

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

Form 1002A

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  
 NE SE SW SW  
 356 FSL 1030 FWL of 1/4 SEC  
 Latitude: 36.3048398 Longitude: -98.1364619  
 Derrick Elevation: 1316 Ground Elevation: 1298

First Sales Date: 01/12/2020

Operator: INTERSTATE EXPLORATIONS LLC 24089  
 PO BOX 984  
 301 E 18TH ST  
 CISCO , TX 76437-0984

Completion Type	
X	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 CMT
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 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

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	Top
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



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.

LEASE NAME LOST SOUL 21N-9W WELL NO. 11-1H

NAMES OF FORMATIONS	TOP
OSWEGO	6,380
REDFORK	6,707
MANNING	6959
MISSISSIPPI	7,026

FOR COMMISSION USE ONLY

ITD on file  YES  NO

APPROVED \_\_\_\_\_ DISAPPROVED \_\_\_\_\_

2) Reject Codes

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Were open hole logs run? \_\_\_ yes  no

Date last log was run \_\_\_\_\_

Was CO<sub>2</sub> encountered? \_\_\_ yes  no at what depths? \_\_\_\_\_

Was H<sub>2</sub>S encountered? \_\_\_ yes  no at what depths? \_\_\_\_\_

Were unusual drilling circumstances encountered? \_\_\_ yes  no  
If yes, briefly explain below \_\_\_\_\_

Other remarks: OCC-ESP - is electronic submersible pump

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

640 Acres

<input checked="" type="checkbox"/>									

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


BOTTOM HOLE LOCATION FOR DIRECTIONAL HOLE

SEC	TWP	RGE	COUNTY
Spot Location		Feet From 1/4 Sec Lines	FSL
1/4	1/4	1/4	1/4
Measured Total Depth	True Vertical Depth	BHL From Lease, Unit, or Property Line:	

BOTTOM HOLE LOCATION FOR HORIZONTAL HOLE: (LATERALS)

LATERAL #1

SEC 11 TWP 21N RGE 9W COUNTY MAJOR *Per exhibit LE*

Spot Location	NE 1/4 NW 1/4 NW 1/4	Feet From 1/4 Sec Lines	Est. 288 fnl	FWL 559 fwl
Depth of Deviation	6,790	Radius of Turn	1249	Direction 4 .300
Measured Total Depth	12,188	True Vertical Depth	7,477	Total Length 4,656
		BHL From Lease, Unit, or Property Line: 288 FNL		

LATERAL #2

SEC	TWP	RGE	COUNTY
Spot Location		Feet From 1/4 Sec Lines	FSL
1/4	1/4	1/4	1/4
Depth of Deviation	Radius of Turn	Direction	Total Length
Measured Total Depth	True Vertical Depth	BHL From Lease, Unit, or Property Line:	

LATERAL #3

SEC	TWP	RGE	COUNTY
Spot Location		Feet From 1/4 Sec Lines	FSL
1/4	1/4	1/4	1/4
Depth of Deviation	Radius of Turn	Direction	Total Length
Measured Total Depth	True Vertical Depth	BHL From Lease, Unit, or Property Line:	

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

PUN 093-226502 Prod 1-2020

API NUMBER: 093 25223

Approval Date: 04/25/2019

Expiration Date: 10/25/2020

Horizontal Hole Oil & Gas

spud 8-9-2019

PERMIT TO DRILL

WELL LOCATION: Sec: 11 Twp: 21N Rge: 9W County: MAJOR  
SPOT LOCATION:  NE  SE  SW  SW FEET FROM QUARTER: FROM SOUTH FROM WEST  
SECTION LINES: 356 1030

Lease Name: LOST SOUL 21N-9W Well No: 11-1H Well will be 356 feet from nearest unit or lease boundary.  
Operator Name: INTERSTATE EXPLORATIONS LLC Telephone: 8178503600 OTC/OCC Number: 24089 0

INTERSTATE EXPLORATIONS LLC  
PO BOX 984  
CISCO, TX 76437-0984

ROBERT D. RATZLAFF & MILDRED L. RATZLAFF  
47316 HIGHWAY 412  
MENO OK 73760

Formation(s) (Permit Valid for Listed Formations Only):

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	6956	6	
2	WOODFORD	7586	7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201901901  
201901900

Special Orders:

Total Depth: 12850 Ground Elevation: 1299 Surface Casing: 520 Depth to base of Treatable Water-Bearing FM: 470

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 8000 Average: 5000

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 19-36471

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

H. CLOSED SYSTEM=STEEL PITS (REQUIRED - FIELD RULE/ORDER 287231)

Within 1 mile of municipal water well? Y

Wellhead Protection Area? Y

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

This permit does not address the right of entry or settlement of surface damages.  
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.  
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

HORIZONTAL HOLE 1

Sec 11 Twp 21N Rge 9W County MAJOR

Spot Location of End Point: C N2 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	<p>4/24/2019 - G71 - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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: <a href="http://OCCEWEB.COM/OG/OGFORMS.HTML">OCCEWEB.COM/OG/OGFORMS.HTML</a>; AND,</p> <p>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: <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></p>
PENDING CD - 201901900	<p>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 &amp; FNL, NCT 330' FWL, &amp; 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)</p>
PENDING CD - 201901901	<p>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)</p>
PUBLIC WATER SUPPLY WELL	<p>4/24/2019 - G71 - ENID - 1 PWS/WPA, SE/4 11-21N-9W</p>

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Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.