



# Upstream

Petroleum Management, Inc.

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Englewood, CO 80112  
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## VIA EFORMS

Mr. Matt Lepore  
Colorado Oil & Gas Conservation Commission  
1120 Lincoln Street, Suite 801  
Denver, CO 80203

June 18, 2015

RE: Application for Permit to Drill - Proposed Wellbore Spacing Unit  
Synergy Resources Corporation  
**Ivey I-14-23HN**  
SHL: 506' FSL 2,070' FEL (SW/4 SE/4)  
Sec. 11 T1S R68W  
BHL:  $\pm 2,600'$  FNL  $\pm 2,500'$  FEL  
Sec. 23 T1S R68W  
Adams County, Colorado  
Surface: Fee  
Mineral Lease: Fee

Dear Mr. Lepore:

Synergy Resources Corporation (Synergy) intends to permit, drill and operate the above referenced Niobrara formation Horizontal Well. As defined by Colorado Oil and Gas Conservation Commission (COGCC) Rule 318A.a.(4)D., Synergy proposes the following wellbore spacing unit:

**Description of the Wellbore Orientation and Wellbore Spacing Unit:** The proposed horizontal wellbore paths will run north to south. The Proposed Spacing Unit is as follows:

Well Name	Proposed Spacing Unit	Acreage
Ivey I-14-23HN	T1S R68W Sec. 14: NENW, NWNE, SENW, SWNE, NESW, NWSE SESW SWSE; T1S R68W Sec. 23: NENW, NWNE, SENW, SWNE, NESW, NWSE	$\pm 560$

### Description of Wellbore Orientation & Proposed Surface, Bottom, and Productive Interval Locations and Target Formation:

The proposed wellbore will run north to south, beginning in Sec. 11 T1S R68W and ending in Sec. 23 T1S R68W. Please see the enclosed PSU. The proposed location is as follows:

Well Name	Surface Hole	Productive Interval	Bottom Hole	Formation
Ivey I-14-23HN	506' FSL 2,070' FEL	465' FNL 2,500' FEL	2600' FNL 2,500' FEL	Niobrara

Synergy requests the Director approve the proposed wellbore spacing unit.

This letter hereby certifies that Synergy complied with Rule 318A.e.(5) on November 18, 2014 for the above referenced oil and gas well. All mineral interest owners were sent letters notifying them of the proposed spacing unit. The Mineral Interest Owner letters were sent by Bayswater Exploration & Production who was the original operator of the proposed well. Synergy bought the prospect and no changes were made to either the surface, landing point, or bottom-hole locations since the Mineral Interest owners were notified. No disputes were received.

### Your Assets / Our Expertise

- Regulatory
- Storm-water Management Plans
- Project Coordination
- Permitting
- Government Relations
- EA/EIS Assistance

Mr. Matt Lepore  
June 18, 2015  
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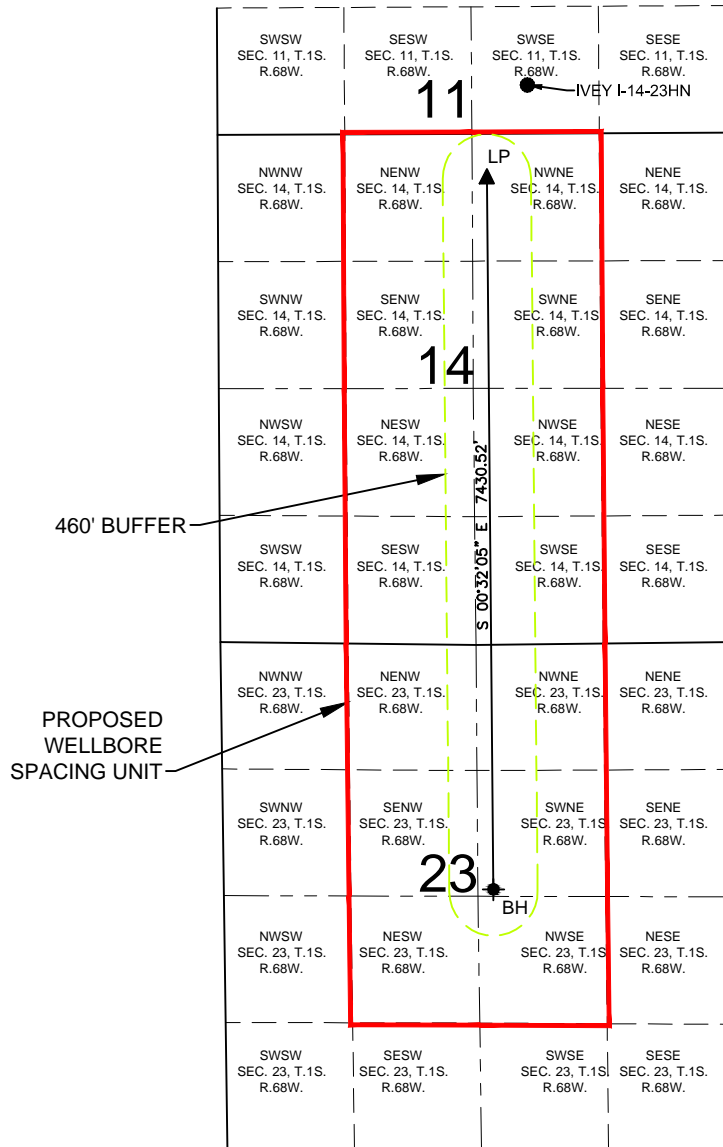
Please send a copy of all correspondence to Upstream Petroleum Management, Inc. at 7000 S. Yosemite St., Suite 290B, Englewood, CO 80112. Please contact me at 303-942-0506 or at [acallaway@upstreampm.com](mailto:acallaway@upstreampm.com) if you have any questions.

Sincerely,



Angela G. Callaway  
Permit Agent for Synergy Resources Corporation

# IVEY 11-N SOUTH PAD PROPOSED 318A.e. SPACING UNIT



WELL **IVEY I-14-23HN** TO BE LOCATED 506' FSL AND 2070' FEL, SEC. 11, T1S, R68W

## LEGEND

- = PROPOSED WELL
- ▲ = LANDING POINT
- ◆ = BOTTOM HOLE
- LP = LANDING POINT
- BH = BOTTOM HOLE

## SURFACE LOCATION

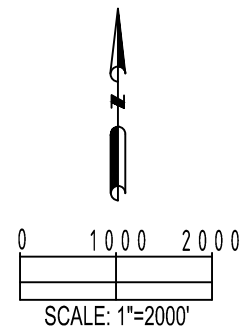
NAD83  
LATITUDE= 39.973415°  
LONGITUDE= 104.966808°

## LANDING POINT LOCATION

NAD83  
LATITUDE= 39.970751°  
LONGITUDE= 104.968337°

## BOTTOM HOLE LOCATION

NAD83  
LATITUDE= 39.950353°  
LONGITUDE= 104.968249°



PREPARED BY:



FIELD DATE:  
05-07-14

DRAWING DATE:  
03-03-15

BY: DRF  
CHECKED BY: MDCA

SITE NAME:

IVEY 11-N SOUTH PAD

SURFACE LOCATION:

SW 1/4 SE 1/4, SEC. 11, T1S, R68W, 6TH P.M.  
ADAMS COUNTY, COLORADO

PREPARED FOR:

