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

API No.: 35049251650001

Drill Type:

Location:

OTC Prod. Unit No.: 049-223301

Well Name: MORGAN 1-19UWH

Completion Report

Drilling Finished Date: February 27, 2018 1st Prod Date: April 23, 2018 Completion Date: April 04, 2018

Spud Date: January 12, 2018

Purchaser/Measurer: WOODFORD EXPRESS

First Sales Date: 04/23/2018

Operator: RIMROCK RESOURCE OPERATING LLC 23802

Derrick Elevation: 0 Ground Elevation: 1112

NE NW NW NW 235 FNL 350 FWL of 1/4 SEC

20 E 5TH ST STE 1300 TULSA, OK 74103-4462

HORIZONTAL HOLE

GARVIN 30 4N 4W

	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		

			C	Casing and Ce	ment				
-	Туре	Size	e Weight	t Grade	F	eet	PSI	SAX	Top of CMT
SU	RFACE	13 3/	8 54.5	J-55	15	519		825	SURFACE
INTEF	RMEDIATE	9 5/8	3 40	P-110	11	069		1285	SURFACE
PRO	DUCTION	5 1/2	2 20	DWC	17.	218		1225	11120
				Liner					
Туре	Size	Weight	Grade	Length	PSI	SAX	Тор	Depth	Bottom Depth
	1		There are	e no Liner reco	rds to displ	ay.	1		1

Total Depth: 17233

Pac	ker	PI	ug
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
Jun 05, 2018	WOODFORD	166	65	5052	30433	605	FLOWING	1100	50/64	400
		Con	pletion and	Test Data b	y Producing F	ormation				
	Formation Name: WOOE	FORD		Code: 31	9WDFD	С	lass: GAS			
	Spacing Orders				Perforated I	ntervals				
Orde	er No Ui	nit Size		From	n	Т	o	-		
661	597	640		1356	D	17	167			
	Acid Volumes				Fracture Tre	atments		7		
	25,000 GALLONS 15% HC	L		188,000 BA	RRELS + 6,117	,000 POUNI	DS SAND			

Formation	Тор
HOGSHOOTER	7798
CHECKERBOARD	8194
GIBSON	8888
HART	9140
PRIMROSE	10244
CUNNINGHAM	10619
CANEY	13096
MAYES	13164
SYCAMORE	13216
WOODFORD	13510

Were open hole logs run? Yes

Date last log run: February 05, 2016

Were unusual drilling circumstances encountered? No Explanation:

Other Remarks

OCC - THIS WELL'S COMPLETION INTERVAL IS WITHIN THE PARAMETERS ALLOWED BY THE SPACING ORDER 661597.

Lateral Holes

Sec: 19 TWP: 4N RGE: 4W County: GARVIN

SE SW NW NW

1610 FNL 404 FWL of 1/4 SEC

Depth of Deviation: 12953 Radius of Turn: 750 Direction: 360 Total Length: 4280

Measured Total Depth: 17233 True Vertical Depth: 12323 End Pt. Location From Release, Unit or Property Line: 404

FOR COMMISSION USE ONLY

Status: Accepted

September 14, 2018

2 of 2

1140483

MULTIPLE ZONE CONDUCTOR Source Application Date CONDUCTOR SUPPACE 13 3/8 54.5# J-55 1,519' 825 SU SUPPACE 13 3/8 54.5# J-55 1,519' 825 SU NTERMEDUATE 9 5/8 40# P-110 11,069' 1285 SU NORCRACED DENSITY DEDERING 5 1/2 20# DWC 17,218' 1225 11,1' NERRO X TYPE PLUG @ TYPE PLUG @ TYPE TYPE PACKER @ BRAND & TYPE PLUG @ TYPE PLUG @ TYPE TYPE PACKER @ BRAND & TYPE PLUG @ TYPE PLUG @ TYPE TYPE PACKER @ BRAND & TYPE PLUG @ TYPE PLUG @ TYPE TYPE PACKER @ BRAND & TYPE PLUG @ TYPE PLUG @ TYPE TYPE COMPLETION & TEST DATA BY PRODUCING FORMATION Woodford TYPE TYPE TYPE TYPE	049-251657 ROD. 049-223301 DRIGINAL AMENDED (Reason) OF DRILLING OPERATIO SERVICE WELL tional or horizontal, see re TY Garvir 1/4 NW TION Ground FL Ground	AVERGENTIONAL HOLE AVERSE for bottom hole location. A SEC 30 TWP Morgan 1/4 NW 1/4 FN OF 2 1/4 NW 1/4 FN OF 2 1/4 Latitude (if known) 0 Ck Resource Operation	inal 1002A r reentry.]HORIZONTAL HOLE 2 4N RGE 4W WELL NO	SPUD I DRLG I DATE DATE DATE COMPI JH 1st PR(0 RECON Lo (f OTC/OCC OPERATOR	Oil & Gas Post Dklahoma Cil F COMP DATE FINISHED OF WELL LETION OD DATE MP DATE mgitude known)	DRPORATION (Conservation I Office Box 520 by Oklahoma 7 Rule 165:10-3-2: LETION REPO 2/27/20 4/4/201 4/23/20 23802	Division 00 3152-2000 5 DRT 18 18 18 W		AUG 0 COMMIS 640 Acres	CONSTRUCTION
COMPLETION TYPE CASING & CEMENT (Form 1002C must be attached) LUCATE WELL MULTIPLE ZONE Application Date TYPE Size WelchT GRADE FEET PSI Six Tor o Application Date Application Date Sixe X Tor O Sixe X Tor O Application Date Application Date Sixe X Tor O Sixe X Tor O Application Date Application Date Sixe X Tor O Sixe X Tor O Application Date Application Date Sixe X Sixe X Sixe X Tor X Tor X Application Date Sixe X Sixe X Sixe X Tor X Tixe X Tor X Tixe X COMULTION A Sixe X BRAND & TYPE PLUG @ TYPE PLUG @ TYPE TYPE Tixe X		Tulsa	STATE	OK	ZIP	74103	3		0000	
X SINGLE ZONE PEET PSI SAX TOP 0 MULTIPLE ZONE COMMUNCTOR SURFACE 13 3/8 54.5# J-55 1,519' 825 SU COMMUNCED SURFACE 13 3/8 54.5# J-55 1,519' 825 SU COMMUNCED SURFACE 13 3/8 54.5# J-55 1,519' 825 SU NOREARED DENSITY DENSITY NETEMEDIATE 9 5/8 40# P-110 11,069' 1225 11,1' RECEPTION ORDER BRAND & TYPE PUUG @ TYPE PUUG @ TYPE PUUG @ TYPE DEPTH 17.7 ORDER NUBBER #060ford 3/4 40 a.c. T/7.6 T/7.6 DEPTH 17.7 DEPC CONTRIDUE, Seve 13,560'- 17,167' PERFORATED Intervals Intervals <td>LETION TYPE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>L</td> <td>LOCATE WE</td> <td>LL</td>	LETION TYPE							L	LOCATE WE	LL
Application Date ComMunity Communication Communica						· · · · ·	FEET	PSI	SAX	TOP OF CMT
Description Date Subtracts 13 3/8 54.5% J-55 1,1063/ Subtracts Subtr	Application Date		CONDUCTOR							
Decemponol or Decemponol International and the state of the second and t	Application Date		SURFACE	13 3/8	54.5#	J-55	1,519'		825	Surf.
ORDER NO. PRODUCTION 5 1/2 20# DWC 17,213 122 11,1 LINER LINER INTRAL	PTION ORDER		INTERMEDIATE	9 5/8	40#	P-110			1285	Surf.
ACKER @BRAND & TYPEPLUG @TYPEPLUG @TYPERUG @TTYPERUG @TTYRERUG @TTYRE				5 1/2	20#	DWC	17,218'		1225	11,120'
PACKER @BRAND & TYPE PLUG @			LINER						TOTAL	
COMPLETION & TEST DATA BY PRODUCING FORMATION 3 (WDF) FORMATION Woodford Response FORMATION Woodford Formation FORMATION Woodford Formation SPACING & SPACING #661597 \ 640 ac. Formation CLASS: OIL (6as Dry, Inj. Gas Gas Diep, Comm Diep, Svc 13,560' - 17,167' Image: Comm Diep, Svc Image: Comm Diep, Svc ACID/VOLUME 25,000 gals 15% HCL Image: Commonship Image: Commonship ACID/VOLUME 25,000 gals 15% HCL Image: Commonship Image: Commonship FRACTURE TREATMENT (161:10-17-7) Gas Purchaser/Measurer Woodford Exprint Fried Sallowable (165:10-17-7) Gas Purchaser/Measurer Woodford Exprint INITIAL TEST DATA Or OIL Allowable (165:10-17-7) Gas Purchaser/Measurer Woodford Exprint INITIAL TEST DATA O// Allowable (165:10-17-7) Gas Purchaser/Measurer Woodford Exprint Gold Allowable (165:10-13-3) Image: Commonship										17,233'
FORMATION Woodford Report SPACING SAPACING ORAGES OF (FU), IDI, Disp, Comm Disp, Svic Gas Image: Comm Disp, Svic			-	-		PLUG @	TYPE			
SPACING & SPACING ORDER NUMERAL Dep. CommBig. Sv #661597 \ 640 ac. #661597 \ 640 ac. #661597 \ 640 ac. CLASS: DI, Gas, Dry, Inj, Dep. CommBig. Sv Gas									R-	ezostel
Disp. Comm Disp. Sic Gas Image: Comm Disp. Sic Gas Image: Comm Disp. Sic Comm Disp										
PERFORATED INTERVALS ACID/VOLUME 25,000 gals 15% HCL ACID/VOLUME 25,000 gals 15% HCL FRACTURE TREATMENT FRACTURE TREATMENT FRACTURE TREATMENT FLUXTURE TREATMENT FL		#661597 \ 640 ac.							to	Frac Frac
INTERVALS ACID/VOLUME 25,000 gals 15% HCL 25,000 gals 15% HCL 188,000 bbls + 6,117,000# of sand. 6,117,000	R NUMBER S: Oil, Gas, Dry, Inj,								to	Frac For
188,000 bbls + 188,000 bbls + 6,117,000# of sand. 6,117,000# of sand. INITIAL TEST DATA Init Gas Allowable (165:10-17-7) OR OR OI Allowable (165:10-13-3) INITIAL TEST DATE 6/5/2018 OIL-BBL/DAY 166 OIL-GRAVITY (API) 65.0 Gas-OIL RATIO CU FT/BBL 30,433:1 WATER-BBL/DAY 605 PUMPING OR FLOWING Flowing INITIAL SHUT-IN PRESSURE 1100# CHOKE SIZE 50/64" FLOW TUBING PRESSURE 400# Arecord 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 orgot to make this report, and omplete to the best of my knowledge age of the contents of this report and am authorized by my orgot to make this report, and omplete to the best of my knowledge age of the contents of this report and am authorized by my orgot to make this report, and omplete to the best of my knowledge age of the contents of this report and am authorized by my orgot to make this report, and omplete to the best of my knowledge age of the contents of this report and am authorized by my orgot to make this report, and complete to the best of my knowledge age of the contents of this report and am authorized by my orgot to make this report. And there in the bat and facts stated herein to be the contents of this report and am authorized by my orgot to make this report.	R NUMBER S: Oil, Gas, Dry, Inj, Comm Disp, Svc	Gas							to	Frac Foe
188,000 bbls + 188,000 bbls + Image: constraint of the second secon	R NUMBER 3: Oil, Gas, Dry, Inj, Comm Disp, Svc DRATED	Gas				10 10				Frac Foe
FRACTURE TREATMENT 6,117,000# of sand. Image: constraint of the formations dilled 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 orga to make with 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 besid of my knowledge of the contents of this report and am authorized by my orga to make with 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 besid of my knowledge of the contents of this report and am authorized by my orga to make with report.	R NUMBER 3: Oil, Gas, Dry, Inj, Comm Disp, Svc DRATED	Gas							-+0	Frac Foe
(Fluids/Prop Amounts) 6,117,000# of sand. Min Gas Allowable OR (166:10-17-7) OR Gas Purchaser/Measurer First Sales Date Woodford Expre 4/23/2018 INITIAL TEST DATA 0il Allowable (165:10-13-3) (165:10-13-3) Gas Purchaser/Measurer First Sales Date Woodford Expre 4/23/2018 INITIAL TEST DATA 6/5/2018 01-86L/DAY 166 01-00000000000000000000000000000000000	R NUMBER S: Oil, Gas, Dry, Inj, Comm Disp, Svc DRATED VALS	Gas 13,560' - 17,167' 25,000 gals 15% HCL								Frac Foe
OR First Sales Date 4/23/2018 INITIAL TEST DATA Oil Allowable (165:10-13-3) INITIAL TEST DATE 6/5/2018	R NUMBER S: Oii, Gas, Dry, Inj, Comm Disp, Svc DRATED VALS /OLUME	Gas 13,560' - 17,167' 25,000 gals 15% HCL 188,000 bbls +								Frac Foe
OR First Sales Date 4/23/2018 INITIAL TEST DATA Oil Allowable (165:10-13-3) INITIAL TEST DATE 6/5/2018 OIL-BBL/DAY 166 OIL-GRAVITY (API) 65.0 GAS-MCF/DAY 5052 GAS-OLL RATIO CU FT/BBL 30,433:1 WATER-BBL/DAY 605 PUMPING OR FLOWING Flowing INITIAL SHUT-IN PRESSURE 1100# CHOKE SIZE 50/64" FLOW TUBING PRESSURE 400# A record of the formations drilled through, and pertiment remarks are presented on the reverse. I declare that I have knowledge of the contents of this report and am authorized by my orget to make jith's 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 are to make jith's 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 are to make jith's 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 are to make jith's 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 t	R NUMBER S: Oil, Gas, Dry, Inj, Comm Disp, Svc DRATED VALS /OLUME TURE TREATMENT	Gas 13,560' - 17,167' 25,000 gals 15% HCL 188,000 bbls +								Frac Foe
INITIAL TEST DATA Oil Allowable (165:10-13-3) INITIAL TEST DATE 6/5/2018 OIL-BBL/DAY 166 OIL-BBL/DAY 166 OIL-GRAVITY (API) 65.0 GAS-MCF/DAY 5052	R NUMBER S: Oil, Gas, Dry, Inj, Comm Disp, Svc DRATED VALS /OLUME TURE TREATMENT	Gas 13,560' - 17,167' 25,000 gals 15% HCL 188,000 bbls + 6,117,000# of sand.								Frac Foe
OIL-BBL/DAY 166 OIL-GRAVITY (API) 65.0 GAS-MCF/DAY 5052 GAS-OIL RATIO CU FT/BBL 30,433:1 WATER-BBL/DAY 605 PUMPING OR FLOWING Flowing INITIAL SHUT-IN PRESSURE 1100# CHOKE SIZE 50/64" FLOW TUBING PRESSURE 400# 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 orgation and direction, with the data and facts stated herein to be true, correct, and complete to the best of my knowledge are 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 are 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 are to make this report. WATTANAN Paulette Kadow 8/2/2018 918-301-4	R NUMBER S: Oil, Gas, Dry, Inj, Comm Disp, Svc DRATED VALS /OLUME TURE TREATMENT	Gas 13,560' - 17,167' 25,000 gals 15% HCL 188,000 bbls + 6,117,000# of sand. Min Gas Allo	wable (165:1	0-17-7)					Woodfor	d Express
OIL-GRAVITY (API) 65.0 GAS-MCF/DAY 5052 GAS-OIL RATIO CU FT/BBL 30,433:1 WATER-BBL/DAY 605 PUMPING OR FLOWING Flowing INITIAL SHUT-IN PRESSURE 1100# CHOKE SIZE 50/64" FLOW TUBING PRESSURE 400# 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 orgation and direction, with the data and facts stated herein to be true, correct, and complete to the best of my knowledge are paulette Kadow 8/2/2018 918-301-	R NUMBER S: Oii, Gas, Dry, Inj, Comm Disp, Svc DRATED VALS /OLUME /URE TREATMENT /Prop Amounts)	Gas 13,560' - 17,167' 25,000 gals 15% HCL 188,000 bbls + 6,117,000# of sand. Min Gas Allo OR Oil Allowable	(0-17-7)					Woodfor	d Express
GAS-MCF/DAY 5052 GAS-OIL RATIO CU FT/BBL 30,433:1 WATER-BBL/DAY 605 PUMPING OR FLOWING Flowing INITIAL SHUT-IN PRESSURE 1100# CHOKE SIZE 50/64" FLOW TUBING PRESSURE 400# 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 orgation and direction, with the data and facts stated herein to be true, correct, and complete to the best of my knowledge are 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 are to make this report. Max MAM	R NUMBER 3: Oil, Gas, Dry, Inj, Comm Disp, Svc DRATED VALS /OLUME /OLUME TURE TREATMENT /Prop Amounts)	Gas 13,560' - 17,167' 25,000 gals 15% HCL 188,000 bbls + 6,117,000# of sand. Min Gas Allo OR Oil Allowable 6/5/2018	(0-17-7)					Woodfor	d Express
GAS-OIL RATIO CU FT/BBL 30,433:1 WATER-BBL/DAY 605 PUMPING OR FLOWING Flowing INITIAL SHUT-IN PRESSURE 1100# CHOKE SIZE 50/64" FLOW TUBING PRESSURE 400# 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 orgation and direction, with the data and facts stated herein to be true, correct, and complete to the best of my knowledge are paulette Kadow Builtette Kadow 8/2/2018 918-301-4	R NUMBER S: Oil, Gas, Dry, Inj, Comm Disp, Svc DRATED VALS /OLUME /URE TREATMENT /Prop Amounts) LI TEST DATA L TEST DATE	Gas 13,560' - 17,167' 25,000 gals 15% HCL 188,000 bbls + 6,117,000# of sand. Min Gas Allo OR Oil Allowable 6/5/2018 166	(0-17-7)					Woodfor	d Express
WATER-BBL/DAY 605 PUMPING OR FLOWING Flowing INITIAL SHUT-IN PRESSURE 1100# CHOKE SIZE 50/64" FLOW TUBING PRESSURE 400# 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 orgation 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 are 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 are to make this report. WATTER ADAM Paulette Kadow 8/2/2018 918-301-400	R NUMBER 3: Oil, Gas, Dry, Inj, Comm Disp, Svc DRATED VALS /OLUME /OLUME /URE TREATMENT /Prop Amounts) LI TEST DATA L TEST DATE BL/DAY	Gas 13,560' - 17,167' 25,000 gals 15% HCL 188,000 bbls + 6,117,000# of sand. Min Gas Allo OR Oil Allowable 6/5/2018 166 65.0	(First Sale	s Date		Woodfor	d Express
PUMPING OR FLOWING Flowing INITIAL SHUT-IN PRESSURE 1100# CHOKE SIZE 50/64" FLOW TUBING PRESSURE 400# 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 orgation and direction, with the data and facts stated herein to be true, correct, and complete to the best of my knowledge are paulette Kadow Build through are presented on the reverse. Paulette Kadow	R NUMBER S: Oil, Gas, Dry, Inj, Comm Disp, Svc DRATED VALS /OLUME //OL	Gas 13,560' - 17,167' 25,000 gals 15% HCL 188,000 bbls + 6,117,000# of sand. Min Gas Allo OR Oil Allowable 6/5/2018 166 65.0	(First Sale	s Date		Woodfor	d Express
PUMPING OR FLOWING Flowing INITIAL SHUT-IN PRESSURE 1100# CHOKE SIZE 50/64" FLOW TUBING PRESSURE 400# 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 orgation and direction, with the data and facts stated herein to be true, correct, and complete to the best of my knowledge are paulette Kadow Build through are presented on the reverse. Paulette Kadow	R NUMBER S: Oil, Gas, Dry, Inj, Comm Disp, Svo DRATED VALS /OLUME /URE TREATMENT /Prop Amounts) L TEST DATE SL/DAY RAVITY (API) ICF/DAY	Gas 13,560' - 17,167' 25,000 gals 15% HCL 188,000 bbls + 6,117,000# of sand. Min Gas Allo OR Oil Allowable 6/5/2018 166 65.0 5052	(First Sale	s Date		Woodfor	d Express
CHOKE SIZE 50/64" FLOW TUBING PRESSURE 400# 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 orgate 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 are to make this report. Paulette Kadow 8/2/2018 918-301-4	R NUMBER S: Oil, Gas, Dry, Inj, Comm Disp, Svc DRATED VALS /OLUME /OLUM	Gas 13,560' - 17,167' 25,000 gals 15% HCL 188,000 bbls + 6,117,000# of sand. Min Gas Allo OR Oil Allowable 6/5/2018 166 65.0 5052 30,433:1	(First Sale	s Date		Woodfor	d Express
FLOW TUBING PRESSURE 400# 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 orgation and direction, with the data and facts stated herein to be true, correct, and complete to the best of my knowledge are presented on the reverse. I declare that I have knowledge of the contents of this report and am authorized by my orgation and direction, with the data and facts stated herein to be true, correct, and complete to the best of my knowledge are presented on the reverse. 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 orgation and direction, with the data and facts stated herein to be true, correct, and complete to the best of my knowledge are parted by my organized by	R NUMBER S: Oil, Gas, Dry, Inj, Comm Disp, Svc DRATED VALS /OLUME ///OLUME //OL	Gas 13,560' - 17,167' 25,000 gals 15% HCL 188,000 bbls + 6,117,000# of sand. Min Gas Allo OR Oil Allowable 6/5/2018 166 65.0 5052 30,433:1 605	(First Sale	s Date		Woodfor	d Express
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 orgate 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 are presented on the reverse. A declare that I have knowledge of the contents of this report and am authorized by my orgate 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 are presented on the reverse. A declare that I have knowledge of the contents of this report and am authorized by my orgate are presented on the reverse. The data and facts stated herein to be true, correct, and complete to the best of my knowledge are presented on the reverse. A data and facts stated herein to be true, correct, and complete to the best of my knowledge are presented on the reverse. A data and facts stated herein to be true, correct, and complete to the best of my knowledge are presented on the reverse. A data and facts stated herein to be true, correct, and complete to the best of my knowledge are presented on the reverse. A data and facts stated herein to be true, correct, and complete to the best of my knowledge are presented on the reverse. A data and facts stated herein to be true, correct, and complete to the best of my knowledge are presented on the reverse. A data and facts stated herein to be true, correct, and complete to the best of my knowledge are presented on the reverse. A data and facts stated herein to be true, correct, and complete to the best of my knowledge are presented on the reverse. A data and facts stated herein to be true, correct, and complete to the best of my knowledge are presented on the reverse. A data and facts stated herein to be true, correct, and complete to the best of my knowledge are pr	R NUMBER S: Oil, Gas, Dry, Inj, Comm Disp, Svc DRATED VALS /OLUME /OLU	Gas 13,560' - 17,167' 25,000 gals 15% HCL 188,000 bbls + 6,117,000# of sand. Min Gas Allo OR Oil Allowable 6/5/2018 166 65.0 5052 30,433:1 605 Flowing	(First Sale	s Date		Woodfor	d Express
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 a state of the best of my knowledge and the state of the best of the	R NUMBER S: Oil, Gas, Dry, Inj, Comm Disp, Svc DRATED VALS /OLUME //OLUME	Gas 13,560' - 17,167' 25,000 gals 15% HCL 188,000 bbls + 6,117,000# of sand. Min Gas Allo OR OII Allowable 6/5/2018 166 65.0 5052 30,433:1 605 Flowing 1100#	(First Sale	s Date		Woodfor	d Express
NICHIATURE	R NUMBER S: Oil, Gas, Dry, Inj, Comm Disp, Svc DRATED VALS /OLUME //URE TREATMENT /Prop Amounts) L TEST DATA L TEST DATA L TEST DATE SL/DAY RAVITY (API) MCF/DAY DIL RATIO CU FT/BBL R-BBL/DAY ING OR FLOWING L SHUT-IN PRESSURE E SIZE	Gas 13,560' - 17,167' 25,000 gals 15% HCL 188,000 bbls + 6,117,000# of sand. Min Gas Allo OR Oil Allowable 6/5/2018 166 65.0 5052 30,433:1 605 Flowing 1100# 50/64''	(First Sale	s Date		Woodfor	d Express
	R NUMBER S: Oil, Gas, Dry, Inj, Comm Disp, Svc DRATED VALS /OLUME /OLUME /URE TREATMENT /Prop Amounts) L TEST DATA L TEST DATA L TEST DATE SL/DAY NG CR FLOWING L SHUT-IN PRESSURE E SIZE TUBING PRESSURE ord of the formations drille of the formations drille of the formations drille	Gas 13,560' - 17,167' 25,000 gals 15% HCL 188,000 bbls + 6,117,000# of sand. Min Gas Allo OR Oil Allowable 6/5/2018 166 65.0 5052 30,433:1 605 Flowing 1100# 50/64'' 400# d through, and pertinent remarks pepared by me or under my super WWW	s are presented on the n ervision and direction, w	everse. I dee ith the data a Paulette	clare that I hand facts state Kadow	First Sale	s Date	this report and an complete to the b	Woodfor 4/23	d Express /2018
20 East 5th Street, Suite 1300 Tulsa OK 74103 pkadow@rimrockresource.com ADDRESS CITY STATE ZIP EMAIL ADDRESS	R NUMBER S: Oil, Gas, Dry, Inj, Comm Disp, Svc DRATED VALS /OLUME /OLUME //OL	Gas 13,560' - 17,167' 25,000 gals 15% HCL 188,000 bbls + 6,117,000# of sand. Min Gas Allo OR Oil Allowable 6/5/2018 166 65.0 5052 30,433:1 605 Flowing 1100# 50/64'' 400# d through, and pertinent remarks operared by me or under my super JRE	s are presented on the nervision and direction, w	everse. I dea ith the data a Paulette AME (PRIN	clare that I hand facts stat Kadow T OR TYPE	First Sale	s Date	this report and an complete to the b 8/2/2018 DATE	Woodfor 4/23	d Express /2018 /2018

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	TOP
Hogshooter	7,798'
Checkerboard	8,194'
Gibson	8,888'
Hart	9,140'
Primrose	10,244'
Cunningham	10,619
Caney	13,096'
Mayes	13,164
Sycamore	13,216
Woodford	13,510

LEASE NAME		Morgan		WELL NO.	1-19UWH
		FOF	R COMMISSION U	SE ONLY	
ITD on file	YES	NO			
APPROVED	DISAPPR	OVED	2) Reject Codes		
					te constant in spin-state and a barrant
Were open hole	logs run?	X_yes	no		
Date Last log w	as run		2/5/2018		
Nas CO ₂ enco	untered?	yes	X no at what	t depths?	
			X	t dontho?	
Was H ₂ S encou	ntered?	yes	X no at what		

Other remarks:

	 640 /	Acres		
٩				

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

 0107	10163	

BOTTOM HOLE LOCATION FOR DIRECTIONAL HOLE

SEC	TWP	RGE	COUN	ΓY			
Spot Locat	ion 1/4	1/4	1/4	1/4	Feet From 1/4 Sec Lines	FSL	FWL
Measured	Total Depth	True	Vertical Depth		BHL From Lease, Unit, or Pro	operty Line:	

BOTTOM HOLE LOCATION FOR HORIZONTAL HOLE: (LATERALS)

^{SEC} 19	TWP	4N	RGE	4W	COL	UNTY		Garvin	1		
Spot Locat	ion 1/4 <i>\$</i>	W	1/4			NW 1/4	Feet From 1/4 Sec Lines	FNL	1610'	FWL	404'
Depth of Deviation		2,953'		Radius of Tu	um	750	Direction 360-185	 Total Lengtl 	h	4,280)'
Measured 7	Total Dept	h		True Vertica	al Depth		BHL From Lease, Unit, or F	Property Line	:		
	17,23	3'		1	2,323	5'		404	!		
	#2 TWP		RGE		COL	UNTY					
LATERAL SEC	TWP		RGE		COL	UNTY				1	
SEC	TWP		RGE 1/4		COU	UNTY 1/4	Feet From 1/4 Sec Lines	FSL		FWL	
	TWP			Radius of Tu	1/4		Feet From 1/4 Sec Lines Direction	FSL Total Lengti	1	FWL	

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