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

Rule 165: 10-3-25

OTC Prod. Unit No.: 017-217812 Drilling Finished Date: March 28, 2016

1st Prod Date: September 28, 2016

Completion Date: September 28, 2016

Drill Type: HORIZONTAL HOLE

Well Name: GUNDY 8-12H Purchaser/Measurer: XEC

Location: CANADIAN 12 14N 10W

NE SE SE SE

384 FSL 274 FEL of 1/4 SEC

Derrick Elevation: 0 Ground Elevation: 1449

Operator: CIMAREX ENERGY CO 21194

202 S CHEYENNE AVE STE 1000

TULSA, OK 74103-3001

		Completion Type
	Χ	Single Zone
		Multiple Zone
Ī		Commingled

Location Exception
Order No
645950
645854

Increased Density
Order No
645754

First Sales Date: 09/28/2016

Casing and Cement									
Туре	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT		
SURFACE	13 3/8	54.5	J55	567	3000	460	SURFACE		
INTERMEDIATE	9 5/8	40	L80	9751	4000	710	7500		
PRODUCTION	5 1/2	20	P110	15814	8000	1900	7500		

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

Total Depth: 15814

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

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

Initial Test Data

January 17, 2017 1 of 2

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
Oct 07, 2016	MISSISSIPPIAN	305.4	57.7	3644	11932	1914	FLOWING	4349	16/64	

Completion and Test Data by Producing Formation

Formation Name: MISSISSIPPIAN

Code: 359MSSP

Class: OIL

Spacing Orders					
Order No	Unit Size				
645304	640				

Perforated Intervals				
From	То			
11029	15802			

Acid Volumes

There are no Acid Volume records to display.

Fracture Treatments	
11,236,890 GALLONS TOTAL FLUID 13,155,764 LBS OF SAND	

Formation	Тор
MERAMEC	11019

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

Were unusual drilling circumstances encountered? No Explanation:

Other Remarks

OCC: FLE ORDER HAS NOT BEEN ISSUED. WE HAVE ACCEPTED OPERATORS DATA AS SUBMITTED. IRREGULAR SECTION.

Lateral Holes

Sec: 12 TWP: 14N RGE: 10W County: CANADIAN

NW NW NE NE

151 FNL 1032 FEL of 1/4 SEC

Depth of Deviation: 10630 Radius of Turn: 295 Direction: 351 Total Length: 4291

Measured Total Depth: 15814 True Vertical Depth: 10927 End Pt. Location From Release, Unit or Property Line: 151

FOR COMMISSION USE ONLY

1134829

Status: Accepted

January 17, 2017 2 of 2

CIMAREX Well Location Plat

Operator: CIMAREX ENERGY COMPANY Lease Name and No.: GUNDY 8-12H

Footage: 384' FSL - 274' FEL GR. ELEVATION: 1449' Good Site? YES

Section: 12 Township: 14N Range: 10W

2631.5

County: Canadian State of Oklahoma

Alternate Loc.: N/A

Terrain at Loc.: Location fell in open pasture, ±280' East of existing pipeline, ±350' North of existing pipeline, with East edge of proposed pad built on fence line.

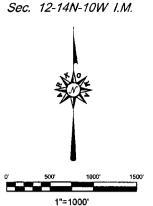
Accessibility: From the West.

Directions: From the town of Geary, OK, at the Junction of U.S. Highway 270 & U.S.

Highway 281, go 1.2 miles East on U.S. Hwy. 270, go 5.0 miles North on

"Methodist Rd.," and go 5.0 miles East on "EW 91 Rd." to the Southeast Corner of

Section 12-14N-10W



GPS DATUM NAD - 27 **OK NORTH ZONE**

X:1938615

Y:258766

2628

Surface Hole Loc.: Lat: 35°41'50.37"N Lon: 98°12'27.69"W X: 1938329 Y: 253898

Bottom Hole Loc.: Lat: 35°42'38.57"N Lon: 98°12'36.98"W X: 1937573 Y: 258773

have been surveyed on-the-ground, and further, does NOT represent a true Boundary Survey.

Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed X and Y data shown hereon for Section Corners may NOT and Mapping promptly if any data is observed from RTK -

-GPS

Section distances may be assumed from a Government Survey Plat or assumed at a proportionate distance from opposing section or occupation thereof, and may not have been measured on-the-ground, and further, does not represent a true boundary survey. " EW 90 RD." X:1933355 X:1935986 258806 :258787 BOTTOM HOLE LOC 1' FNL - 1042' FEL N08°49'W (Grid NAD 27) X:1933339 X:1938609 Y:256160 Y:256136 12 268 RD. SS , NS X:1935992 Y:253524 Quarter (comers, 2668 2610.5 X:1933324 X:1938602 Y:253513

survey and plat by,

Arkoma Surveying and Mapping, PLLC P.O. Box 238 Wilburton, OK 74578

Ph. 918 465-5741 Fax 918-465-5030 Certificate of Authorization No. 5348 Expires June 30, 2016

Invoice #5737-D

By: C.K. Date Staked: 08/11/15 Date Drawn: 08/17/15 By : K.M.

Certification:

This is to certify that this Well Location Plat represents the results of a survey made on the ground performed under the supervision of the undersigned.

STAN DRANNON

8/19/15

OK LPLS 1672



CIMAREX

DRILLING PROGNOSIS

Well: Surface Location:

Gundy 8-12H 384' FSL & 274' FEL Sec 12-14N-10W 150' FNL & 1042' FEL Sec 12-14N-10W Toe Location: County, State E-Mail: Canadian, OK wellsite38@cimarex.com

Wellhead: 8 Spool: Tog Spool Xmas Tree

13-3/8" SOW x 13-5/8" 5K 13-5/8" 5K x 11" 10K 11" 10K x 5-1/8" 15K 2-1/16" 1DK

Tubing:

Superintendent: Engineer: Geologist:

2-3/8" 4.7# EUE: 6,000' J55, 6,450' L80

Ricky Harris David Jones

10/21/2015 Date:

API#:

AFE No.:
Property #:
Field:
Objective:
TVD/MD: 2215105 350016-962.01 Cana Core Meramec 11,327' TVD/15,915' MD

Cementing: SLB Directional: Baker Mud: Baroid

Mud:
Rig: Noram 28
Offset Wells: Edward 2-25H (3/15) Noram 28
DVN Lake 1-26H (1/11) H&P268
Estep 1-1H (1/21/4) Unit 308
Shepard 1-3HX (5/15) Noram 27
Ford 1-21H (8/14) Caclus 144

Hole Size		Formation	Tops (TVD)	Logs	Cement	Mud Weigh
		20" Conductor	80.		Spacer: 10 bbls water Lead: Z70 sacks @12.8 ppg, 1.93 ft3/sack	Spud Mud 8.8 - 9.2 ppg 30-35 Funnel Viecosity
17-112		Base Treatable Water			1.93 n.3/sack Tail: 190 sacks @14.8ppg, 1.33 n.3/sack	9.2 ppg kecosity
	🖺				Volume calculations based	. ≥
					on 70% excess in open hole.	g §
					Bowspring Centralizers on bottom 3 joints and every 4th	ž.
	↓ 💆 📗	13-3/8" 54.5# J55 STC 0' - 600'			joint to surface.	ū
	1	Activate Pason Gas Defector by 500	XV.			
12-314		Heebner Base				
		Heedings base	6,430'			
		Tonkawa Sand	7,069			Ę.
	la la	TOC Intermediate Casing	7,500		30 bbis Mud Flush 20 bbis Gelled Water	- 0
		TOC Intermediate Casing Cottage Grove	7,681		Spacer: 30 bbis @ 10.5 ppg	Ē
	愛	蒙			Lead: 480 sacks @ 12.0 ppg, 2.40 ft3/sack	B _Q
		Hagshooter Lime	7,962'		Tail: 320 sacks @16.4 ppg,	3
	1	Checkerboard Lime	8,359		1.07 ft3/sack All volume calculations	8
		TOC Production Casing	8,500		based on 30% excess over	N.
		Verdigris Lime	9,175		13" OH. Solid body Centralizers on bottom 3 joints.	9.2-9.8 ppg WBM. See mud program for details
		Pink Lime	9,378		bottom 3 joints,	29.6
		Red Fork	9,399			6
	#	Inola	9,581'			
		Atoka	9,630	•		
		Novi Lime	9,681*			
	1	Morrow Shale	9,696'			
	· · · · · · · · · · · · · · · · · · ·	9 5/8" 40# L80 LTC 0 - 9,705' TV				
		Morrow	9,752		220 Bbls spacer/Mud	2
		Chester	9,835'		Recovery Fluid @ 11.5 ppg Tail: 2360 sacks @ 13.5 ppg,	8
					1.28 ft3/sack.	8 E
					All volume calculations	6.5
		Morrow Chester			based on 20% excess over 9"	11.5 ppg Invermul OBM. See mud program for details
	盡	enter a			OH. Solid Body Centralizers on	10 M
B-3/4"	41	KOP for Lateral, 11" BUR	10,805*		bottom 3 joints, every joint	<u> </u>
	III \	Upper Meramec	10,892*		through curve, and every 3rd	ģ
		Middle Meramec	11,009		joint from KOP to TOC	Ξ
		Lower Meramec	11,175		and the second s	
		A CARRY	FAMILY STATES	37-6-20-21-24-6	(4) 电对象性 电电阻器 (5)	
	1	EOC	11,327 TVD / 11,690' I	LID.		
	↓		11,327 (VU111,690)			
				8-3/4"		MANAGE NO.
		J +		8-3/4"		

5-1/2" 20# P110 LTC 0" -10,500"
5-1/2" 20# P110 BTC 10,500" -15,155"
5 BTC Double Marker its -10,800" -12,000" -13,200" -14,400" -15,600"
5hoe: Weatherford 32EHD Float Shoe -10' Pup Joint - Weatherford SE4L Landing Collar -10' Pup Joint - SMART Toe Sleeve Centralizers: 3 on shoe track, 1 per jt from EOC to KOP (21), 1 every 3rd jt from KOP to TOC (13) (Estimated 43 Total)