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

Rule 165: 10-3-25

API No.: 35093252230000 **Completion Report** Spud Date: August 09, 2019

OTC Prod. Unit No.: 093-226502-0-0000 Drilling Finished Date: August 30, 2019

1st Prod Date: December 05, 2019

Completion Date: December 05, 2019

**Drill Type: HORIZONTAL HOLE** 

Min Gas Allowable: Yes

Well Name: LOST SOUL 21N-9W 11-1H Purchaser/Measurer: TARGA

Location: MAJOR 11 21N 9W First Sales Date: 01/12/2020

NE SE SW SW 356 FSL 1030 FWL of 1/4 SEC

Latitude: 36.3048398 Longitude: -98.1364619 Derrick Elevation: 1316 Ground Elevation: 1298

Operator: INTERSTATE EXPLORATIONS LLC 24089

PO BOX 984 301 E 18TH ST CISCO, TX 76437-0984

Completion Type								
Х	Single Zone							
	Multiple Zone							
	Commingled							

Location Exception
Order No
707624

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

Casing and Cement									
Type Size Weight Grade Feet PSI SAX Top of CM									
SURFACE	9.625	36	J-55	543		202	SURFACE		
PRODUCTION	7	29	P-110	7472		235	5066		

Liner									
Type Size Weight Grade Length PSI SAX Top Depth Bottom De								Bottom Depth	
LINER	4.5	13.5	P-110	4997	0	365	7188	12185	

Total Depth: 12177

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** 

October 13, 2020 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
Feb 03, 2020	MISSISSIPPIAN	92	36	97	1054	2527	ESP		OPEN	240

## **Completion and Test Data by Producing Formation**

Formation Name: MISSISSIPPIAN

Code: 359MSSP

Class: OIL

Spacing Orders								
Order No	Unit Size							
697015	640							

Perforated Intervals							
From To							
8024	12058						

**Acid Volumes** 

1,033 BARRELS 15% HCL

Fracture Treatments
380,995 BARRELS SLICKWATER, 11,652,623 POUNDS PROPPANT

Formation	Тор
OSWEGO	6380
RED FORK	6707
MANNING	6959
MISSISSIPPI	7026

Were open hole logs run? No

Date last log run:

Were unusual drilling circumstances encountered? No Explanation:

#### Other Remarks

OCC - ESP IS ELECTRONIC SUBMERSIBLE PUMP

#### **Lateral Holes**

Sec: 11 TWP: 21N RGE: 9W County: MAJOR

NE NW NW NW

288 FNL 559 FWL of 1/4 SEC

Depth of Deviation: 6790 Radius of Turn: 1249 Direction: 4 Total Length: 4656

Measured Total Depth: 12188 True Vertical Depth: 7477 End Pt. Location From Release, Unit or Property Line: 288

# FOR COMMISSION USE ONLY

1145600

Status: Accepted

October 13, 2020 2 of 2

								ال بر	wit	red			
	_							ラント	ر بیزار	267	$\cap$		
API 093-25223	(PLEASE TYPE OR US	E BLACK INK ONLY)	c	OKLAHOMA CORPORATION COMMISSION					4-18-10				
OTC PROD. 093226502	7					lion Division	ı	Submitted 9-18-2020					
UNIT NO.				Oklahoma C	t Office Box ity. Oklahon		000		NO	N			
X ORIGINAL AMENDED (Reason)		Rule 165:10-3-25 COMPLETION REPORT											
	TYPE OF DRILLING OPERATION  STRAIGHT HOLE DIRECTIONAL HOLE X HORIZONTAL HOLE					SPUD DATE 8/9/2019					т		
STRAIGHT HOLE SERVICE WELL		_HORIZONTAL HOLE	DRLG FINISHED 8/30/2019				1		igspace				
If directional or horizontal, see r		P 21N RGE 9W		OF WELL		2019	<u> </u>						
		149511		PLETION						1 1			
NAME LU	OST SOUL 21N-9W	NO. 11-1		ROD DATE	12/3/	2019	w				E		
	V 1/4 SW 1/4 FSL OF 35	6 FSL 1/4 SEC 1030	TW RECO	OMP DATE Longitude									
Darrick FL 1316 KB Grou	und 1298 Latitude (if ki	nown) 36.304839	0 (	(if known)	-98.13 	64619	<u> </u>	<del>  </del>					
OPERATOR INT	TERSTATE EXPLORAT		TC / OCC PERATO		240	089	-	<del>1  </del>		<del>                                     </del>			
ADDRESS	1331 LA	MAR ST. STE.1	370			-	<u> </u>	M		<del>                                     </del>	$\vdash$		
CITY	HOUSTON	STATE	TX	ZIP	737	760	<u> </u>		OCATE WE				
COMPLETION TYPE		CASING & CEMENT (	Attach F	orm 1002C)						<del>, </del>			
X SINGLE ZONE		TYPE	SIZE	WEIGHT	GRADE		FEET	PSI	SAX	TOP OF (	CMT		
MULTIPLE ZONE Application Date		CONDUCTOR											
COMMINGLED Application Date	707624 F.O.	SURFACE	9.625	36	J-55		543		202	SURFA	CE		
ORDER NO.	700055	INTERMEDIATE	7	29	P-110	7	,472	<u> </u>	235	5,066			
INCREASED DENSITY ORDER NO.		PRODUCTION				.02							
		LINER	4.5	13.5	P-110	7182 1	2185	<u> </u>	365	7,175	5		
PACKER @BRAI	ND & TYPE	PLUG @			PLUG @	······································	ГҮРЕ		TOTAL DEPTH	12,18	8		
PACKER @BRAI		PLUG @			PLUG @		TYPE						
FORMATION	MISSISSIPPIAN	1 339 11192	<u>//-</u>						R	each.	14		
	<del> </del>								-   <u>-</u>	projec	210		
SPACING & SPACING ORDER NUMBER	(640) DEC. 697015								FI	ac to	eus		
CLASS: Oil, Gas, Dry, Inj.	/												
Disp. Comm Disp. Svc					+	<del></del>					$\dashv$		
	8024-12058								_		_		
PERFORATED							- 1						
INTERVALS			1								_		
			1										
ACID/VOLUME	1,033 bbls 15% HCL								i				
<del></del>	380,995 bbls			*******				-					
FRACTURE TREATMENT	slickwater					<u> </u>					$\dashv$		
(Fluids/Prop Amounts)	11,652,623# proppant												
	Min Gas Allov	vable (165:10-	17-7)		Gan Di	Jrchaser/M			L	raa			
	X OR	Vable (105.10-	11-11			ales Date	easure:		Ta: 1/12/	2020			
INITIAL TEST DATA	Oil Allowable	(165:10-13-3)									_		
INITIAL TEST DATE	2/3/2020			······································		.,					_		
OIL-BBL/DAY	92									<del></del> .	_		
OIL-GRAVITY ( API)	36												
GAS-MCF/DAY	97												
GAS-OIL RATIO CU FT/BBL	1054												
WATER-BBL/DAY	2527												
PUMPING OR FLOWING	ESP		7										
INITIAL SHUT-IN PRESSURE													

FLOW TUBING PRESSURE 240 A record of the formations drilled through, and pertinent remarks are presented on the reverse. I declare that I have knowledge of the contents of this report and am authorized by my organization to pract this report which was prepared by me or under my supervision and direction, with the data and facts stated herein to be true, correct, and complete to the best of my knowledge and belief.

MATT DAWSON

9/18/2020

(713) 308-4910 (713) 308-4910 PHONE NUMBER NAME (PRINT OR TYPE) DATE SIGNATURE 77010 HOUSTON  $\mathsf{TX}$ matt.dawson@ie-llc.net 1331 LAMAR ST. STE. 1370 CITY STATE ZIP EMAIL ADDRESS ADDRESS

CHOKE SIZE

Open

Form 1002A Rev. 2009

#### 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.

TOP
6,380
6,707
6959
7,026
į l
is electronic

K INK ONL PRD ons and thic	LY ckness of formations	;	LEASE NA	ME	LOST SOUL 21	1N-9W		WELL N	<b>1</b> 0	11-1H
ns and thic	TOP 6,380 6,707 6959 7,026		ITD on file	YE	FO	R COMMIS		· :		
is Ci	lectron	ic	Date Last to Was CO <sub>2</sub> e Was H <sub>2</sub> S er Were unusu If yes, brieff	encountered? incountered? ual drilling circ fly explain belo	yes yes cumstances encountered	X no		t depths? t depths? yet	s _X	_no
				(	,					
SEC SEC	HOLE LOCATION	FOR DI		COUNTY					<del></del> .	
Spot Locat	tion	<u></u>			Feet From 1/4 Sec Lic	200	FSL		FWL	
Measured	1/4 Total Depth	1/4	1/4 True Vertical Dept	1/4 oth	BHL From Lease, Uni		<u> </u>	lss		
LATERAL	TIMO	FOR HO		E: (LATERAL	<u> </u>			perex	u/bi t	•
SEC 11	TWP 21N	KGE	9W ] <sup>C</sup>	200N+1			AJOR	1:00		559
Spot Locati BE Depth of	1/4 <b>NW</b>	1/4	NW 1/4 Radius of Turn	NW 1/4	Feet From 1/4 Sec Lir		F8t 2 Total	288 fnl	111	. <u>,5€8 fwl</u>
Deviation	6,790 Total Depth	1	True Vertical Dept	1249	BHL From Lease, Uni	<del>2</del> 00	Length		4,65	6
	· - · - · · - ·	- 1	•	,	1		•			

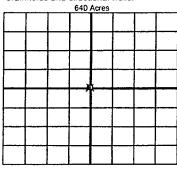
If more than three drainholes are proposed, attach a separate sheet indicating the necessary information

640 Acres

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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.



SEC	ITWP	IRGE	JCOUR
		ı	1

SEC	TWP	RGE	COUNTY				
Spot Local	ion 1/4	1/4	1/4	1/4	Feet From 1/4 Sec Lines	FSL	FWL
Measured	Total Depth		True Vertical Depth		BHL From Lease, Unit, or Pri	operty Line:	

## **BOTTOM HOLE LOCATION FOR HORIZ**

LATERAL	. #1										t	reexhibit Li
SEC 11	TWP	21N	RGE	9W	7	COUNTY					MAJOR	359
Spot Local	tion 1/4	NW	1/4	NW	1/4	NW	1/4	Feet From	1/4 Se	c Lines	£8£ 288	fnl FWL 558
Depth of Deviation		6,790		Radius of Tu	um	1249		Direction	4	360	Total Length	4,656
			True Vertical Depth			BHL From Lease, Unit, or Property Line:						
12,188				7,477			288 FNL					

SEC	TWP	RGE		COUNTY			
Spot Loc	cation 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	
		True Vertical Dep	th	BHL From Lease, Unit, or Pr	roperty Line:		

SEC	TWP	RGE	cc	UNTY			
Spot Loc	ation 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	
		True Vertical Depth		BHL From Lease, Unit, or Property Line:			

API NUMBER: 093 25223 Horizontal Hole Oil & Gas

is depth to top of ground water greater than 10ft below base of pit? Y

is located in a Hydrologically Sensitive Area.

Within 1 mile of municipal water well? Y Wellhead Protection Area? Y

Liner not required for Category: C Pit Location is AP/TE DEPOSIT Pit Location Formation: TERRACE

Category of Pit: C

#### OKLAHOMA CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION** P.O. BOX 52000 **OKLAHOMA CITY, OK 73152-2000** (Rule 165:10-3-1)

PUN 093-226502 Fred 1-2020

Approval Date: 04/25/2019

Expiration Date: 10/25/2020 spud 8-9-2019

## PERMIT TO DRILL

WELL LOCATION: SPOT LOCATION: Lease Name: I Operator Name:		SW FEET FRO	County: MAJ M QUARTER: FROM LINES: Well No:	SOUTH FROM 356 11-1H	WEST 1030 8178503600	Well will be	356 feet from nearest unit or lease boundary.  OTC/OCC Number: 24089 0	
INTERSTA PO BOX 9 CISCO ,	ATE EXPLORATIONS 184	LLC TX 76437	-0984		ROBERT D 47316 HIG MENO		FF & MILDRED L. RATZLAFF 2 OK 73760	
Formation(s)	(Permit Valid for Lis	ted Formations	s Only): Depth		Name		Depth	
1 1	MISSISSIPPIAN		6956		6			
2 V	VOODFORD		7586		7			
3					8			
4					9			
5					10			
Spacing Orders:	No Spacing		Location Exception	Orders:		lr	ncreased Density Orders:	
Pending CD Numb	ers: 201901901 201901900					S	Special Orders:	
Total Depth: 12	2850 Ground Ele	vation: 1299	Surface	Casing: 520	1	Depth	to base of Treatable Water-Bearing FM: 470	
Under Federal J	lurisdiction: No		Fresh Wate	r Supply Well Dril	led: No		Surface Water used to Drill: Yes	
PIT 1 INFORMAT	TION				Approved Method for di	isposal of Drillir	ing Fluids:	
Type of Pit Syster	n: CLOSED Closed Syster	n Means Steel Pits						
Type of Mud Syst	em: WATER BASED				D. One time land appli	ication (REQ	UIRES PERMIT) PERMIT NO: 19-36471	1
Chloridos May: 90	100 Augment £000				H. CLOSED SYSTEM	=STEEL PITS	(REQUIRED - FIELD RULE/ORDER 287231)	

## HORIZONTAL HOLE 1

**MAJOR** Twp 21N Sec 11 Rge 9W County

Spot Location of End Point: C N<sub>2</sub> NW NW

Feet From: NORTH 1/4 Section Line: 330 Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 7150 Radius of Turn: 600 Direction: 355

Total Length: 4757

Measured Total Depth: 12850 True Vertical Depth: 7937 End Point Location from Lease, Unit, or Property Line: 330

Notes:

Category

Description

HYDRAULIC FRACTURING

4/24/2019 - G71 - OCC 165:10-3-10 REQUIRES:

1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;

2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK:

OCCEWEB.COM/OG/OGFORMS.HTML; AND,

3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG

PENDING CD - 201901900 4/25/2019 - G58 - (640)(HOR) 11-21N-9W

EXT 651561 MSSP, WDFD POE TO BHL (MSSP) NCT 660' FB

POE TO BHL (WDFD) NCT 165' FSL & FNL, NCT 330' FWL, & FEL

(COEXIST SP ORDER 137690/138571 MPLM, MNNG; SP ORDER 147493 MPLM, MNNG; SP

ORDER 159447 MPLM, MNNG; SP ORDER 164256 MPLM, MNNG)

REC 04/16/2019 (P. PORTER)

PENDING CD - 201901901

4/25/2019 - G58 - (I.O.) 11-21N-9W

X201901900 MSSP, WDFD

COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FWL

NO OP NAMED

REC 04/16/2019 (P. PORTER)

PUBLIC WATER SUPPLY WELL

4/24/2019 - G71 - ENID - 1 PWS/WPA, SE/4 11-21N-9W