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

API No.: 35043234820000

Drill Type:

Location:

OTC Prod. Unit No.: 043-218169

Well Name: CHERRY MASH 8-1H

### **Completion Report**

Spud Date: November 05, 2016

Drilling Finished Date: December 05, 2016 1st Prod Date: January 05, 2017 Completion Date: January 01, 2017

Purchaser/Measurer: ENABLE

First Sales Date: 01/11/2017

Operator: CARRERA ENERGY LLC 23514 PO BOX 5036 901 W MISSOURI AVE MIDLAND, TX 79704-5036

DEWEY 8 16N 15W

437 FSL 1650 FEL of 1/4 SEC

Derrick Elevation: 23 Ground Elevation: 1781

N2 SE SW SE

HORIZONTAL HOLE

	Completion Type	Location Exception	Increased Density
Х	Single Zone	Order No	Order No
	Multiple Zone	655592	There are no Increased Density records to display.

Commingled

				C	asing and Cen	nent				
Т	уре		Size	Weight	Grade	Fe	et	PSI	SAX	Top of CMT
CONE	UCTOR		16	65	H-40	12	23			SURFACE
SUR	RFACE		9.625	36	J-55	1515			480	SURFACE
PROD	PRODUCTION		7.0	29	HCP	124	42		1055	7624
					Liner					
Туре	Size	Weig	ht	Grade	Length	PSI	SAX	Тор	Depth	Bottom Depth
LINER	4.5	11.6	3	HCP	5453	0	420	1	1357	16810

# Total Depth: 16816

Pac	ker	PI	ug
Depth	Brand & Type	Depth	Plug Type
11520	ARROW AS1X	There are no Plug	records to display.

**Initial Test Data** 

Test Date	Formation	Oil BBL/Day	Oil-G (A	iravity PI)	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 12, 2017	MISSISSIPPI LIME	63	52	2.9	4377	69476	120	FLOWING	5000	11/64	4680
Feb 22, 2017	MISSISSIPPI LIME	83	54	.99	6259	75410	511	FLOWING		15/64	3850
		Co	mpletic	on and <sup>·</sup>	Test Data	by Producing F	ormation				
	Formation Name: MISS	ISSIPPI LIMI	E		Code: 3	51MSSLM	С	Class: GAS			
	Spacing Orders					Perforated I	ntervals				
Order	· No U	Jnit Size			Fro	m	1	Го			
935	23	640			1246	39	16	697			
5853	396	640									
	Acid Volumes			<b></b>		Fracture Tre	atmonts		-		
	1,495 BARRELS 15% HC			305	153 BARR	ELS SLICK WA			2		
	1,495 BARRELS 15% IC			505,		MESH, 5,884,400			<u>`</u>		
Formation			<b>-</b>								
			Гор			Vere open hole	-	)			
HEEBNER HS						Date last log run:					
TONKAWA HS						Vere unusual dri	illing circums	tances encou	untered? No		
						Explanation:					
TONKAWA SAI AVANT					7702						
COTTAGE GRO					8106						
HOGSHOOTEF					8228						
					8436						
CHECKERBOA	KD				8740						
					8830						
BIG LIME OSWEGO					8915						
PINK LIME					9156 9502						
					9628 9750						
					9750						
MERAMEC					10081						
CHESTER					10983						

# Other Remarks

PER OPERATOR, PRODUCES SOME H2S, SAW NONE ON DRILLING. OCC - THIS DOCUMENT IS ACCEPTED BASED ON THE DATA SUBMITTED THE FINAL LOCATION EXCEPTION HAS NOT BEEN ISSUED.

Lateral Holes

Sec: 8 TWP: 16N RGE: 15W County: DEWEY

NE NW NW NE

165 FNL 1981 FWL of 1/4 SEC

Depth of Deviation: 11478 Radius of Turn: 482 Direction: 356 Total Length: 4686

Measured Total Depth: 16816 True Vertical Depth: 12094 End Pt. Location From Release, Unit or Property Line: 165

# FOR COMMISSION USE ONLY

Status: Accepted

1136051

									R	ĮD	CID		ED)
API 35 043 23482	PLEASE TYPE OR U	JSE BLACK OTE:		O	KLAHOMA C	ORPORAT	ION COMMISS	SION	-	-	-		~
OTC PROD UNIT NO. 043218169	Attach copy of if recompletion				Pos	t Office Box	tion Division 52000 na 73152-200	n				7 2017	
AMENDED (Reason)						Rule 165:10 PLETION I	0-3-25		OKL	)HA. )	oma co Commi	orpor/ Ssion	ATION
		<u> </u>		SPU	DATE 1	1-5-2016		_			640 Acres	s	<b></b>
SERVICE WELL			ONTAL HOLE		G FINISHED						1		
If directional or horizontal, see r				DATE		2-5-201							
	SEC 8		RGE 15W	СОМ	PLETION	1-1-2017	,			1			+
LEASE NAME Cherry Mash			NO. 8-1H	1st P	ROD DATE 1	-5-2017		-		+	<u> </u>		
N2 1/4 SE 1/4 SW	V 1/4 SE 1/4 FSL OF 1/4 SEC	437	FEL OF 16	50 RECO	OMP DATE			~~	_				E
ELEVATIO 23 Grour N Derrick	nd 1781 Latitude (	(if known) 35	.87097480	1°N <sup>Longi</sup> (if kno	tude own) 98.814	4887596	°W			+			
OPERATOR NAME Carrera Ene	ergy, LLC			OTC/OCC	<sub>R NO.</sub> 235								
ADDRESS 901 Missour				01 210110								0	
CITY Midland,	· · · · · · · · · · · · · · · · · · ·		STATE Texa		ZIP	79701							
COMPLETION TYPE	······		G & CEMENT							L	OCATE WI	ELL	
			TYPE	SIZE	WEIGHT	GRADE	1	EET		PSI	SAX	TOP OF	СМТ
MULTIPLE ZONE Application Date		CONDI	JCTOR	16	65	H-40	123					surface	
COMMINGLED Application Date	·	SURFA	CE	9.625	36	J-55	1515				480	surface	
OCATION	592 IO,	INTER	MEDIATE	3.320								54.7400	
NCREASED DENSITY		PRODU	JCTION	7.0	29	НСР	12442				1055	7624 0	BL
		LINER		4.5	11.6	HCP	11357-16	810			420	11357	
PACKER @ 11,520 BRAN			 ∂)	TYPE		PLUG @					TOTAL	16,816	
PACKER @BRAN	D & TYPE	PLUG (				-		(PE _		-	DEPTH		
COMPLETION & TEST DAT	A BY PRODUCING FORM	ATION	<u>351m</u>	SSLI	<u>n</u>					_			
ORMATION	Mississippian Lin			_							$-\mathcal{K}$	eporte	d
DRDER NUMBER CLASS: Oil, Gas, Dry, Inj,	640 ac_93523 & 585	396			-						/	o Frac	Foculs
Disp, Comm Disp, Svc	Gas												
PERFORATED	16,697-12,469												
NTERVALS													
	15% HCL 1495 bbls	<u> </u>		_									
RACTURE TREATMENT	305,153 bbls slick wt	tr		_	_							-	
	2,264,760 lbs 100 ms	sh											
	5,884,400 lbs 40/70				;								
		Allowabie OR	(165:1	0-17-7)			Purchaser/Me	asurer		Ena			
NITIAL TEST DATA			165:10-13-3)			rirst	Sales Date			1-1	1-2017		
ITIAL TEST DATE	1-12-2017	2-22	-2017										
IL-BBL/DAY	63	83											
DIL-GRAVITY ( API)	52.9° @ 60°F		9° @ 60°I	=	1		//////	$\overline{m}$			7/17/	///	
GAS-MCF/DAY	4377	625			%								
	69476 / 1				—Ø	IVC	; Cl	IR	M	T	TEC	K	
AS-OIL RATIO CU FT/BB		1 75	110 / 1		—1/2			<b>, n</b>				<u> </u>	
												771	
VATER-BBL/DAY	120	511	_		7	/////	//////	////			/////		
VATER-BBL/DAY	120 Flowing	511	wing				//////				////	///	
VATER-BBL/DAY PUMPING OR FLOWING NITIAL SHUT-IN PRESSURE	120 Flowing 5000 psi	511 Flo	wing										
VATER-BBL/DAY PUMPING OR FLOWING NITIAL SHUT-IN PRESSURE SHOKE SIZE	120 Flowing 5000 psi 11/64	511 Flo	owing 64										
CHOKE SIZE	120 Flowing 5000 psi 11/64 4680 psi	511 Flo	64 50 psi										
WATER-BBL/DAY PUMPING OR FLOWING NITIAL SHUT-IN PRESSURE SHOKE SIZE	120 Flowing 5000 psi 11/64 4680 psi ed through, and pertinent rem	511 Flo 15/ 38 narks are pre- supervision a	64 50 psi sented on the rund direction, wi	th the data	eclare that I ha	ave knowled	dge of the cont	ect, and co	mplete to	the be	st of my kno	owledge and I	ration belief.
WATER-BBL/DAY PUMPING OR FLOWING NITIAL SHUT-IN PRESSURE CHOKE SIZE FLOW TUBING PRESSURE A record of the formations drill	120 Flowing 5000 psi 11/64 4680 psi ed through, and pertinent rem hepared by me or under my	511 Flo 15/ 38 narks are pre- supervision a	64 50 psi sented on the r ind direction, wi rd L. Wrigh	th the data	and facts stat	ed herein to	dge of the cont	ect, and co	-23-201	the be 74	st of my kno 32 695 6	owledge and i 970	belief.
NATER-BBL/DAY PUMPING OR FLOWING NITIAL SHUT-IN PRESSURE CHOKE SIZE FLOW TUBING PRESSURE A record of the formations drille to make thil report, which was	120 Flowing 5000 psi 11/64 4680 psi ed through, and pertinent rem hepared by me or under my	511 Flo 15/ 38 narks are pre- supervision a	64 50 psi sented on the r ind direction, wi rd L. Wrigh	th the data t AME (PRIN	eclare that I ha and facts stat	ed herein to	ige of the control of	ect, and co	-23-201 DA	the be	st of my kno 32 695 6 Pi	owledge and I	belief.

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# 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.

- - -

7,020 7,050	
7 050	
11,000	
7,475	APPROVED DISAPPROVED
7,702	2) Reject Codes
8,106	
1 <sup>1</sup>	
1 · · · ·	
1 · · · · · · · · · · · · · · · · · · ·	
1 <sup>2</sup>	
	Were open hole logs run?yes X no Per (
1 · · ·	Date Last log was run
10,983	Were open noie logs run? yesno  Perf    Date Last log was run yesno  at what depths?    Was CO2 encountered? yesno  at what depths?
10,081	Was H <sub>2</sub> S encountered? yes X no at what depths?
	Were unusual drilling circumstances encountered?
	7,702 8,106 8,228 8,436 8,740 8,830 8,915 9,156 9,502 9,628 9,750 10,000 10,983

LEASE NAME Cherry Mash

WELL NO. 8-1H

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### BOTTOM HOLE LOCATION FOR DIRECTIONAL HOLE

SEC	TWP	RGE	COU	NTY			
Spot Lo	ocation 1/4	1/4	1/4		Feet From 1/4 Sec Lines	FSL	FWL
Measur	ed Total Depth	Ť	True Vertical Depth		BHL From Lease, Unit, or Pro	perty Line:	

BOTTOM HOLE LOCATION FOR HORIZONTAL HOLE: (LATERALS)

### LATERAL #1

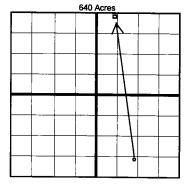
SEC 8	TWP 16N		RGE	15W	COUNTY Dev	vey		1981
Spot Locat NE	ion 1/4	NW	1/4	NW 1/4	NE 1/4	Feet From 1/4 Sec Lines	FNL 165.4'	FWL 1980.6'
Depth of Deviation	11,478			Radius of Turn	482' 10°	Direction 355.89° 356	Total Length 4686.21	1
Measured	Total Depth			True Vertical De	pth	BHL From Lease, Unit, or Prope	rty Line:	
16,816				12,094 a	vg	165.4' FNL & 1980.6 FEL	_	

#### LATERAL #2

SEC	TWP	RGE	co	UNTY			
Spot Loca	tion 1/4	1/4	1/4	1/4	Feet From 1/4 Sec Lines	FSL	FWL
Depth of Deviation	····	1	Radius of Turn		Direction	Total Length	I
Measured	Total Depth		True Vertical Depth		BHL From Lease, Unit, or Pro	pperty Line:	

# LATERAL #3

SEC	TWP	RGE		COUNTY			
Spot Locati	on 1/4	1/4	1/4	1/4	Feet From 1/4 Sec Lines	FSL	FWL
Depth of Deviation			Radius of Turn		Direction	Total Length	
Measured 1	otal Depth		True Vertical Dep	oth	BHL From Lease, Unit, or Pr	roperty Line:	



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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

	 	-000		
			_	
			_	

PI 10. <b>35</b> 043 23482	PLEASE TYPE OR USE			ela			KUE	jCl	ALVIED	Form 1002
DTC PROD NIT NO. 043218169	Attach copy of or		O	Oil & G	as Conservat			FEB 9	7 2017	Rev. 20
	if recompletion				st Office Box City, Oklahon	52000 na 73152-2000				1016
ORIGINAL AMENDED (Reason)				CON	Rule 165:10		OKLAH	OMA C COMM	ORPORATION	
YPE OF DRILLING OPERA STRAIGHT HOLE SERVICE WELL		HORIZONTAL HOLE			1-5-2016			640 Acr	res	
	e reverse for bottom hole location.		DATE		12-5-2016	3				
OUNTY Dewey	SEC 8 TV	<sup>VP</sup> 16N <sup>RGE</sup> 15W	DATE	OF WELL	1-1-2017					
EASE AME Cherry Mash		WELL NO. 8-1H	1st Pl	ROD DATE	1-5-2017					
N2 1/4 SE 1/4 S	W 1/4 SE 1/4 FSL OF 4	37 FEL OF 16	50 RECO	OMP DATE		W	/		E	
LEVATIO 23 Gro		nown) 35.87097480	1°N Longi	tude 98.81	14887596	w				
PERATOR			OTC/OCC							
DDDCCC			OPERATO	<sub>R NO.</sub> 235	514					
901 1015500	ILI	07475							0	
wildiand,		STATE Tex			79701		L Disco	LOCATE V	VELL	
OMPLETION TYPE SINGLE ZONE		CASING & CEMEN TYPE	T (Form 10 SIZE	02C must I WEIGHT		) FEET	PSI	SAX	TOP OF CMT	
MULTIPLE ZONE		CONDUCTOR			-		FOI	JAA		
Application Date COMMINGLED		SURFACE	16	65	H-40	123		100	surface	
Application Date	FOO TO	INTERMEDIATE	9.625	36	J-55	1515		480	surface	
ICREASED DENSITY	5592 <i>IO</i> ,	PRODUCTION		00	LIOF	40440		40	7004 071	
RDER NO.		LINER	7.0	29	HCP	12442		1055	7624 CBL	
1. N. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.			4.5	11.6	HCP	11357-16810	<u> </u>	420 TOTAL	11357 circ	
ACKER @ <u>11,520</u> BR/ ACKER @BR/	AND & TYPE Arrow AS1X		TYPE			TYPE		DEPTH	16,816	
	TA BY PRODUCING FORMA	PLUG®	TYPE		PLUG @	TYPE	-			
ORMATION	Mississippian Lime							+	Reported	
PACING & SPACING RDER NUMBER	640 ac_93523 & 58539							1	Fo Frac Form	5
LASS: Oil, Gas, Dry, Inj, Disp, Comm Disp, Svc	Gas									
	16,697-12,469									
ERFORATED										
				-						
CID/VOLUME	15% HCL 1495 bbls									
	305,153 bbls slick wtr									
RACTURE TREATMENT	2,264,760 lbs 100 msh									
	5,884,400 lbs 40/70									
	Min Gas All	owable (165:	10-17-7)		Gas P	urchaser/Measurer	Ena	able		
UTIAL TEOT DATE						Sales Date		1-2017	)	
IITIAL TEST DATA	Oil Allowab	1					<u> </u>			
IL-BBL/DAY	1-12-2017	2-22-2017								
	-63	83		-			mm	m		
IL-GRAVITY ( API)	52.9° @ 60°F	54.99° @ 60°	F	%						
AS-MCF/DAY	4377	6259			-	CIII	AIT	TE		
AS-OIL RATIO CU FT/BBL	69476 / 1	75,410 / 1		/	IA5	JUC				
ATER-BBL/DAY	120	511		/						
JMPING OR FLOWING	Flowing	Flowing		1	/////				////	
ITIAL SHUT-IN PRESSURE	5000 psi									
	11764	15/64								
	4680 psi	3850 psi								
	and the second	ks are presented on the	reverse. I de	clare that I	have knowled	ge of the contents of	this report and an	n authorized	d by my organization	
OW TUBING PRESSURE	lied through, and pertinent reman	pervision and direction, w	vith the data	and facts sta	ated herein to	be true, correct, and	complete to the b	est of my k	nowledge and belief.	
OW TUBING PRESSURE	s prepared by me or under my su		nt				2-23-2017 4 DATE		6970 PHONE NUMBER	
OW TUBING PRESSURE	s prepared by me or under my su	Richard L. Wrigh		IT OD TVO						
Nichard C. (	TURE	0	IAME (PRIN		E)	nwright@corr			PHONE NUMBER	
OW TUBING PRESSURE	TURE Midland,	0	IAME (PRIN	NT OR TYP s 79701 ZIP	E)	rwright@carr	eraenergy.co EMAIL ADD	m		$\sim$