviation		Ra	adius of Turn		Direction	Total Length			
Measured					BHL From Lease, Unit, or Property Line:				
LATERAL	_ #2	L							
SEC	TWP	RGE		COUNTY			,		
Spot Locat	tion		· · · ·	·,	E	FSL	FWL		
	1/4	1/4	1/4	1/4	Feet From 1/4 Sec Lines	FOL	FVVL		
Depth of Deviation		R	adius of Turn		Direction	Total Length			
Measured	Total Depth	Tr	rue Vertical De	pth	BHL From Lease, Unit, or Pro		<u> </u>		
LATERAL		I			<u>I</u>				
SEC	TWP	RGE		COUNTY					
Spot Locat	tion				Feet From 1/4 Sec Lines	FSL	FWL		
L	1/4	1/4	1/4	1/4			L L VVL		
Dopth of		D	adjue of Turn		Direction	Total			

LATERA	AL #3						
SEC	TWP	RGE		COUNTY			
Spot Loo	ation 1/4	1/4	1/4	1/4	Feet From 1/4 Sec Lines	FSL	FWL
Depth of Deviatio	:		lius of Turn		Direction	Total Length	
Measure	ed Total Depth	Tru	e Vertical De	pth	BHL From Lease, Unit, or Pr	operty Line:	