Oklahoma Corporation Commission Oil & Gas Conservation Division Post Office Box 52000 Oklahoma City, Oklahoma 73152-2000

Rule 165: 10-3-25

API No.: 35003231600001 **Completion Report** Spud Date: February 14, 2015

OTC Prod. Unit No.: 003-217635 Drilling Finished Date: April 09, 2015

1st Prod Date: July 01, 2016

Amended Completion Date: May 25, 2016

Drill Type: HORIZONTAL HOLE Min Gas Allowable: Yes

Well Name: KRAUS 15-27-11 1H Purchaser/Measurer: CHESAPEAKE OPERATING

Location: ALFALFA 15 27N 11W First Sales Date: 07/01/2016

SW SE SE SW 159 FSL 2017 FWL of 1/4 SEC

Derrick Elevation: 1208 Ground Elevation: 1186

Operator: CHESAPEAKE OPERATING LLC 17441

PO BOX 18496

Amend Reason: COMPLETED WELL

6100 N WESTERN AVE

OKLAHOMA CITY, OK 73154-0496

	Completion Type	Location Exception
Х	Single Zone	Order No
	Multiple Zone	627518
	Commingled	

Increased Density
Order No
627517

		Cas	sing and Ceme	ent			
Туре	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
SURFACE	13 3/8	48	J-55	322		200	SURFACE
INTERMEDIATE	9 5/8	36	J-55	1200		320	SURFACE
PRODUCTION	7	26	P-110EC	5617		250	3071

				Liner				
Туре	Size	Weight	Grade	Length	PSI	SAX	Top Depth	Bottom Depth
LINER	4 1/2	11.6	P-110EC	4785	0	570	5350	10135

Total Depth: 10135

Pac	cker
Depth	Brand & Type
5283	AS-3

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

August 05, 2016 1 of 2

				Initial Tes	t 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
Jul 17, 2016	MISSISSIPPIAN	590		1250	2119	1309	ARTIFICIA			92

Completion and Test Data by Producing Formation

Formation Name: MISSISSIPPIAN

Code: 359MSSP

Class: OIL

Spacing Orders Order No Unit Size 615328 640		
0.110	Spacing (Orders
615328 640	Order No	Unit Size
	615328	640

Perforated	d Intervals
From	То
5650	9995

Acid Volumes

8,086 GALLONS HCL ACID

Fracture Treatments
39,505 BARRELS FRAC FLUID, 194,144 POUNDS
PROPPANT

Formation	Тор
MISSISSIPPIAN	5355

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 THE FINAL LOCATION EXCEPTION HAS NOT BEEN SUBMITTED.

Lateral Holes

Sec: 15 TWP: 27N RGE: 11W County: ALFALFA

NE NE NW NW

188 FNL 1309 FWL of 1/4 SEC

Depth of Deviation: 4902 Radius of Turn: 345 Direction: 2 Total Length: 4780

Measured Total Depth: 10135 True Vertical Depth: 5265 End Pt. Location From Release, Unit or Property Line: 188

FOR COMMISSION USE ONLY

1134004

Status: Accepted

August 05, 2016 2 of 2

PI	ABUSASE TYPE OF USE BLAG	SK INK ON! A				_		226214	College NO
o. 35-003-23160	PLEASE TYPE OR USE BLAC NOTE:	JK INK UNLY	OKLAHOMA	CORPORA	TION COMM	ISSION]	RUBB	64F2	Rev. 200
TC PROD. NIT NO. 003-217635	Attach copy of original 1002A if	recompletion or reentry.		Gas Conserv	vation Division ox 52000	5	11.0	L 2 1 3	2016
		11-11		a City, Oklah	oma 73152-200		•		
ORIGINAL AMENDED	1 ompleted V	vell		Rule 165:1		(KLAHQİ	MA COR	PORATION ION
Reason Amended F60 YPE OF DRILLING OPERATI	<i>elassify well as produc</i> on	ing 		MPLETION		·	CC	DWM122	ION
STRAIGHT HOLE SERVICE WELL	DIRECTIONAL HOLE	HORIZONTAL HOLE	SPUD DATE DRLG FINISHED		/2015		640 /	Acres	
	everse for bottom hole location.		DATE	4/9/	2015				
OUNTY ALFA	LFA SEC 15 TW	2/14	DATE OF WELL COMPLETION	5/25	/2016				
	AUS 15-27-11	NO 1H	1ST PROD DATE	7/1/	2016				
HL SW 1/4 SE 1/4 SE	FSL 1/4 SW 1/4 159	FWL OF 1/4 SEC 2.017	RECOMP DATE			10/			le le
EVATION	Latitude (if		Longitude			w	1		
DEDATOR	ound 1,186		(if Known)		47.44				
ME CHESA	PEAKE OPERATING,	L.L.C.	TC/OCC OPERATOR	NO.	17441				
DDRESS P.O. BO	OX 18496								
TY OKLAH	OMA CITY	STATE (OK ZIP	73	154				
MPLETION TYPE		04000000000	NT /Fam: 10000	4 6 4 4 4 4 4	٠	1	LOCAT	E WELL	
SINGLE ZONE			NT (Form 1002C mus					24::	
MULTIPLE ZONE		CONDUCTOR	SIZE	WEIGHT	GRADE	FEET	PSI	SAX	TOP
Application Date COMMINGLED									
Application Date CATION	07540 (1) 1757 11	SURFACE	13 3/8"	48#	J-55	322		200	SURFACE
CEPTION ORDER NO. 6. CREASED DENSITY	27518 (INTERIM)	INTERMEDIATE	9 5/8"	36#	J-55	1,200		320	SURFACE
DER NO.	627517	PRODUCTION	7"	26#	P-110EC	5,617		250	3,071
		LINER	4 1/2"	11.6#	P-110EC	5,350-10,135	5	570	5,349
CKER @ BRA		PLUG@PLUG@	_	PLUG @ PLUG @		TYPE TYPE	-	L DEPTH	10,135
CKER @ BRA	ND & TYPE BY PRODUCING FORMATION 35	PLUG @		_			-		
MPLETION & TEST DATA I RMATION ACING & SPACING	ND & TYPE BY PRODUCING FORMATION 35 MISSISSIPPIAN 640	PLUG @		_			-		
BRA MPLETION & TEST DATA I RMATION ACING & SPACING DER NUMBER ASS: Oil, Gas, Dry, Inj.	MISSISSIPPIAN 640 615328	PLUG @		_			-		ted
CKER @ BRA	ND & TYPE BY PRODUCING FORMATION 35 MISSISSIPPIAN 640	PLUG®		PLUG @		IYPE	-		
BRA MPLETION & TEST DATA I RMATION ACING & SPACING DER NUMBER ASS: Oil, Gas, Dry, Inj. sp, Comm Disp, Svc	MISSISSIPPIAN 640 615328 OIL	PLUG®	TYPE	PLUG @		TYPE	-		
BRA MPLETION & TEST DATA I RMATION ACING & SPACING DER NUMBER ASS: Oil, Gas, Dry, Inj. p, Comm Disp, Svc	MISSISSIPPIAN 640 615328	PLUG®	TYPE	PLUG @		TYPE	-		
BRA MPLETION & TEST DATA I RMATION ACING & SPACING DER NUMBER ASS: Oil, Gas, Dry, Inj. p, Comm Disp, Svc RFORATED ERVALS	MISSISSIPPIAN 640 615328 OIL 5,650-9,995	PLUG®	TYPE	PLUG @		TYPE	-		
BRA MPLETION & TEST DATA I RMATION CING & SPACING DER NUMBER SS: Oil, Gas, Dry, Inj. p, Comm Disp, Svc RFORATED ERVALS	MISSISSIPPIAN 640 615328 OIL 5,650-9,995 HCL Acid 8086 GALS	PLUG®	TYPE	PLUG @		TYPE	-		
BRA MPLETION & TEST DATA I RMATION ACING & SPACING DER NUMBER ACS: Oil, Gas, Dry, Inj. p, Comm Disp, Svc RFORATED ERVALS D/VOLUME	MISSISSIPPIAN 640 615328 OIL 5,650-9,995 HCL Acid 8086 GALS Frac Fluid 39,505 BLS	PLUG®	TYPE	PLUG @		TYPE	-		
BRA MPLETION & TEST DATA I RMATION CING & SPACING DER NUMBER SS: Oil, Gas, Dry, Inj. p, Comm Disp, Svc RFORATED ERVALS D/VOLUME ACTURE TREATMEMT	MISSISSIPPIAN 640 615328 OIL 5,650-9,995 HCL Acid 8086 GALS Frac Fluid	PLUG®	TYPE	PLUG @		TYPE	-		
BRA MPLETION & TEST DATA I RMATION CING & SPACING DER NUMBER SS: Oil, Gas, Dry, Inj. p, Comm Disp, Svc RFORATED ERVALS D/VOLUME ACTURE TREATMEMT	MISSISSIPPIAN 640 615328 OIL 5,650-9,995 HCL Acid 8086 GALS Frac Fluid 39,505 BLS Proppant 194,144 LBS Minimum Gas Allo	PLUG @	AS SL	JBN		ED		Repoi to F	
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BRA MPLETION & TEST DATA I RMATION ACING & SPACING DER NUMBER LSS: Oil, Gas, Dry, Inj. p, Comm Disp, Svc RFORATED ERVALS DIVOLUME ACTURE TREATMEMT ids/Prop Amounts)	MISSISSIPPIAN 640 615328 OIL 5,650-9,995 HCL Acid 8086 GALS Frac Fluid 39,505 BLS Proppant 194,144 LBS Minimum Gas Allo X OR Oil Allowable	PLUG @	AS SL	JBN	Purchaser/Mea	ED		Repoi to F	rating, L.L.C
BRA MPLETION & TEST DATA I RMATION ACING & SPACING DER NUMBER ASS: Oil, Gas, Dry, Inj. Pp, Comm Disp, Svc RFORATED ERVALS DIVOLUME ACTURE TREATMEMT Ids/Prop Amounts) IAL TEST DATA	MISSISSIPPIAN 640 615328 OIL 5,650-9,995 HCL Acid 8086 GALS Frac Fluid 39,505 BLS Proppant 194,144 LBS Minimum Gas Allo OR Oil Allowable 7/17/2016	PLUG @	AS SL	JBN	Purchaser/Mea	ED		Repoi to F	rating, L.L.C
BRA MPLETION & TEST DATA I RMATION ACING & SPACING DER NUMBER ASS: Oil, Gas, Dry, Inj. Ap, Comm Disp, Svc RFORATED ERVALS DIVOLUME ACTURE TREATMEMT idds/Prop Amounts) TIAL TEST DATA TIAL TEST DATE -BBL/DAY	MISSISSIPPIAN 640 615328 OIL 5,650-9,995 HCL Acid 8086 GALS Frac Fluid 39,505 BLS Proppant 194,144 LBS Minimum Gas Allo X OR Oil Allowable	PLUG @	AS SL	JBN	Purchaser/Mea	ED		Repoi to F	rating, L.L.C
BRA MPLETION & TEST DATA I RMATION ACING & SPACING DER NUMBER ISS: Oil, Gas, Dry, Inj. p, Comm Disp, Svc REGRATED ERVALS D/VOLUME ACTURE TREATMEMT Ids/Prop Amounts) IAL TEST DATA IAL TEST DATE BBL/DAY GRAVITY (API)	MISSISSIPPIAN 640 615328 OIL 5,650-9,995 HCL Acid 8086 GALS Frac Fluid 39,505 BLS Proppant 194,144 LBS Minimum Gas Allo OR Oil Allowable 7/17/2016	PLUG @	AS SL	JBN	Purchaser/Mea	ED		Repoi to F	rating, L.L.C
BRA MPLETION & TEST DATA I RMATION CRING & SPACING DER NUMBER ISS: Oil, Gas, Dry, Inj. P, Comm Disp, Svc RFORATED ERVALS D/VOLUME ACTURE TREATMEMT Ids/Prop Amounts) IAL TEST DATA IAL TEST DATE BBL/DAY GRAVITY (API) S-MCF/DAY	MISSISSIPPIAN 640 615328 OIL 5,650-9,995 HCL Acid 8086 GALS Frac Fluid 39,505 BLS Proppant 194,144 LBS Minimum Gas Allo X OR Oil Allowable 7/17/2016 590	PLUG @	AS SL	JBN	Purchaser/Mea	ED		Repoi to F	rating, L.L.C
BRA MPLETION & TEST DATA I RMATION ACING & SPACING DER NUMBER SS: Oil, Gas, Dry, Inj. P, Comm Disp, Svc RFORATED ERVALS D/VOLUME ACTURE TREATMEMT ids/Prop Amounts) IAL TEST DATA IAL TEST DATE BBL/DAY GRAVITY (API) S-MCF/DAY S-OIL RATIO CU FT/BBL	MISSISSIPPIAN 640 615328 OIL 5,650-9,995 HCL Acid 8086 GALS Frac Fluid 39,505 BLS Proppant 194,144 LBS Minimum Gas Allo X OR Oil Allowable 7/17/2016 590 1,250 2,119 1309	PLUG @	AS SL	JBN	Purchaser/Mea	ED		Repoi to F	rating, L.L.C
BRA MPLETION & TEST DATA I RMATION ACING & SPACING DER NUMBER ASS: Oil, Gas, Dry, Inj. p, Comm Disp, Svc RFORATED ERVALS DIVOLUME ACTURE TREATMEMT dids/Prop Amounts) IAL TEST DATA IAL TEST DATE BBL/DAY GRAVITY (API) S-MCF/DAY S-OIL RATIO CU FT/BBL TER-BBL/DAY MPING OR FLOWING	MISSISSIPPIAN 640 615328 OIL 5,650-9,995 HCL Acid 8086 GALS Frac Fluid 39,505 BLS Proppant 194,144 LBS Minimum Gas Allo X OR Oil Allowable 7/17/2016 590 1,250 2,119	PLUG @	AS SL	JBN	Purchaser/Mea	ED		Repoi to F	rating, L.L.C
MPLETION & TEST DATA I RMATION ACING & SPACING DER NUMBER ASS: Oil, Gas, Dry, Inj. sp, Comm Disp, Svc RFORATED PERVALS ACTURE TREATMEMT Idds/Prop Amounts) FIAL TEST DATA FIAL TEST DATE -BBL/DAY -GRAVITY (API) S-MCF/DAY S-OIL RATIO CU FT/BBL TER-BBL/DAY MPING OR FLOWING FIAL SHUT-IN PRESSURE	MISSISSIPPIAN 640 615328 OIL 5,650-9,995 HCL Acid 8086 GALS Frac Fluid 39,505 BLS Proppant 194,144 LBS Minimum Gas Allo X OR Oil Allowable 7/17/2016 590 1,250 2,119 1309	PLUG @	AS SL	JBN	Purchaser/Mea	ED		Repoi to F	rating, L.L.C
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BRAMPLETION & TEST DATA I RMATION ACING & SPACING DER NUMBER ASS: Oil, Gas, Dry, Inj. p, Comm Disp, Svc RFORATED ERVALS D/VOLUME ACTURE TREATMEMT ids/Prop Amounts) FIAL TEST DATA TIAL TEST DATE -BBL/DAY -GRAVITY (API) S-MCF/DAY S-OIL RATIO CU FT/BBL TER-BBL/DAY MPING OR FLOWING TIAL SHUT-IN PRESSURE D/W TUBING PRESSURE	MISSISSIPPIAN 640 615328 OIL 5,650-9,995 HCL Acid 8086 GALS Frac Fluid 39,505 BLS Proppant 194,144 LBS Minimum Gas Allo X OR Oil Allowable 7/17/2016 590 1,250 2,119 1309 ARTIFICIAL LIFT	PLUG @ PLUG @ PMSS P	AS SL	JBN Gas 1st Sa	Purchaser/Mea:	ED	Chesape	Report to F	rating, L.L.C
RMATION ACING & SPACING DER NUMBER ASS: Oil, Gas, Dry, Inj. p, Comm Disp, Svc RFORATED ERVALS DIVOLUME ACTURE TREATMEMT A	MISSISSIPPIAN 640 615328 OIL 5,650-9,995 HCL Acid 8086 GALS Frac Fluid 39,505 BLS Proppant 194,144 LBS Minimum Gas Allo OR Oil Allowable 7/17/2016 590 1,250 2,119 1309 ARTIFICIAL LIFT	PLUG @ PNSSP (165:10-17-) (165:10-13-3)	AS SU	BN Gas 1st So	Purchaser/Mea: ales Date	ED Surer	Chesape.	Report to F	rating, L.L.C
RMATION ACING & SPACING DER NUMBER ASS: Oil, Gas, Dry, Inj. p, Comm Disp, Svc RFORATED ERVALS D/VOLUME ACTURE TREATMEMT ids/Prop Amounts) IAL TEST DATA IAL TEST DATE BBL/DAY GRAVITY (API) S-MCF/DAY S-OIL RATIO CU FT/BBL TER-BBL/DAY MPING OR FLOWING IAL SHUT-IN PRESSURE D/KE SIZE D/W TUBING PRESSURE Cord of the formations drilled out, which was prepared by in	MISSISSIPPIAN 640 615328 OIL 5,650-9,995 HCL Acid 8086 GALS Frac Fluid 39,505 BLS Proppant 194,144 LBS Minimum Gas Allo X OR Oil Allowable 7/17/2016 590 1,250 2,119 1309 ARTIFICIAL LIFT 92	PLUG @ 9 MSS P wable (165:10-17-) (165:10-13-3) Interpresented on the reverse. To rection, with the data and facts of the superior of the s	AS SU	Gas 1st So	Purchaser/Mea: ales Date	Surer s report and am au e best of my knowl 7/19/20	Chesape.	Report to F	rating, L.L.C
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PLEASE TYPE OR USE BLACK INK ONLY

 THE DIT OUR BEACK HAN ONE	
FURMATION RECORD	

Give formation names and tops, if available, or drilled through. Show intervals cored or drillster	descriptions and thickness of formatic	ons LEASE NAME KRAUS	15-27-11 WELL NO. <u>1H</u>
NAMES OF FORMATIONS MISSISSIPPIAN	TOP 5,355	ITD on file YES	FOR COMMISSION USE ONLY NO APPROVED 2) Reject Codes
		Were open hole logs run? Date Last log was run Was CO ₂ encountered? Was H ₂ S encountered? Were unusual drilling circulf yes, briefly explain.	yes X_no N/A yes X_no at what depths? yes X_no at what depths? mstances encountered? yes _X_no
Other remarks:	BOTTOM HOLE LOCATION FOR	DIRECTIONAL HOLF	
010710,000	Spot Location 1/4 1/4	RGE COUNTY 1/4 1/4 True Vertical Depth	Feet From 1/4 Sec Lines FSL FWL BHL From Lease, Unit, or Property Line:
	BOTTOM HOLE LOCATION FOR	•	ALS)
If more than three drainholes are proposed, attach a	Spot Location NE 1/4 NE 1/4 Depth of Deviation Measured Total Depth	NW 1/4 NW 1/4 Radius of Turn 345 True Vertical Depth	ALFALFA Feet From 1/4 Sec Lines FNL 188 FWL 1,309 Direction 2 Total Length 4,780 BHL From Lease, Unit, or Property Line:
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	Spot Location 1/4 1/4 Depth of Deviation	5,265 RGE COUNTY 1/4 1/4 Radius of Turn True Vertical Depth	Feet From 1/4 Sec Lines FSL FWL Direction Total Length BHL From Lease, Unit, or Property Line:
	Spot Location 1/4 1/4	RGE COUNTY	Feet From 1/4 Sec Lines FSL FWL
	Deviation	Radius of Turn True Vertical Depth	Direction Total Length BHŁ From Lease, Unit, or Property Line:

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219

Certificate of Authorization No. 1293 LS. **ALFALFA** _____ County, Oklahoma 15 Township <u>27N</u> Range <u>11W</u> I.M. 159'FSL-2017'FWL _ Section _ 2648 36.826283 36.826286° N 36.826282° N 98.377730° W BOTTOM PERF 9955' MD BOTTOM HOLE (10135' MD) 188'FNL-1309'FWL 36'49'32.8" N 98'22'23.7" W 98.359640° W 1889436.9 X= 1892084.2 X = 1894732.2Y= 665014.0 Y= 665005.1 Y= 665023.6 36.825768° N 98.373261° W BOTTOM PERF (9995' MD) 328'FNL-1309'FWL X= 1890744.3 36.825383° N 98.373267° W Y= 664831.3 X= 1890742.2 Y= 664691.4 (As-Drilled) (As-Drilled) 0GR48/ (15 -N−º Ħ 3 1930 15-27-11 36.819040° N 98.359655° W 36.819038' N 98.377785' W X= 1889410.5 X = 1894717.8Y= 662366.8 Y= 662386.2 GRID NAD-27 OK NORTH US Feet TOP PERF (5650' MD) 667'FSL-1594'FWL Scale: 1"= 1000' 36.813626° N 98.372382° W X= 1890984.8 Y= 660409.6 PENETRATION POINT (5355' MD) 450'FSL-1769'FWL 36.813028° N 98.371787° W X= 1891158.0 Y= 660191.4 - 159'FSL-2017'FWL 2659 2660' 36.811793' N 98.359671' W 98.377840 W X= 1889384.3 36.811793°N ⌽ X= 1894703.5 Y= 659748.9 X = 1892043.7A C Land & Cattle 22-27-11 1H (As-Drilled) Y= 659728.5 Y= 659738.5 **ELEVATION:** Operator: CHESAPEAKE OPERATING, L.L.C. Lease Name: KRAUS 15-27-11 1186' Gr. at Level Pad Well No.: ___1H Topography & Vegetation Loc. fell on level pad, ±127' North of power poles, ±129' South of pipeline Reference Stakes or Alternate Location Good Drill Site? _____ Stakes Set _ None From South off county road Best Accessibility to Location ____ Distance & Direction From the Jct. of Hwy. 8 N-S & Hwy. 11 East at Cherokee, Ok, go ± 1 mile from Hwy Jct or Town North on Hwy. 9, then ±1 mile West to the SW Cor. of Sec. 15-T27N-R11W 261506 Date of Drawing: June 07, 2016 DATUM: NAD-27

STATE STA Invoice # 235007 Date Staked: Nov. 18, 2014 JΡ LAT: 36'48'44.0"N LONG: 98'22'15.4"W LONG: 98 22 15.4 W

LAT: 36.812231 N

LONG: 98.370948 W

STATE PLANE

COORDINATES: (US F

ZONE: OK NORTH FINAL AS-DRILLED PLAT COORDINATES: (US Feet) AS-DRILLED INFORMATION FURNISHED BY CHESAPEAKE OPERATING, L.L.C. X: <u>189</u>1402.5

659900.1

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA