

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

API NUMBER: 103 21821 A

Approval Date: 09/10/2014  
Expiration Date: 03/10/2015

Straight Hole Oil & Gas

PERMIT TO RECOMPLETE

WELL LOCATION: Sec: 20 Twp: 20N Rge: 1W

County: NOBLE

SPOT LOCATION: C NE NE NE

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 2310 2310

Lease Name: MUIR

Well No: 2

Well will be 330 feet from nearest unit or lease boundary.

Operator Name: PARADIGM TWENTY LLC

Telephone: 9186972077

OTC/OCC Number: 23176 0

PARADIGM TWENTY LLC  
9524 E 81ST ST STE B1526  
TULSA, OK 74133-8032

DAVID MUIR  
P.O. BOX 970  
PERRY OK 73077

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

	Name	Depth	Name	Depth
1	LAYTON-MID OSAGE	4004	6	
2	LAYTON LOW	4104	7	
3	CLEVELAND	4412	8	
4	BIG LIME	4433	9	
5	OSWEGO	4500	10	

Spacing Orders: 34542  
246148

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 5220

Ground Elevation: 1125

Surface Casing: 326 IP

Depth to base of Treatable Water-Bearing FM: 200

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

Approved Method for disposal of Drilling Fluids:

Notes:

Category

Description

FRAC FOCUS

9/10/2014 - G71 - THE REQUIREMENT FOR CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS WILL BE EXTENDED TO INCLUDE ALL NON-HORIZONTAL WELLS FOR HYDRAULIC FRACTURING OPERATIONS BEGINNING JANUARY 1, 2014. REFER TO OCC RULE 165:10-3-10 FOR COMPLIANCE REQUIREMENTS. PLEASE REPORT DIRECTLY TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/) OR FOR OCC ASSISTANCE CONTACT DENNIS NISKERN AT 405-522-2977 OR D.NISKERN@OCCEMAIL.COM

SPACING

9/10/2014 - G91 - BIG LIME FORMATION UNSPACED; 160-ACRE LEASE (NE4)

This permit does not address the right of entry or settlement of surface damages.

103 21821 MUIR 2

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.

Category	Description
SPACING - 246148	9/10/2014 - G91 - (40/160) W2 & NE4 20-20N-1W EXT 47492/53336 (40) LYTMO EXT 51504/117459 (40) OTHER EXT 117459 (40) LYTNL, OSWG, OTHERS EXT 125222 (40) OTHER EXT 60846/117459 (160) OTHER EXT/MOD 117459 OTHERS
SPACING - 34542	9/10/2014 - G91 - (80) 20-20N-1W SU SLOT (1957) NE/SW (1971) EST CLVD