

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.: 35093252200001

Completion Report

Spud Date: September 02, 2019

OTC Prod. Unit No.: 093-2265320-0-0000

Drilling Finished Date: September 18, 2019

1st Prod Date: January 26, 2020

Completion Date: January 26, 2020

Drill Type: HORIZONTAL HOLE

Min Gas Allowable: Yes

Well Name: LIVIN LARGE 21N-9W 11-1H

Purchaser/Measurer: TARGA

Location: MAJOR 11 21N 9W
 NE SE SW SW
 356 FSL 1000 FWL of 1/4 SEC
 Latitude: 36.304838 Longitude: -98.136564
 Derrick Elevation: 1314 Ground Elevation: 1296

First Sales Date: 02/05/2020

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	
709400	

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	523		202	SURFACE
PRODUCTION	7	29	P-110	7548		235	5150

Liner								
Type	Size	Weight	Grade	Length	PSI	SAX	Top Depth	Bottom Depth
LINER	4.5	13.5	HCP-110	5213	0	555	6959	12172

Total Depth: 12190

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
Mar 05, 2020	MISSISSIPPIAN	233	38	243	1043	3103	ESP		open	220

Completion and Test Data by Producing Formation

Formation Name: MISSISSIPPIAN

Code: 359MSSP

Class: OIL

Spacing Orders

Order No	Unit Size
697076	640

Perforated Intervals

From	To
7690	12025

Acid Volumes

1,206 BARRELS 15% HCL

Fracture Treatments

474,111 BARRELS SLICKWATER, 11,633,672 POUNDS PROPPANT

Formation	Top
OSWEGO	6385
RED FORK	6760
MANNING	6882
MISSISSIPPI	7036

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: 15 TWP: 21N RGE: 9W County: MAJOR

SW SE SE SE

200 FSL 413 FEL of 1/4 SEC

Depth of Deviation: 6696 Radius of Turn: 1119 Direction: 182 Total Length: 5433

Measured Total Depth: 12190 True Vertical Depth: 7304 End Pt. Location From Release, Unit or Property Line: 200

FOR COMMISSION USE ONLY

1145602

Status: Accepted

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

PUN 093-226532 Prod 2-2020

API NUMBER: 093 25220 A

Approval Date: 04/16/2019
Expiration Date: 10/16/2020

Horizontal Hole Oil & Gas

Amend reason: CHANGE SHL, BHL, AND WELL #, UPDATE
ORDERS; CHANGE SURFACE OWNER

AMEND PERMIT TO DRILL

spud 9-2-2019
external data entry
7-7-20

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 1000

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

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

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

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	6854	6	
2	WOODFORD	7694	7	
3			8	
4			9	
5			10	

Spacing Orders: 697076 Location Exception Orders: Increased Density Orders:
Pending CD Numbers: 201901316 Special Orders:

Total Depth: 12861 Ground Elevation: 1298 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

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

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

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36470
H. CLOSED SYSTEM=STEEL PITS (REQUIRED - ORDER 287231)

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 15 Twp 21N Rge 9W County MAJOR

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 200

Feet From: EAST 1/4 Section Line: 400

Depth of Deviation: 6800

Radius of Turn: 397

Direction: 185

Total Length: 5437

Measured Total Depth: 12861

True Vertical Depth: 7694

End Point Location from Lease,
Unit, or Property Line: 200

Notes:

Category

Description

HYDRAULIC FRACTURING

4/12/2019 - 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 - 201901316

7/24/2019 - GB1 - (I.O.) 15-21N-9W
X697076 MSSP, WDFD
COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 330' FEL
NO OP. NAMED
REC. 3/26/2019 (M. PORTER)

PUBLIC WATER SUPPLY WELL

4/12/2019 - G71 - ENID - 1 PWS/WPA, NE/4 14-21N-9W

SPACING - 697076

7/24/2019 - GB1 - (640)(HOR) 15-21N-9W
EXT 687019 MSSP, WDFD
COMPL. INT. (WDFD) NCT 165' FNL/FSL, NCT 330' FEL/FWL
COMPL. INT (MSSP) NCT 660' FB
(COEXIST SP ORDER #75566 MNNG, MSSP)

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MISSISSIPPI	7036

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