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

Completion Report Spud Date: October 09, 2018

OTC Prod. Unit No.: 151-224682 Drilling Finished Date: October 27, 2018

1st Prod Date: November 30, 2018

Completion Date: November 18, 2018

Drill Type: HORIZONTAL HOLE

API No.: 35151245450000

Min Gas Allowable: Yes

Well Name: APOLLO 7-25-16 1H Purchaser/Measurer: CHESAPEAKE OPERATING

WOODS 18 25N 16W First Sales Date: 11/30/2018 Location:

NE NW NW NW 258 FNL 377 FWL of 1/4 SEC

Derrick Elevation: 1655 Ground Elevation: 1630

Operator: CHESAPEAKE OPERATING LLC 17441

PO BOX 18496

6100 N WESTERN AVE

OKLAHOMA CITY, OK 73154-0496

	Completion Type
Х	Single Zone
	Multiple Zone
	Commingled

Location Exception
Order No
689290

Increased Density
Order No
682518

Casing and Cement									
Туре	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT		
SURFACE	9 5/8	36	J-55	1484		725	SURFACE		
PRODUCTION	7	29	P-110EC	6581		240	4126		

	Liner									
Туре	Type Size Weight Grade				PSI	SAX	Top Depth	Bottom Depth		
LINER	4 1/2	13.50	P-110	4527	0	455	6231	10758		

Total Depth: 10761

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
Jan 05, 2019	CHESTER	38	40.5	2704	71158	243	FLOWING	1243	64/64	91

March 12, 2019 1 of 2

Completion and Test Data by Producing Formation

Formation Name: CHESTER

Code: 354CSTR

Class: GAS

Spacing Orders							
Unit Size							
640							

Perforated Intervals						
From	То					
6433	10684					

Acid Volumes
42,500 GALLONS ACID

Fracture Treatments
70,540 BARRELS FLUIDS, 3,343,994 POUNDS
PROPPANT

Formation	Тор
CHESTER	6335

Were open hole logs run? No Date last log run:

Were unusual drilling circumstances encountered? No Explanation:

Other Remarks

There are no Other Remarks.

Lateral Holes

Sec: 7 TWP: 25N RGE: 16W County: WOODS

NE SW NW NW

789 FNL 385 FWL of 1/4 SEC

Depth of Deviation: 5516 Radius of Turn: 557 Direction: 360 Total Length: 4426

Measured Total Depth: 10761 True Vertical Depth: 6073 End Pt. Location From Release, Unit or Property Line: 385

FOR COMMISSION USE ONLY

1141958

Status: Accepted

March 12, 2019 2 of 2

API NO. 151-24545 OTC PROD. UNIT NO. 151-224682 X ORIGINAL AMENDED Reason Amended TYPE OF DRILLING OPERATIO STRAIGHT HOLE SERVICE WELL If directional, see re	Attach copy of original 1002A if recomp ON DIRECTIONAL HOLE Everse for bottom hole location.	letion or reentry. ZONTAL HOLE	Oklahor	& Gas Conserv Post Office Bi ma City, Oklah Rule 165:1 OMPLETION 10/9	ration Division ox 52000 oma 73152-20 0-3-25 I REPORT /2018	000	JAN 2 Oklahoma Commis	9 2019 orporation	Form 1002A Rev. 2009
COUNTY WOO			COMPLETION	11/18	3/2018				
SHL NE 1/4 NW 1/4 NW ELEVATION	Dollo 7-25-16 WELL NO FNL FWL VI VI VI VI VI VI VI V	1H of sec 377	1ST PROD DATE RECOMP DATE Longitude	11/30	0/2018				E
OPERATOR	ound 1,630		(if Known)			-			
NAME CHESA	PEAKE OPERATING, L.L.C). o	TC/OCC OPERATOR	R NO.	17441				
ADDRESS P.O. BC	X 18496								
CITY OKLAH	OMA CITY	STATE (OK ZIP	73	154	1.			
						1	LOCA	TE WELL	
COMPLETION TYPE		CASING & CEMEN	NT (Form 1002C mu	st be attached	d)	T			
X SINGLE ZONE MULTIPLE ZONE		TYPE	SIZE	WEIGHT	GRADE	FEET	PSI	SAX	ТОР
Application Date COMMINGLED		CONDUCTOR							
Application Date		SURFACE	9-5/8"	36#	J-55	1,484	4	725	Surface
LOCATION EXCEPTION ORDER NO.	689290	INTERMEDIATE	≣						
INCREASED DENSITY ORDER NO.	682518	PRODUCTION	7"	29#	P-110EC	6,58	1	240	4,126
ONDER NO.		LINER	4-1/2"	13.50#		6,231-10		455	6,231
PACKER @ BRAN	ND & TYPE PL	UG @	TYPE	PLUG @		TYPE	·	AL DEPTH	10,761
COMPLETION & TEST DATA B	BY PRODUCING FORMATION	.UG @ <i>CSTR</i>	TYPE	PLUG @		TYPE			
FORMATION SPACING & SPACING ORDER NUMBER	Chester 640 63869			, , , , , , , , , , , , , , , , , , ,				Kepo	Ted to
CLASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc	Gas								
PERFORATED INTERVALS	6,433 - 10,684								
ACID/VOLUME FRACTURE TREATMEMT (Fluids/Prop Amounts)	42,500 gals acid 70,540 bbls fluids 3,343,994# proppant								
INITIAL TEST DATA	Minimum Gas Allowable OR Oil Allowable	(165:10-17-7 (165:10-13-3)	7)		Purchaser/Mea	asurer	Chesar	11/30/20	rating, L.L.C.
INITIAL TEST DATE	1/5/2019								
OIL-BBL/DAY	38								
OIL-GRAVITY (API)	40.5			ппп	111111				
GAS-MCF/DAY	2,704	1							
GAS-OIL RATIO CU FT/BBL	71,158		AC CI	IIDM		Enl		-	
WATER-BBL/DAY	243 Flowing		as si	UDIY		LN I			
PUMPING OR FLOWING INITIAL SHUT-IN PRESSURE	Flowing 1243.4							-	
CHOKE SIZE	64/64					ЩЩ	<u> </u>		
FLOW TUBING PRESSURE	91								
report, which was prepared by m		with the data and facts ANITA COOPER NA	stated herein to be tr R - REGULAT ME (PRINT OR TYP	rue, correct, ar ORY SPE E)	CIALIST	the best of my	knowledge and be /2019 DATE	lief. 405-8	to make this 348-8000 NUMBER
P.O. BOX 18496	OKLAHOMA CIT	Y OK		94	juanita.c	cooper@	chk.com ADDRESS		

PLEASE TYPE OR USE BLACK INK ONLY FORMATION RECORD

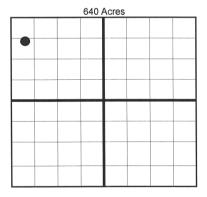
Give formation names and tops, if available, or descriptions and thickness of formations	LEASE NAME	Apollo 7-25-16	WELL NO. 1H
Irilled through. Show intervals cored or drillstem tested.			

NAMES OF FORMATIONS	TOP
Chester	6,335

		FOR	R COMMISSION USE ONLY
ITD on file APPROVED]YES DISAPP	NO ROVED	2) Reject Codes

Were open hole logs run?	_yes	Х	no	
Date Last log was run	N/A			
Was CO ₂ encountered?	yes	Х	no	at what depths?
Was H ₂ S encountered?	yes	Х	no	at what depths?
Were unusual drilling circumstances If yes, briefly explain.	encount	ered	?	yes _X_no

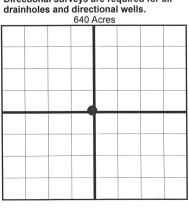
ſ	Other remarks:					
١	-				 	
l						and a contract of the contract
١		 	 	 9		
l		 	 			



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



|--|

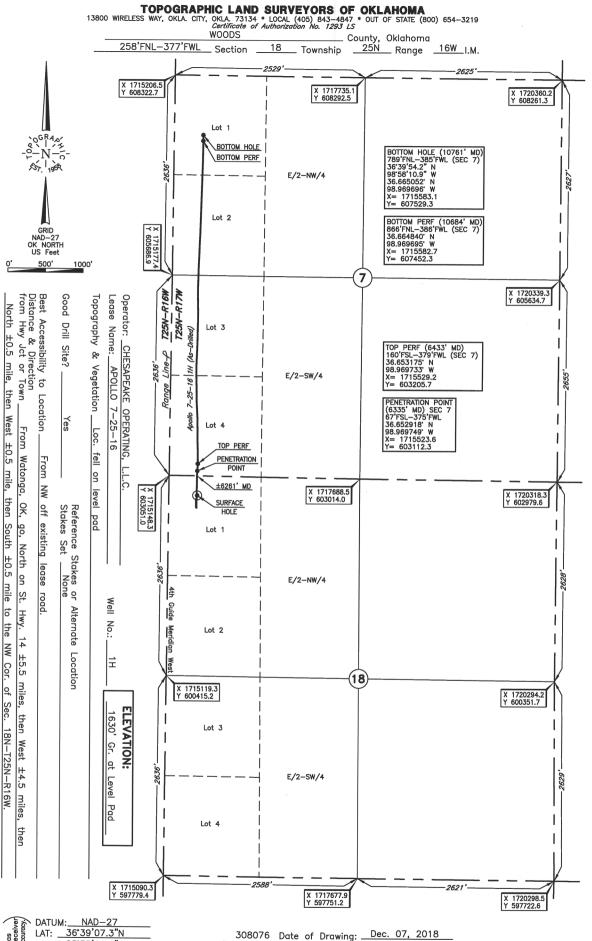
Spot Location 1/4	1/4	1/4		1/4	Feet From 1/4 Sec Lines	FSL	FWL
Measured Total De	epth	True Vertical De	pth		BHL From Lease, Unit, or F	roperty Line:	

BOTTOM HOLE LOCATION FOR HORIZONTAL HOLE: (LATERALS) LATERAL #1

LAILIVAL #1									
SEC 7	TWP 25N	RGE 16W	COUNTY	Woods					
Spot Location NE 1/4	SW 1/4	NW 1/4	NW 1/4	Feet From 1/4 Sec Lines		FWL 385			
Depth of Deviation	5,516	Radius of Turn	557	Direction 360-8	Total Length	4,426			
Measured Tota	l Depth	True Vertical De	pth	BHL From Lease, Unit, or F	Property Line:				
10.761 6.073			385						

SEC	TWP	RGE	COUNTY			
Spot Location 1/4	1/4	1/4	1/4	Feet From 1/4 Sec Lines	FSL	FWL
Depth of	.,,	Radius of Turn		Direction	Total Length	
Deviation				DIU Francisco Hait and	Dranomhi Lino:	
Measured Tota	l Depth	True Vertical De	eptn	BHL From Lease, Unit, or I	Toperty Line.	

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



DATUM: NAD-27

STORM NAME OF THE PARTY NAME OF T

308076 Date of Drawing: <u>Dec. 07, 2018</u> Invoice # <u>293989</u> Date Staked: <u>June 11, 2018</u>

FINAL AS-DRILLED PLAT

AS-DRILLED INFORMATION FURNISHED BY CHESAPEAKE OPERATING, L.L.C.

NO. 151-24545 OTC PROD. UNIT NO. 151-224682	Attach copy of original 1002A if recom	2/42		Gas Conserv Post Office Bo	ation Division		JAN	29	VED 2019	Form 1002A Rev. 2009
X ORIGINAL AMENDED Reason Amended	A: 120288	S		Rule 165:10	0-3-25	500	Oklahon Go	na Coi mmiss	rporation sion	1016EZ
TYPE OF DRILLING OPERATION		s	SPUD DATE	10/9	/2018	1 .			. 46	
STRAIGHT HOLE SERVICE WELL		RIZONTAL HOLE	RLG FINISHED			10		640 A	Acres	
	reverse for bottom hole location.		DATE	10/2/	7/2018					
COUNTY Woo		DIN KGE 16VV C	OATE OF WELL COMPLETION	11/18	3/2018					
EASE IAME AI	pollo 7-25-16WEI	411 14	ST PROD DATE	11/30	0/2018					
SHL		. OF	DECOMP DATE							
NE 1/4 NW 1/4 NW		SEC 3//	RECOMP DATE			w				E
4 0 = =	round 1,630 Latitude (if Known		ongitude if Known)							
OPERATOR CHESA	PEAKE OPERATING, L.L.		OCC OPERATOR	NO.	17441					
	OX 18496									
CITY OKLAH	OMA CITY	STATE OK	ZIP	73	154					
COMPLETION TYPE	8:	CASING & CEMENT	(Form 1002C mus	t ha attached	4/	1		LOCAT	E WELL	
X SINGLE ZONE								DC:	647	700
MULTIPLE ZONE		TYPE	SIZE	WEIGHT	GRADE	FEET		PSI	SAX	ТОР
Application Date COMMINGLED		CONDUCTOR								
Application Date		SURFACE	9-5/8"	36#	J-55	1,484	I		725	Surface
OCATION EXCEPTION ORDER NO.	689290	INTERMEDIATE				1. V				
NCREASED DENSITY	682518	PRODUCTION	7"	29#	P-110EC	6.581			240	4,126
ORDER NO.		LINER	4-1/2"	13.50#		6,231-10			455	6,231
		LINEIX	4-1/2	13.30#	F-110	0,231-10	,730		400	10,761
	Chester	(CSTR)							Repor	ted to
FORMATION SPACING & SPACING DRDER NUMBER CLASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc	354	ICSTR)			••				Repor Frac	ted to Focus
SPACING & SPACING DRDER NUMBER CLASS: Oil, Gas, Dry, Inj.	Chester 640 63869	ICSTR)			8				Repor	ted to Foeus
SPACING & SPACING DRDER NUMBER CLASS: Oil, Gas, Dry, Inj.	Chester 640 63869 Gas	ICSTR)			SC.				Regor Frac	ted to Foeus
SPACING & SPACING DRDER NUMBER CLASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc	Chester 640 63869 Gas 6,433 - 10,684	ICSTR)			8				Regor	ted to Focus
SPACING & SPACING DRDER NUMBER CLASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc PERFORATED NTERVALS ACID/VOLUME	Chester 640 63869 Gas 6,433 - 10,684 42,500 gals acid 70,540 bbls fluids	ICSTR)			80				Repor	ted to Foeus
SPACING & SPACING DRDER NUMBER CLASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc PERFORATED NTERVALS	Chester 640 63869 Gas	ICSTR)			SC.				Regor	ted to Focus
SPACING & SPACING SPACING & SPACING SPACING BORDER NUMBER SLASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc PERFORATED NTERVALS ACIDI/VOLUME FRACTURE TREATMEMT	Chester 640 63869 Gas 6,433 - 10,684 42,500 gals acid 70,540 bbls fluids			Gas F	Purchaser/Mea		Ch	nesane	Regar Frac	ted to Focus
PACING & SPACING PROBER NUMBER LASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc ERFORATED NTERVALS CID/VOLUME RACTURE TREATMEMT	Chester 640 63869 Gas 6,433 - 10,684 42,500 gals acid 70,540 bbls fluids 3,343,994# proppant	(165:10-17-7)					Cr	nesape	Report Frac	
PACING & SPACING PROBER NUMBER LASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc ERFORATED NTERVALS CID/VOLUME RACTURE TREATMEMT Fluids/Prop Amounts)	Chester 640 63869 Gas 6,433 - 10,684 42,500 gals acid 70,540 bbls fluids 3,343,994# proppant				Purchaser/Mea		Ch	nesape		
PACING & SPACING PROBER NUMBER LASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc ERFORATED NTERVALS CID/VOLUME RACTURE TREATMEMT Fluids/Prop Amounts)	Chester 640 63869 Gas 6,433 - 10,684 42,500 gals acid 70,540 bbls fluids 3,343,994# proppant	(165:10-17-7)			Purchaser/Mea		<u>Cr</u>	nesape		
PACING & SPACING PROBER NUMBER LASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc ERFORATED NTERVALS CID/VOLUME RACTURE TREATMEMT Fluids/Prop Amounts)	Chester 640 63869 Gas 6,433 - 10,684 42,500 gals acid 70,540 bbls fluids 3,343,994# proppant Minimum Gas Allowable OR Oil Allowable 1/5/2019 38	(165:10-17-7)			Purchaser/Mea		Ch	nesape (
PACING & SPACING PROBER NUMBER LASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc ERFORATED NTERVALS CID/VOLUME RACTURE TREATMEMT Fluids/Prop Amounts) NITIAL TEST DATA NITIAL TEST DATE DIL-BBL/DAY	Chester 640 63869 Gas 6,433 - 10,684 42,500 gals acid 70,540 bbls fluids 3,343,994# proppant Minimum Gas Allowable OR Oil Allowable 1/5/2019 38 40.5	(165:10-17-7)		1st Sa	Purchaser/Mea	asurer	Cr	nesape		
PACING & SPACING PROBER NUMBER CLASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc PERFORATED INTERVALS CIDIVOLUME RACTURE TREATMEMT Fluids/Prop Amounts) NITIAL TEST DATA NITIAL TEST DATE DIL-BBL/DAY DIL-GRAVITY (API)	Chester 640 63869 Gas 6,433 - 10,684 42,500 gals acid 70,540 bbls fluids 3,343,994# proppant Minimum Gas Allowable OR Oil Allowable 1/5/2019 38 40.5 2,704	(165:10-17-7)		1st Sa	Purchaser/Mea	asurer	Ch	nesape		
PACING & SPACING RADER NUMBER LASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc ERFORATED STERVALS CID/VOLUME RACTURE TREATMEMT Fluids/Prop Amounts) SITIAL TEST DATA SITIAL TEST DATE SIL-BBL/DAY SIL-GRAVITY (API) SAS-MCF/DAY SAS-OIL RATIO CU FT/BBL	Chester 640 63869 Gas 6,433 - 10,684 42,500 gals acid 70,540 bbls fluids 3,343,994# proppant Minimum Gas Allowable OR Oil Allowable 1/5/2019 38 40.5 2,704 71,158	(165:10-17-7)		1st Sa	Purchaser/Mea	asurer	<u>Cr</u>	nesape		
PACING & SPACING IRDER NUMBER LASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc ERFORATED ITERVALS CID/VOLUME RACTURE TREATMEMT Fluids/Prop Amounts) INTIAL TEST DATA INTIAL TEST DATE IIL-BBL/DAY IIL-GRAVITY (API) IAS-MCF/DAY IAS-OIL RATIO CU FT/BBL I/ATER-BBL/DAY	Chester 640 63869 Gas 6,433 - 10,684 42,500 gals acid 70,540 bbls fluids 3,343,994# proppant Minimum Gas Allowable OR Oil Allowable 1/5/2019 38 40.5 2,704 71,158 243	(165:10-17-7)		1st Sa	Purchaser/Mea	asurer	_Cr	nesape		
PACING & SPACING PROBER NUMBER LASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc ERFORATED SITERVALS CID/VOLUME RACTURE TREATMEMT Fluids/Prop Amounts) SITIAL TEST DATA SITIAL TEST DATE SIL-BBL/DAY SIL-GRAVITY (API) SAS-MCF/DAY SAS-OIL RATIO CU FT/BBL SIATER-BBL/DAY UMPING OR FLOWING	Chester 640 63869 Gas 6,433 - 10,684 42,500 gals acid 70,540 bbls fluids 3,343,994# proppant Minimum Gas Allowable OR Oil Allowable 1/5/2019 38 40.5 2,704 71,158 243 Flowing	(165:10-17-7)	IS SI	1st Sa	Purchaser/Mea	asurer	Cr	nesape		
PACING & SPACING PROBER NUMBER ILASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc ERFORATED INTERVALS CID/VOLUME RACTURE TREATMEMT Fluids/Prop Amounts) INTIAL TEST DATA INTIAL TEST DATE INIL-BBL/DAY IL-GRAVITY (API) IAS-MCF/DAY IAS-OIL RATIO CU FT/BBL IVATER-BBL/DAY UMPING OR FLOWING ILASSURE	Chester 640 63869 Gas 6,433 - 10,684 42,500 gals acid 70,540 bbls fluids 3,343,994# proppant Minimum Gas Allowable OR Oil Allowable 1/5/2019 38 40.5 2,704 71,158 243 Flowing 1243.4	(165:10-17-7)	IS SI	1st Sa	Purchaser/Mea	asurer	Ch	nesape		
SPACING & SPACING SPACING & SPACING SPACING & SPACING	Chester 640 63869 Gas 6,433 - 10,684 42,500 gals acid 70,540 bbls fluids 3,343,994# proppant Minimum Gas Allowable OR Oil Allowable 1/5/2019 38 40.5 2,704 71,158 243 Flowing 1243.4 64/64	(165:10-17-7)		1st Sa	Purchaser/Mea	asurer	Ch	nesape		
SPACING & SPACING SPACING & SPACING SPACING BORDER NUMBER SLASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc PERFORATED NTERVALS ACID/VOLUME FRACTURE TREATMEMT Fluids/Prop Amounts) NITIAL TEST DATA NITIAL TEST DATE DIL-BBL/DAY DIL-GRAVITY (API) SAS-MCF/DAY SAS-OIL RATIO CU FT/BBL WATER-BBL/DAY PUMPING OR FLOWING NITIAL SHUT-IN PRESSURE CHOKE SIZE FLOW TUBING PRESSURE	Chester 640 63869 Gas 6,433 - 10,684 42,500 gals acid 70,540 bbls fluids 3,343,994# proppant Minimum Gas Allowable OR Oil Allowable 1/5/2019 38 40.5 2,704 71,158 243 Flowing 1243.4 64/64 91	(165:10-17-7)	S SI	JBN	Purchaser/Mea	asurer ED			11/30/20	
SPACING & SPACING DRDER NUMBER CLASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc PERFORATED NTERVALS ACID/VOLUME FRACTURE TREATMEMT Fluids/Prop Amounts) NITIAL TEST DATA NITIAL TEST DATE DIL-BBL/DAY DIL-GRAVITY (API) SAS-MCF/DAY PUMPING OR FLOWING NITIAL SHUT-IN PRESSURE CHOKE SIZE SICOW TUBING PRESSURE	Chester 640 63869 Gas 6,433 - 10,684 42,500 gals acid 70,540 bbls fluids 3,343,994# proppant Minimum Gas Allowable OR Oil Allowable 1/5/2019 38 40.5 2,704 71,158 243 Flowing 1243.4 64/64 91 d through, and pertinent remarks are presented or under my supervision and direction	(165:10-17-7) (165:10-13-3) sented on the reverse. I dea, with the data and facts sta	IS SI	JBN	Purchaser/Mea	this report and the best of my	am authori: knowledge	zed by m	y organization af.	to make this
PACING & SPACING PROBER NUMBER PLASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc PERFORATED NTERVALS PROBLEM TEATMENT Pluids/Prop Amounts) NITIAL TEST DATA NITIAL TEST DATE DIL-BBL/DAY DIL-GRAVITY (API) PASS-MCF/DAY PUMPING OR FLOWING NITIAL SHUT-IN PRESSURE PHOKE SIZE CONTUBING PRESSURE PROBLEM TO THE PROBLEM TO THE PRESSURE PROBLEM TO THE PROB	Chester 640 63869 Gas 6,433 - 10,684 42,500 gals acid 70,540 bbls fluids 3,343,994# proppant Minimum Gas Allowable OR Oil Allowable 1/5/2019 38 40.5 2,704 71,158 243 Flowing 1243.4 64/64 91 d through, and pertinent remarks are presented or under my supervision and direction	(165:10-17-7) (165:10-13-3) sented on the reverse. I de a, with the data and facts sta JANITA COOPER - NAME	IS SI	JBN Inowledge of the le, correct, and DRY SPE	Purchaser/Mea	this report and the best of my	am authori.	zed by m	y organization af. 405-8	18

L.K. MICDKIDE, INC.

TEST:	Х	INITIAL
		ANNUAL
		RETEST

OKLAHOMA CORPORATION COMMISSION

Oil & Gas Conservation Division
Post Office Box 52000-2000

RECEIVED

Form 1016 Rev. 2017

JAN 11 2019

				BAG	CK PRE	736	TES	T FOR N	IAT	URAL G		ELLS	(Oklahoi Co	ma Cor mmiss	poration	on		
1, 30, 18							(DAC 165:10 DA		S OF TEST:		12/1	12/18	3	DATE O	F 1 ST SA	LES: /1	1/30/18	
Operator	CHESA	APEAKE (DPE	RAT	ING, LL	_C							on and annual property	$\overline{)}$	Operato		174		
Address	P.O. BOX 18496									City OKLAHOMA CITY				ST C	K Zı	P 7315	54-0496		
E-mail	bpmcbride@aol.com						Ph (405) 670-135)-1355	Fax (405) 670-3161				Well APOLLO 7-25-16 1H				
Gas Volume	TARGA PIPELINE							Gas Volum							API# 151-24545				
Reporter Producing	CHESTER 354 C5TR												OTC 151-224682			-			
Zone Surface	CHES	IER 5 =	74	<u> </u>	SIR										Lease #		151-22	24682 (
Location				NE	1/4 NW	1/4 NW	1/4	NW 1/4	Sec	18	Twp	25N	Rge	16W	(OCC u Allowab		2028	25	
Zone Location (if different)				NE	1/4 SW	1/4 NW	1/4	NW 1/4	Sec	: 7	Twp	25N	Rge	16W	County		MOOI	os	
Field															Spacing	Size	64	O AC	
COMPLETION	N:	X Single		Г	Mult	iple Zone		Com	ming	gled	☐ F	Recomp	letion	Dat	te of Com	pletion	11/	18/18	
Total Depth	10761		Plug Back De		ck Depth	epth		10707		Packer Set					Elevation	Elevation		1630 G.L.	
Csg Size	7.000			WT 2		29.0 d		6.184		Depth Set	65		6581		Perfs.	643	33 - 106	84 MD	
Tbg Size	2.875			WT		6.5 d		2.441		Depth Set			6408	}	Perfs.				
Prod. Thru	Т	UBING		Res. T	emp. F	142	(<u>@</u> 61	10	Mean Grd	. Temp	. F	60)	Atm. Pre	ss. PSIA	1	14.4	
8559	н 6	110 G _g	0.6	237	%CO ₂	0.262	%N ₂	1.882	H ₂ S((ppm)	P	rover		Met	er Run	3.068	3 Taps	FLANGE	
SHUT-IN	DATA		PRO\	/ED	FL	OW DATA		DIFF			TUE	BING DA	та	CASING	G DATA	ВНЕ	DATA		
DDECC	(1100)	LINE		T	ORIFICE	FICE PRES				TEMP	PRESS T		EMP PRESS		TEMP PRESS		S TEMP	FLOW (HRS)	
PRESS	(HRS)	SIZE	***************************************	×	SIZE	(PSIG)	(ROOTS	S)	(F)	(PSIC	3) (F)	(PSIG)	(F)	(PSIG)	(F)		
1229	24	3.068			2.000	55		205.4	4	89	133	3 8	9	778	99			24.00	
COEFEI	CIENT (24)	HOLIB)		h _w P _m	PR	ESSURE	FL	OW TEMP.	FAC	TOR C	RAVIT	Y FACT	OR	SUPER	COMPRE	SS	RATE OF	FLOW	
	CIENT (24 HOUR)					P _m		Ft			F _g		_	FACTOR F _{pv}				1	
	21.860	.860		119.39		69.4		0.9732		1.266		266	1		1.000		3216		
P _r		TEMP. R		T _r	T	z			Gas/l		/Liquid Hydrocarbon Ra		0		44.055		MCF/BBL		
0.10		549	549		1	1.000					ravity of Liquid Hydrocarbons				40.1		Deg.		
										cific Gravity arator Gas	1	(0.624	1	Specific Flowing I		0	.700	
										cal ssure	671			PSIA	Critical Pressure		668 PSI		
P ₀ /124	13.4	.4 (PSIA)		P _c ²		1546.0		Critic Tem		cal perature			365		Critical Temperature		392	2 R	
P _w		P _w ²	F	P _c ² - P _w ²	2														
792.4		627.9	 	918.1															
P _c ²	=	1.0	6839	9			P _c ²	n						Г	- P _c ²] ⁿ =	5	009	
[1] P _c ² - P	2 w	(Not to e	xceed	5.263)		[2] F	P _c ² - P	2 W	=	1.557	73	WHA	OF=Q	P	2° - Pw ²		15	611	
Calculated well	nead open f	low		50	009		MCF	D @ 14.65			Angle	of Slope		49.6	3 Slop	oe, n	0.85	500	
Remarks Oil	Produc	tion = 73	BPE) ; W	ater Pr	oduction	n = (574 BPD)										
4 1/2" (13.5	5 lb/ft) L	iner from	623 ⁻	1' to	10758 f	t.													
Approved by Co Brandon Mu				Condu	icted by:	LRM	II			Calculated		BPM		MC.	Checked	by:			
WITNESSE		FIELD ST	AFF:	ΥΓ	X N		_	ME: Br	ran	Donn					DATE	:12/1	8/18		

(over)