

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.: 35051208680001

Completion Report

Spud Date: June 17, 1979

OTC Prod. Unit No.:

Drilling Finished Date: July 23, 1979

Amended

1st Prod Date: August 08, 1979

Amend Reason: RE-FRAC WELL

Completion Date: August 11, 1979

Recomplete Date: October 07, 1979

Drill Type: STRAIGHT HOLE

Well Name: NORGE MARCHAND UNIT TR 45 2

Purchaser/Measurer: DCP MIDSTREAM /
SUNOCO

First Sales Date:

Location: GRADY 27 7N 8W
N2 SE NE NW
1905 FSL 2310 FWL of 1/4 SEC
Derrick Elevation: 1161 Ground Elevation: 1145

Operator: LIME ROCK RESOURCES II-A LP 22628

1111 BAGBY ST STE 4600
HOUSTON, TX 77002-2559

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

Casing and Cement							
Type	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
SURFACE	9 5/8	36.0	LT & C	1045		550	SURFACE
PRODUCTION	7	23 / 26	LT & C	10620		300	9600

Liner								
Type	Size	Weight	Grade	Length	PSI	SAX	Top Depth	Bottom Depth
There are no Liner records to display.								

Total Depth: 10620

Packer		Plug	
Depth	Brand & Type	Depth	Plug Type
There are no Packer records to display.		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
There are no Initial Data records to display.										

Completion and Test Data by Producing Formation			
Formation Name: MARCHAND		Code: 405MRCD	Class: OIL
Spacing Orders		Perforated Intervals	
Order No	Unit Size	From	To
There are no Spacing Order records to display.		10455	10517
Acid Volumes		Fracture Treatments	
82 GALLONS PARAFFIN SOLVENT AND 1,250 GALLONS 7.5% HCL		1,000 GALLONS .25% MESH, 500 GALLONS 0.5% 100 MESH, 90 BARRELS 7.5% HCL, 31,800 POUNDS 100 MESH, 90,780 POUNDS 30/50 MESH, 54,020 POUNDS 20/40 MESH WHITE SAND	

Formation	Top
UPPER OOLITIC	7900
UPPER WADE	8430
LOWER WADE	8654
MEDRANO	9120
COTTAGE GROVE	9582
LAYTON	9884
HOGSHOOTER	10240
MARCHAND	10456

Were open hole logs run? No
Date last log run:

Were unusual drilling circumstances encountered? No
Explanation:

Other Remarks
FILING COMPLETION PACKAGE TO DOCUMENT RE-FRAC OPERATIONS (JUNE 26, 2017 - OCTOBER 6, 2017).

FOR COMMISSION USE ONLY	
Status: Accepted	1138340

API NO. 35-051-20868
OTC PROD.
UNIT NO.

PLEASE TYPE OR USE BLACK INK ONLY

NOTE:

Attach copy of original 1002A
if recompletion or reentry.

OKLAHOMA CORPORATION COMMISSION

Oil & Gas Conservation Division

Post Office Box 52000

Oklahoma City, Oklahoma 73152-2000

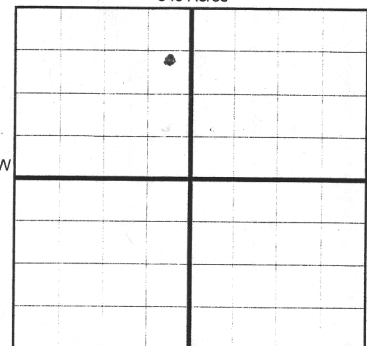
Rule 165:10-3-25

RECEIVED

NOV 06 2017

OKLAHOMA CORPORATION
COMMISSION

640 Acres



LOCATE WELL

☐ ORIGINAL
☒ AMENDED (Reason)

Re-Frac Well

COMPLETION REPORT

TYPE OF DRILLING OPERATION

☒ STRAIGHT HOLE ☐ DIRECTIONAL HOLE ☐ HORIZONTAL HOLE
☐ SERVICE WELL

If directional or horizontal, see reverse for bottom hole location.

COUNTY	Grady	SEC	27	TWP	7N	RGE	8W
LEASE NAME	Norge-Marchand Unit			WELL NO.	45-2		
SE 1/4	NE 1/4	NW 1/4	1/4	E 1/4 OF 1/4 SEC	1905	W 1/4 OF 1/4 SEC	2310
ELEVATION	1161	Ground	1145	Latitude (if known)			
OPERATOR NAME	Lime Rock Resources II-A, LP			OTC/OCC OPERATOR NO.	22628		
ADDRESS	1111 Bagby St., Ste. 4600						
CITY	Houston		STATE	TX		ZIP	77002

COMPLETION TYPE

<input checked="" type="checkbox"/> SINGLE ZONE
<input type="checkbox"/> MULTIPLE ZONE
Application Date
COMMINGLED
Application Date
LOCATION
EXCEPTION ORDER
INCREASED DENSITY
ORDER NO.

CASING & CEMENT (Form 1002C must be attached)

TYPE	SIZE	WEIGHT	GRADE	FEET	PSI	SAX	TOP OF CMT
CONDUCTOR							
SURFACE	9-5/8	36.0	LT&C	1045		550	Surface
INTERMEDIATE							
PRODUCTION	7	23/26	LT&C	10620		300	9600'
LINER							

PACKER @ _____ BRAND & TYPE _____ PLUG @ _____ TYPE _____ PLUG @ _____ TYPE _____
PACKER @ _____ BRAND & TYPE _____ PLUG @ _____ TYPE _____ PLUG @ _____ TYPE _____

TOTAL DEPTH 10620

COMPLETION & TEST DATA BY PRODUCING FORMATION

FORMATION	Marchand
SPACING & SPACING ORDER NUMBER	unit
CLASS: Oil, Gas, Dry, Inj, Disp, Comm Disp, Svc	Oil
	10455'-517'
PERFORATED INTERVALS	
ACID/VOLUME	see addt'l page 82 gal Paraffin Solvent + 1250 gals 7.5% HCL
FRACTURE TREATMENT (Fluids/Prop Amounts)	see addt'l page 100 gals. 25% mesh, 500 gals 0.5% 100 mesh 90 bbls 7.5% HCL, 31,800 lbs 100 mesh, 90,780 lbs 20/40 mesh, 54020 lbs 20/40 mesh

Reported to Frac Focus

Min Gas Allowable (165:10-17-7)

OR

Oil Allowable (165:10-13-3)

Gas Purchaser/Measurer

First Sales Date

DCP Midstream/Sunoco 20/40 mesh White Squad

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
CHOKE SIZE
FLOW TUBING PRESSURE

AS SUBMITTED

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 make 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.

Carla Martin

Carla Martin/Reg. Tech

10/31/17 713/292-9510

SIGNATURE

NAME (PRINT OR TYPE)

DATE PHONE NUMBER

1111 Bagby St., Ste. 4600

Houston TX 77002

cmartin@limerockresources.com

ADDRESS

CITY

STATE

ZIP

EMAIL ADDRESS

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.

NAMES OF FORMATIONS	TOP
U. Oolitic	7900'
U. Wade	8430'
L. Wade	8654'
Medrano	9120'
Cottage Grove	9582'
Layton	9884'
Hogshooter	10240'
Marchand	10456'

LEASE NAME Norge-Marchand Unit

WELL NO. 45-2

FOR COMMISSION USE ONLY	
ITD on file <input type="checkbox"/> YES <input type="checkbox"/> NO	
APPROVED _____	DISAPPROVED _____
2) Reject Codes	

Were open hole logs run?	_____ yes <input checked="" type="checkbox"/> no
Date Last log was run	_____
Was CO ₂ encountered?	_____ yes <input checked="" type="checkbox"/> no at what depths? _____
Was H ₂ S encountered?	_____ yes <input checked="" type="checkbox"/> no at what depths? _____
Were unusual drilling circumstances encountered?	_____ yes <input checked="" type="checkbox"/> no
If yes, briefly explain below	

Other remarks:

Filing completion package to document re-frac operations (6/26/17 - 10/6/17).

640 Acres

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			
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	TWP	RGE	COUNTY
Spot Location			
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 #2

SEC	TWP	RGE	COUNTY
Spot Location			
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			
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:

Image Q 1002A

NORGE-MARCHAND UNIT 45-2
NORGE-MARCHAND FIELD
35-051-20868
GRADY CO., OK

FORM 1002A – COMPLETION PACKAGE ADDENDUM

1002A - Completion & Test Data by Producing Formation section

Perfs: 10455'-517'

Aug 1979 (prev. operator):

Acid/Volume: 6000 gal 15% HCl + 6 bbls acid + 58 bbls LSW (flush)

Fracture Treatment: 10K gal pad, 40K gal gel oil & 60K# 20/40 Sand

Dec. 2011 (prev. operator):

Acid/Volume: 143 bbls 15% acid, 1500 gal mutual solvent & 80 bbls LSW
(flush)

Oct. 2017 (Lime Rock):

Acid/Volume: 82 gal paraffin solvent & 1250 gal 7.5% HCl

Fracture Treatment: 1000 gal .25% mesh, 500 gal .5% 100 mesh, 90 bbls
7.5% HCl, 31800# 100 mesh, 90780# 30/50 mesh &
54020# 20/40 white sand

\clm

R:\15-Field Operations\Norge\WFs\OperatedWells\OK\ActiveWells\NMU 45-2\Regulatory\CompletionPkgs\ReFrac-Oct2017\Form1002AAddendum