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

Rule 165: 10-3-25

API No.: 35053230150001 Completion Report Spud Date: December 20, 2012

OTC Prod. Unit No.: 053-209932 Drilling Finished Date: January 22, 2013

1st Prod Date: March 29, 2013

Completion Date: March 29, 2013

Drill Type: HORIZONTAL HOLE

Min Gas Allowable: Yes

Well Name: RETHA 1-31H

Purchaser/Measurer: SUPERIOR

Location: GRANT 31 25N 4W First Sales Date: 03/29/2013

GRANT 31 25N 4W First Sales Date: 03/29/2013 SW SE SE SW 200 FSL 2142 FWL of 1/4 SEC

Operator: PLYMOUTH EXPLORATION LLC 22491

Derrick Elevation: 1080 Ground Elevation: 1065

110 W 7TH ST STE 2600 TULSA, OK 74119-1031

	Completion Type				
Х	Single Zone				
Multiple Zone					
	Commingled				

Location Exception			
Order No			
595493			
610847			

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

Casing and Cement							
Туре	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
SURFACE	9 5/8	36	J-55	530		245	SURFACE
INTERMEDIATE	7	29	N-80	6465	700	280	4465

Liner								
Type Size Weight Grade Length PSI SAX Top Depth Bottom Depth							Bottom Depth	
LINER	4.5	11.6	N-80	3837	1850	400	6383	10220

Total Depth: 10222

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

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

May 10, 2013 1 of 2

	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
Apr 19, 2013	MISSISSIPPI	100		174	1740	2753	PUMPING			

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

Formation Name: MISSISSIPPI

Code: 351MISS

Class: OIL

Spacing Orders				
Order No	Unit Size			
579402	640			

Perforated Intervals				
From To				
6500	10182			

Acid Volumes 165,000 15% HCL

Fracture Treatments

11 STAGES - 290,196 POUNDS 40/70 SAND, 64,747
BARRELS WATER

Formation	Тор
MISSISSIPPIAN	5489

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

Were unusual drilling circumstances encountered? No Explanation:

Other	Ren	narks
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IRREGULAR SECTION.

## **Lateral Holes**

Sec: 31 TWP: 25N RGE: 4W County: GRANT

SW NE NE NW

333 FNL 2190 FWL of 1/4 SEC

Depth of Deviation: 5064 Radius of Turn: 716 Direction: 359 Total Length: 4733

Measured Total Depth: 10222 True Vertical Depth: 5744 End Pt. Location From Release, Unit or Property Line: 333

## FOR COMMISSION USE ONLY

1119090

Status: Accepted

May 10, 2013 2 of 2

64,747 bbls Water

AS SUBMITTED RECEIVE

Form 1002A Rev. 2009

NIT NO. 053 209932		or reenting.						AP	'R 26	2013
ORIGINAL AMENDED (Reason)			_		Rule 165:10		Ol		MA COR	RPORATION SION
YPE OF DRILLING OPERAT		THORIZONTAL HOLE	SPUD	DATE	12/20	/2012	]		640 Acres	
SERVICE WELL		_HORIZONTAL HOLE	DRLG	FINISHED	01/22	/2013				
OUNTY Gra	reverse for bottom hole location.  Int SEC 31 TW	P 25N RGE 4V		OF WELL	03/29					
EASE	Retha	WELL 1	31H 1st PF	PLETION ROD DATE	03/29					
AME SW 1/4 SE 1/4 SE	= 1/4 S\N 1/4 FSL OF	POO FWL OF 3	142 RECC		00,20	2010	w			
LEVATIO 1080 Grad	1/4 SEC	1/4 5EC	Longit							
Demck		_ <del>`</del>	(if kno	wn)	224	101				
AMEDDRESS	Plymouth Exploration,		OPERATOI	R NO.		181				
		7th Street, ST	_	, [					х	
HTY	Tulsa ————————	STATE	OK		741	119		L	OCATE WE	LL
OMPLETION TYPE		CASING & CEMEN	_							
X SINGLE ZONE MULTIPLE ZONE		TYPE	SIZE	WEIGHT	GRADE		FEET	PSI	SAX	TOP OF CMT
Application Date COMMINGLED		CONDUCTOR								
Application Date OCATION		SURFACE	9 5/8"	36	J-55	,	530'		245	Surface
CEPTION ORDER	595493	INTERMEDIATE	7	29	N-80		6465'	700	280	4465'
CREASED DENSITY RDER NO.		PRODUCTION				1:39	2-10220	The same of the sa		
		LINER	4.5	11.6	N-80	62	<b>2- 1022</b> 0 3786'	1850	400	
.CKER @ BRA	AND & TYPE	_PLUG @	TYPE		PLUG @		TYPE		TOTAL DEPTH	10,222
ACKER @BRA		PLUG @	TYPE		PLUG @		TYPE		Top of 6392 <b>'</b>	Liner
OMPLETION & TEST DA	TA BY PRODUCING FORMAT	1011 251171	<u>155</u>					<u>L</u>	0392	
PACING & SPACING	Mississippi 570402	_		_			Maa	1 6	12 -	115
RDER NUMBER LASS: Oil, Gas, Dry, Inj,	579402 (64) Oil	<u> </u>					THO MI	toi	Tape	ort to Fa
Disp, Comm Disp, Svc	6,500' - 10,182'	_				_			/	
ERFORATED	0,500 - 10,162					_				
ITERVALS										
CID/VOLUME	165,000 15% HCI									
	11 Stages									
RACTURE TREATMENT Fluids/Prop Amounts)	290,196# 40/70 Sand	-								
r					i					

INITIAL TEST DATA	Min Gas Allowab OR Oil Allowable	le (165:10-17-7)	Gas Purchaser/Measurer First Sales Date	Superior 3/29/2013
INITIAL TEST DATE	4/19/2013			
OIL-BBL/DAY	100			
OIL-GRAVITY ( API)				
GAS-MCF/DAY	174			
GAS-OIL RATIO CU FT/BBL				
WATER-BBL/DAY	2753			
PUMPING OR FLOWING				
INITIAL SHUT-IN PRESSURE				
CHOKE SIZE				_
FLOW TUBING PRESSURE				

				nowledge of the contents of this report and am authorized by my organization
to make this report, which was prepared by me or under my sup	ervision and directi	on, with the data ar	nd facts stated he	erein to be true, correct, and complete to the best of my knowledge and belief.
Kamelle Jones		Kamelle	Jones	4-24-13 918.599.1821
SIGNATURE/		NAME (PRINT	OR TYPE)	DATE PHONE NUMBER
110 W. 7th Street, STE 2600	Tulsa	OK	74119	kjones@plymouthgas.com
ADDRESS	CITY	STATE	ZIP	EMAIL ADDRESS

drilled thr	nation nam	ow interv	als con	available, or desc ed or drillstem te:	ECORD criptions and thic sted.	kness of formation	ns	LEASE N	AMÉ		Retha		WELL	. NO1-	31H
	OF FORM		413 001	ed or drinstern te	sied.	TOP					FOR	R COMMISS	SION USE ONLY		
Missis	sippian	1				5489' MD 5460' TVD		ITD on file		YES DISA	NO	2) Reject (	Codes		
									n hole logs ru	ın?	yes	Xno			
									log was run	_		x			
									encountered				at what depths?		
									encountered?		<del></del>	_		yes X n	_
								If yes, brie	sual drilling ci efly explain be	elow	stances encountere	ď?		yesn	10
Other rem	narke:														
Julei Tell															
				4.5											
						V8418.									
	E	340 Acres	s		POTTOM I	IOLE LOCATION	EOB D								
			_		BOTTOM		OND	RECTIONAL HO	LE						
		Х			SEC	TWP	RGE	RECTIONAL HO	COUNTY						
		х				TWP		RECTIONAL HO	COUNTY	F	eet From 1/4 Sec I	ines	ESI	EWI	
		х			SEC	TWP on 1/4		1/4	COUNTY		eet From 1/4 Sec L		FSL rty Line:	FWL	
		X			SEC Spot Location	TWP on 1/4	RGE	1/4	COUNTY					FWL	
		X			SEC Spot Location Measured T	TWP on 1/4	RGE	1/4 True Vertical De	COUNTY	В				FWL	
		X			SEC Spot Location Measured T BOTTOM H	TWP on 1/4 otal Depth	RGE	1/4 True Vertical De ORIZONTAL HO	pth LE: (LATERA	В		nit, or Prope	rty Line:	FWL	
	1	X			SEC Spot Location Measured T  BOTTOM H  LATERAL #  SEC 31	TWP on 1/4 otal Depth  IOLE LOCATION H TWP 25N	RGE	1/4 True Vertical De	COUNTY	ALS)	HL From Lease, Ur	nit, or Prope	rty Line:		
		X			SEC Spot Location Measured T  BOTTOM H  LATERAL #  SEC 31  Spot Location W2	TWP on 1/4 otal Depth  IOLE LOCATION IT TWP 25N on 1/4 NE	RGE	1/4 True Vertical De ORIZONTAL HO	pth LE: (LATERA COUNTY	ALS)	eet From 1/4 Sec Li	nit, or Prope	Grant FSL 333 FNL	FWL	
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