## 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.: Drilling Finished Date: June 18, 2020

1st Prod Date: July 14, 2020

Completion Date: July 14, 2020

First Sales Date:

Drill Type: STRAIGHT HOLE

Well Name: AOSU 3-23 Purchaser/Measurer:

Location: STEPHENS 22 1S 5W

SE SE NE SW

1485 FSL 2475 FWL of 1/4 SEC

Derrick Elevation: 0 Ground Elevation: 1050

Operator: HAYS PRODUCTION LLC 21141

PO BOX 51 116 1ST ST

VELMA, OK 73491-0051

	Completion Type
Х	Single Zone
	Multiple Zone
	Commingled

Location Exception
Order No
There are no Location Exception records to display.

Increased Density
Order No
There are no Increased Density records to display.

		Cas	sing and Ceme	nt			
Туре	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
PRODUCTION	5.5	17	J-55	716	2000	180	SURFACE

			Liner				
Type Size Weight Grade		Length	PSI	SAX	Top Depth	Bottom Depth	
		There are	no Liner record	ds to displa	ay.		

Total Depth: 720

Pac	cker
Depth	Brand & Type
There are no Packe	er records to display.

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

				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 14, 2020	PERMIAN	4				25	PUMPING			

**Completion and Test Data by Producing Formation** 

August 05, 2020 1 of 2

NC	NE	NONE		
Acid V	olumes	Fracture Treat	iments	
205095	UNIT	622	632	
Order No	Unit Size	From	То	
Spacing	g Orders	Perforated Int	ervals	
Formation N	lame: PERMIAN	Code: 459PRMN	Class: OIL	
NONE		NONE		
	olumes	Fracture Trea	tments	
205095	UNIT	359	369	
Order No	Unit Size	From	То	
Spacing	g Orders	Perforated Int	rervals	
Formation Name: PERMIAN		Code: 459PRMN	Class: OIL	

Formation Top PERMIAN	Тор
	359
PERMIAN	620

Were open hole logs run? Yes

Date last log run:

Were unusual drilling circumstances encountered? No

Explanation:

Other	D	1
Otner	Kema	arks

There are no Other Remarks.

## FOR COMMISSION USE ONLY

1145431

Status: Accepted

August 05, 2020 2 of 2

UNIT NO.	Attach copy of if recompletion	•				Oil & Gas Post	Conservation Office Box 520	000					
X ORIGINAL	птесоприем	UII UI IEEI	my.				y, Oklahoma ( Rule 165:10-3-2						
AMENDED (Reason)							LETION REP						
TYPE OF DRILLING OPERATIO					SPUD	DATE	6-16-2	20			640 Acres		
X STRAIGHT HOLE SERVICE WELL	DIRECTIONAL HOLE	HORI	ZONTAL HOL	Æ		FINISHED							
If directional or horizontal, see r					DATE		6-18-2						
COUNTY STEPH	ENS SEC 22	TWP 015		5W		of Well Letion	7-14-2	20			<del>  </del>	<b> </b>	
LEASE NAME	AOSU		WELL NO.	3-23	1st PR	OD DATE	7-14-2	20					
SE 1/4 SE 1/4 NE	1/4 SW 1/4 FSL OF	1485	FWL OF	2475	RECO	MP DATE		v	<b>'</b>				_
ELEVATION Groun			104 000		Longite								
Derrick FL OPERATOR L	HAYS PRODUCTION				(if know	MI)	2114	_			•		
145-14HC	IATO PRODUCTIO			OPE	RATOR	NO.	2114						
ADDRESS		PO	BOX 51										
ату	VELMA		STATE		OK	ZIP	7349	1		L.	OCATE WE	LL	
COMPLETION TYPE		CASI	ING & CEME	NT (For	rm 100	2C must be	attached)					,	
X SINGLE ZONE		<b> </b>	TYPE	s	IZE	WEIGHT	GRADE	FEET		PSI	SAX	TOP OF	F (
Application Date		CON	DUCTOR										_
COMMINGLED Application Date		SURF	ACE										
LOCATION EXCEPTION ORDER NO.		INTER	RMEDIATE	7									
INCREASED DENSITY ORDER NO.		PROD	DUCTION	5	5.5	17#	J55	716		2000	180	SUF	RI
		LINE	र	1								<b> </b>	
DACKED @ DDAA	MD & TVDF	PLUG		L							TOTAL	72	0
PACKER @ BRAN		PLUG			TYPE		PLUG @	TYPE			DEPTH	L	_
COMPLETION & TEST DATA						· · · · ·	. 200 @			······			
FORMATION	PERMIAN	7	PERMIA	N							1	O FR	$\alpha$
SPACING & SPACING ORDER NUMBER	205095 Curit	1) 20	5095	Cunit	5			······································				<del></del>	
CLASS: Oil, Gas, Dry, Inj,	OIL	<del></del>	OIL	<del></del>					1	7-1	1 / 100		
LASO, CARRIED LISO, SVC	OiL.	i i	OIL		i		1		D-400 (f				
Disp, Comm Disp, Svc	359-369	<u> </u>	622-632	)		·- · · · · · · · · · · · · · · · · · ·					VE	<del>) -</del>	
PERFORATED	ļ			2						JEI I 1 G	2020		_
	359-369		622-632	2					JU	JEI L 16	V = 2020		
PERFORATED INTERVALS	359-369 4SPF		622-632 4SPF				-		JU	ma Coi	Doratio	D n	
PERFORATED	359-369		622-632					— K	JU klaho C	L 16 ma Colomniss	Doratio		
PERFORATED INTERVALS	359-369 4SPF MP N C		622-632 4SPF	ę.				— K	JU Klaho C	ma Coi	Doratio	n	
PERFORATED INTERVALS ACIDAVOLUME	359-369 4SPF		622-632 4SPF	ę.			-		JU dano C	ma Coi	Doratio	n	
PERFORATED INTERVALS  ACID/VOLUME  FRACTURE TREATMENT	359-369 4SPF MP N C		622-632 4SPF	ę.					JU daho C	ma Coi	Doratio	n	
PERFORATED INTERVALS  ACID/VOLUME  FRACTURE TREATMENT	359-369 4SPF 040 11 C 0011 C	Allowable	622-632 4SPF <i>none</i>	ę.	7)			haser/Measurer	JU Klaho C	ma Coi	Doratio	n	
PERFORATED INTERVALS  ACID/VOLUME  FRACTURE TREATMENT	359-369 4SPF 040 11 C 0011 C	Allowable OR	622-632 4SPF <i>none</i>	9 55:10-17-	7)		Gas Purc	haser/Measurer	JU Klaho C	ma Coi	Doratio	n	
PERFORATED INTERVALS  ACID/VOLUME  FRACTURE TREATMENT (Fluids/Prop Amounts)	359-369 4SPF <i>NAP N C</i> <i>NONE</i>	Allowable OR	622-632 4SPF <i>None</i>	9 55:10-17-	7)			haser/Measurer	JU Klaho C	ma Coi	Doratio	n	
PERFORATED INTERVALS  ACID/VOLUME  FRACTURE TREATMENT (Fluids/Prop Amounts)	359-369 4SPF	Allowable OR	622-632 4SPF <i>None</i>	9 55:10-17-	7)			haser/Measurer	JU Klano C	ma Coi	Doratio	n	
PERFORATED INTERVALS  ACID/VOLUME  FRACTURE TREATMENT (Fluids/Prop Amounts)  INITIAL TEST DATA INITIAL TEST DATE  OIL-BBL/DAY	359-369 4SPF  NA N C  NONE  Min Gas  Oil Allow 7/14/2020	Allowable OR	622-632 4SPF <i>None</i>	9 55:10-17-	7)			haser/Measurer	JU.	ma Coi	Doratio	n	
PERFORATED INTERVALS  ACIDA/OLUME  FRACTURE TREATMENT (Fluids/Prop Amounts)  INITIAL TEST DATA INITIAL TEST DATE  OIL-BBI/DAY  OIL-GRAVITY ( API)	359-369 4SPF  NA N C  NONE  Min Gas  OH Allow  7/14/2020 4	Allowable OR	622-632 4SPF <i>None</i>	9 55:10-17-	77)			haser/Measurer	JU.	ma Coi	Doratio	n	
PERFORATED INTERVALS  ACID/VOLUME  FRACTURE TREATMENT (Fluids/Prop Amounts)  INITIAL TEST DATA INITIAL TEST DATE  OIL-BBL/DAY  OIL-GRAVITY ( API)  GAS-MCF/DAY	359-369 4SPF  NA N C  NONE  Min Gas  Oil Allow 7/14/2020	Allowable OR	622-632 4SPF <i>None</i>	9 55:10-17-	77)			haser/Measurer	JU Klaho C	ma Coi	Doratio	n	
PERFORATED INTERVALS  ACID/VOLUME  FRACTURE TREATMENT (Fluids/Prop Amounts)  INITIAL TEST DATA INITIAL TEST DATE  OIL-BBL/DAY  OIL-GRAVITY ( API)  GAS-MCF/DAY  GAS-OIL RATIO CU FT/BBL	359-369 4SPF  AR A C  AR A C  Min Gas  Oil Allow 7/14/2020 4	Allowable OR	622-632 4SPF <i>None</i>	9 55:10-17-	77)			haser/Measurer	JU Klaho C	ma Coi	Doratio	n	
PERFORATED INTERVALS  ACID/VOLUME  FRACTURE TREATMENT (Fluids/Prop Amounts)  INITIAL TEST DATA INITIAL TEST DATE  OIL-BBL/DAY  OIL-GRAVITY ( API)  GAS-MCF/DAY	359-369 4SPF  NAR R C  NONE  Min Gas  Oil Allow  7/14/2020 4  0  25	Allowable OR	622-632 4SPF <i>None</i>	9 55:10-17-	77)			haser/Measurer	JU	ma Coi	Doratio	n	
PERFORATED INTERVALS  ACID/VOLUME  FRACTURE TREATMENT (Fluids/Prop Amounts)  INITIAL TEST DATA INITIAL TEST DATE  OIL-BBL/DAY  OIL-GRAVITY ( API)  GAS-MCF/DAY  GAS-OIL RATIO CU FT/BBL	359-369 4SPF  NAR R C  NONE  Min Gas  Oil Allow  7/14/2020 4  0  25	Allowable OR	622-632 4SPF <i>None</i>	9 55:10-17-	77)			haser/Measurer	JU daho C	ma Coi	Doratio	n	
PERFORATED INTERVALS  ACID/VOLUME  FRACTURE TREATMENT (Fluids/Prop Amounts)  INITIAL TEST DATA INITIAL TEST DATE  OIL-BBI/DAY  OIL-GRAVITY ( API)  GAS-MCF/DAY  GAS-OIL RATIO CU FT/BBI. WATER-BBI/DAY	359-369 4SPF  AR A C  AR A C  Min Gas  Oil Allow 7/14/2020 4	Allowable OR	622-632 4SPF <i>None</i>	9 55:10-17-	77)			haser/Measurer	JU	ma Coi	Doratio		
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PERFORATED INTERVALS  ACID/VOLUME  FRACTURE TREATMENT (Fluids/Prop Amounts)  INITIAL TEST DATA INITIAL TEST DATE  OIL-BBL/DAY  OIL-GRAVITY ( API)  GAS-MCF/DAY  GAS-OIL RATIO CU FT/BBL.  WATER-BBL/DAY  PUMPING OR FLOWING INITIAL SHUT-IN PRESSURE	359-369 4SPF  NAR R C  NONE  Min Gas  Oil Allow  7/14/2020 4  0  25	Allowable OR	622-632 4SPF <i>None</i>	9 55:10-17-	77)			haser/Measurer	JU	ma Coi	Doratio	n	
PERFORATED INTERVALS  ACID/VOLUME  FRACTURE TREATMENT (Fluids/Prop Amounts)  INITIAL TEST DATA  INITIAL TEST DATE  DIL-BBIL/DAY  OIL-GRAVITY ( API)  GAS-MCF/DAY  GAS-OIL RATIO CU FT/BBIL  WATER-BBIL/DAY  PUMPING OR FLOWING  INITIAL SHUT-IN PRESSURE  CHOKE SIZE  FLOW TUBING PRESSURE	359-369 4SPF  ASPF  ASPR  ASPR	Allowable OR rabbe	622-632 4SPF <i>NONE</i> (165:10-13-3	\$ \$55:10-17- \$)			First Sale	haser/Measurer		omar Col	poratio		
PERFORATED INTERVALS  ACID/VOLUME  FRACTURE TREATMENT (Fluids/Prop Amounts)  INITIAL TEST DATA  INITIAL TEST DATE  DIL-BBL/DAY  OIL-GRAVITY ( API)  GAS-MCF/DAY  GAS-OIL RATIO CU FT/BBL.  WATER-BBL/DAY  PUMPING OR FLOWING  INITIAL SHUT-IN PRESSURE  CHOKE SIZE	359-369 4SPF  MR N C  Min Gas  Oil Allow 7/14/2020 4  0  25  Pumping 0	Allowable OR rabble	622-632 4SPF <i>None</i> (165:10-13-2	55:10-17-	o Idea	lare that I hav	First Sale	chaser/Measurer		omar Col	poratio		zatibe
PERFORATED INTERVALS  ACID/VOLUME  FRACTURE TREATMENT (Fluids/Prop Amounts)  INITIAL TEST DATA  INITIAL TEST DATE  OIL-BBIL/DAY  OIL-GRAVITY ( API)  GAS-MCF/DAY  GAS-OIL RATIO CU FT/BBIL  WATER-BBIL/DAY  PUMPING OR FLOWING  INITIAL SHUT-IN PRESSURE  CHOKE SIZE  FLOW TUBING PRESSURE  A record of the formations drift to make this report, which was	359-369 4SPF  MIN A C  MIN Gas  Oil Allow 7/114/2020 4  0  25  Pumping 0	Allowable OR rabble	622-632 4SPF <i>None</i> (165:10-13-2	2 55:10-17- 3)	e. I dec	dare that I have not facts state.	First Sale	chaser/Measurer	this repc	omar Col	Poratio		bei
PERFORATED INTERVALS  ACID/VOLUME  FRACTURE TREATMENT (Fluids/Prop Amounts)  INITIAL TEST DATA  INITIAL TEST DATE  DIL-BBIL/DAY  OIL-GRAVITY ( API)  GAS-OIL RATIO CU FT/BBIL  WATER-BBIL/DAY  PUMPING OR FLOWING  INITIAL SHUT-IN PRESSURE  CHOKE SIZE  FLOW TURING PRESSURE  A record of the formations drift to make this report, which was	359-369 4SPF  ARRE  Min Gas  Oil Allow 7/114/2020 4  0  25  Pumping 0  lied through, and pertinent respressed by me or under my	Allowable OR rabble	622-632 4SPF <i>None</i> (165:10-13-2	ss:10-17- s)	e. I dec	nd facts state	First Sale	chaser/Measurer	this repc	omar Colommiss  at and am at the to the best/14/2020  DATE	poratio lion uthorized by t of my know ) 58	my organiz redge and 1 0-656-8 ONE NUM	5 5

## PLEASE TYPE OR USE BLACK INK ONLY FORMATION RECORD

3-23 AOSU Give formation names and tops, if available, or descriptions and thickness of formations drilled through. Show intervals cored or drillstern tested. WELL NO. LEASE NAME FOR COMMISSION USE ONLY NAMES OF FORMATIONS TOP PERMIAN 359 **□**NO TTD on file YES **PERMIAN** 620 DISAPPROVED APPROVED 2) Reject Codes Were open hole logs run? Date Last log was run s X no at what depths? Was CO2 encountered? Was H₂S encountered? Were unusual drilling circumstances encountered? If yes, briefly explain below: Other remarks: 640 Acres **BOTTOM HOLE LOCATION FOR DIRECTIONAL HOLE** COUNTY Feet From 1/4 Sec Lines Spot Location FWL 1/4 Measured Total Depth BHL From Lease, Unit, or Property Line: True Vertical Depth **BOTTOM HOLE LOCATION FOR HORIZONTAL HOLE: (LATERALS)** LATERAL #1 COUNTY RGE Spot Location Feet From 1/4 Sec Lines FSL FWL 1/4 1/4 Total Radius of Turn Direction Depth of Deviation If more than three drainholes are proposed, attach a Length separate sheet indicating the necessary information. Measured Total Depth True Vertical Depth BHL From Lease, Unit, or Property Line: Direction must be stated in degrees azimuth. Please note, the horizontal drainhole and its end point must be located within the boundaries of the LATERAL #2 TWP RGE COUNTY lease or spacing unit. SEC Directional surveys are required for all Spot Location 1/4 Feet From 1/4 Sec Lines FWL. FSL drainholes and directional wells. 1/4 1/4 Direction Total 640 Acres Radius of Turn Depth of Deviation Measured Total Depth BHL From Lease, Unit, or Property Line: True Vertical Depth SEC T COUNTY RGE 1/4 Feet From 1/4 Sec Lines Spot Location FWL FSL 1/4 1/4 1/4 Depth of Radius of Turn Total Length Measured Total Depth True Vertical Depth BHL From Lease, Unit, or Property Line: