

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.: 35103244230000

**Completion Report**

Spud Date: September 21, 2012

OTC Prod. Unit No.: 103-209689

Drilling Finished Date: December 07, 2012

1st Prod Date: January 25, 2013

Completion Date: January 23, 2013

**Drill Type: HORIZONTAL HOLE**

Min Gas Allowable: Yes

Well Name: SERGE 1-4N

Purchaser/Measurer: PVR CHEROKEE GAS

Location: NOBLE 9 24N 1W  
W2 NE NE NW  
330 FNL 2250 FWL of 1/4 SEC  
Derrick Elevation: 0 Ground Elevation: 1010

First Sales Date: 01/25/2013

Operator: RANGE PRODUCTION COMPANY 22664

5600 N MAY AVE STE 350  
OKLAHOMA CITY, OK 73112-3967

Completion Type		Location Exception		Increased Density	
X	Single Zone	Order No		Order No	
	Multiple Zone	607987		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	J-55	321		225	SURFACE
PRODUCTION		7	23	P-110	5257		250	2977

Liner								
Type	Size	Weight	Grade	Length	PSI	SAX	Top Depth	Bottom Depth
LINER	4 1/2	11.6	P-110	4168	0	0	5165	

**Total Depth: 9515**

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
Jan 31, 2013	MISSISSIPPIAN	258		619	2399	580	PUMPING		64	72

Completion and Test Data by Producing Formation														
Formation Name: MISSISSIPPIAN	Code: 359MSSP	Class: OIL												
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <table border="1" style="width: 100%;"> <tr><th colspan="2">Spacing Orders</th></tr> <tr> <th>Order No</th><th>Unit Size</th></tr> <tr> <td>602500</td><td>640</td></tr> </table> </div> <div style="width: 45%;"> <table border="1" style="width: 100%;"> <tr><th colspan="2">Perforated Intervals</th></tr> <tr> <th>From</th><th>To</th></tr> <tr> <td colspan="2">There are no Perf. Intervals records to display.</td></tr> </table> </div> </div>			Spacing Orders		Order No	Unit Size	602500	640	Perforated Intervals		From	To	There are no Perf. Intervals records to display.	
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Fracture Treatments														
1,203,090 POUNDS 40/70, 533,544 POUNDS 20/40, 61,777 BARRELS RESIN														

Formation	Top
CHECKERBOARD	3657
BIG LIME	3799
OSWEGO	3869
RED FORK	4221
MISSISSIPPIAN	4535

Were open hole logs run? No

Date last log run:

Were unusual drilling circumstances encountered? No

Explanation:

Other Remarks
OCC - THIS WELL IS AN OPEN HOLE COMPLETION FROM THE BOTTOM OF THE 7" CASING AT 5,257' TO TERMINUS AT 9,515'. THE 4 1/2" LINER IS OPEN FROM 5,346' TO 9,319' BUT THE LINER IS NOT CEMENTED.

Lateral Holes
<p>Sec: 4 TWP: 24N RGE: 1W County: NOBLE</p> <p>NE NE NE NW</p> <p>208 FNL 2331 FWL of 1/4 SEC</p> <p>Depth of Deviation: 3583 Radius of Turn: 800 Direction: 356 Total Length: 4675</p> <p>Measured Total Depth: 9515 True Vertical Depth: 4262 End Pt. Location From Release, Unit or Property Line: 208</p>

FOR COMMISSION USE ONLY
<div style="display: flex; justify-content: space-between;"> <div>Status: Accepted</div> <div>1118090</div> </div>

API NO.  
103-24423  
OTC PROD. UNIT NO.  
103-209689

PLEASE TYPE OR USE BLACK INK ONLY  
NOTE:  
Attach copy of original 1002A if recompletion or reentry



RECEIVED  
Rev. 2007

FEB 11 2013

OKLAHOMA CORPORATION  
COMMISSION

☒ ORIGINAL  
☐ AMENDED

Reason Amended

TYPE OF DRILLING OPERATION

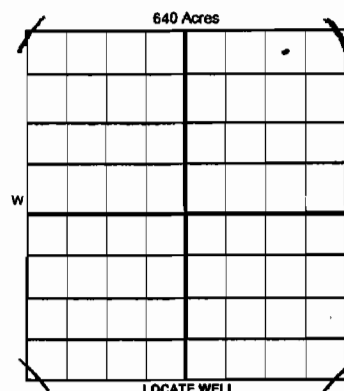
☐ STRAIGHT HOLE ☐ DIRECTIONAL HOLE ☒ HORIZONTAL HOLE  
☐ SERVICE WELL

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

COUNTY	NOBLE	SEC	9	TWP	24N	RGE	1W
LEASE NAME	SERGE		WELL NO.		1-4N		
SHL	W2 1/4 NE 1/4 NE 1/4 NW 1/4		FNL		FWL OF 1/4 SEC		
ELEVATION	1010'		Latitude if Known		Longitude if Known		
Derrick Fl	Ground		Operator Name		RANGE PRODUCTION COMPANY		
ADDRESS		5600 N. MAY, SUITE 350		OTC/OCC OPERATOR NO.		22664	
CITY	OKLAHOMA CITY		STATE	OK	ZIP	73112	

COMPLETION REPORT

SPUD DATE	9/21/2012
DRLG FINISHED	12/7/2012
WELL COMPLETION	1/23/2013
1ST PROD DATE	1/25/2013
RECOMP DATE	



COMPLETION TYPE

<input checked="" type="checkbox"/> SINGLE ZONE
<input type="checkbox"/> MULTIPLE ZONE
Application Date
<input type="checkbox"/> COMMINGLED
Application Date
LOCATION EXCEPTION ORDER NO.
602941
INCREASED DENSITY ORDER NO.

CASING & CEMENT (Form 1002C must be attached)

TYPE	SIZE	WEIGHT	GRADE	FEET	PSI	SAX	TOP
Conductor							
Surface	9 5/8"	38#	J-55	321'		225	SURFACE
Intermediate	7"	23#	P-110	5257'		250	2977'
Production							
Liner	4 1/2 "	11.6#	P-110	5165-9333'			

PACKER @ \_\_\_\_\_ BRAND & TYPE \_\_\_\_\_ PLUG @ \_\_\_\_\_ TYPE \_\_\_\_\_ PLUG @ \_\_\_\_\_ TYPE \_\_\_\_\_ TOTAL DEPTH 9515'

COMPLETION & TEST DATA BY PRODUCING FORMATION

FORMATION	MISSISSIPPIAN
SPACING & SPACING	
ORDER NUMBER	640 ACRES; 602500
CLASS: Oil, Gas, Dry, Inj, Disp, Comm Disp, Svc	OIL
PERFORATED INTERVALS	9349-9348" open hole
ACID/VOLUME	40,000 GALS. 7-1/2% HCL
Fracture Treatment (Fluids/Prop Amounts)	1,203,090# 40/70; 533,544# 20/40 RESIN; 61,777 BBLs.

Reported to Frac Focus  
Done 1-10-2013  
DKU

INITIAL TEST DATA	<input checked="" type="checkbox"/> Request minimum flow allowable (165:10-17-7)	Gas Purchaser/Measurer	PVR Cherokee Gas	1st Sales Date	1/25/2013
INITIAL TEST DATE	1/31/2013				
OIL-BBL/DAY	258				
OIL-GRAVITY ( API)					
GAS-MCF/DAY	619				
GAS-OIL RATIO CU FT/BBL	2399:01:00				
WATER-BBL/DAY	580				
PUMPING OR FLOWING	Pumping				
INITIAL SHUT-IN PRESSURE					
CHOKE SIZE	64				
FLOW TUBING PRESSURE	72				

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.

SIGNATURE \_\_\_\_\_ CARMEN RUIZ, Regulatory Analyst  
DATE 2/8/2013 PHONE NUMBER 405-810-7397  
ADDRESS 5600 N. May, Suite 350 Oklahoma City OK 73112 EMAIL ADDRESS cruiz@rangeresources.com

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 **SERGE**

WELL NO. **1-4N**

NAMES OF FORMATIONS	TOP
BIG LIME	3799'
CHECKERBOARD	3857'
OSWEGO	3869'
RED FORK	4221'
MISSISSIPPIAN	4535'

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. \_\_\_\_\_

Other remarks: *OCC - This well is an open hole completion from the bottom of the 7" casing at 5257' to terminus at 9515'. The 4 1/2" liner is open from 5346' to 9319' but the liner is not cemented*

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
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
4	24N	1W	NOBLE
Spot Location	NE 1/4	NE 1/4	NW 1/4
Depth of Deviation	3583'	Radius of Turn	800'
Measured Total Depth	9515'	True Vertical Depth	4262'
End Pt Location From Lease, Unit or Property Line:		208'	

LATERAL #2

SEC	TWP	RGE	COUNTY
Spot Location	1/4	1/4	1/4
Depth of Deviation	Radius of Turn		Direction
Measured Total Depth	True Vertical Depth		End Pt Location From Lease, Unit or Property Line:

LATERAL #3

SEC	TWP	RGE	COUNTY
Spot Location	1/4	1/4	1/4
Depth of Deviation	Radius of Turn		Direction
Measured Total Depth	True Vertical Depth		End Pt Location From Lease, Unit or Property Line: