

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

API NUMBER: 047 25083

Approval Date: 02/01/2017
Expiration Date: 08/01/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 11 Twp: 23N Rge: 5W

County: GARFIELD

SPOT LOCATION: SW SE SE SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 205 360

Lease Name: HELENA

Well No: 1-14H

Well will be 205 feet from nearest unit or lease boundary.

Operator Name: SK PLYMOUTH LLC

Telephone: 9185991800

OTC/OCC Number: 23485 0

SK PLYMOUTH LLC
6100 S YALE AVE STE 500
TULSA, OK 74136-1906

ARLO D HELBERG, TRUSTEE
1910 EAST CIRCLE DR
CHOCTAW OK 73020

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	5700	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 636142

Location Exception Orders: 657418

Increased Density Orders:

Pending CD Numbers: 201403910

Special Orders:

Total Depth: 11298

Ground Elevation: 1122

Surface Casing: 420

Depth to base of Treatable Water-Bearing FM: 370

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 50000 Average: 5000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: FAIRMONT

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 17-32034

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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

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.

HORIZONTAL HOLE 1

Sec 14 Twp 23N Rge 5W County GARFIELD

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 75

Feet From: EAST 1/4 Section Line: 430

Depth of Deviation: 5200

Radius of Turn: 191

Direction: 181

Total Length: 5000

Measured Total Depth: 10500

True Vertical Depth: 6080

End Point Location from Lease,
Unit, or Property Line: 75

Notes:

Category

Description

COMPLETION INTERVAL 1/19/2017 - G64 - WILL BE GREATER THAN 165' FNL, 165' FSL, 330' FEL PER OPERATOR

HYDRAULIC FRACTURING 1/17/2017 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/) WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE

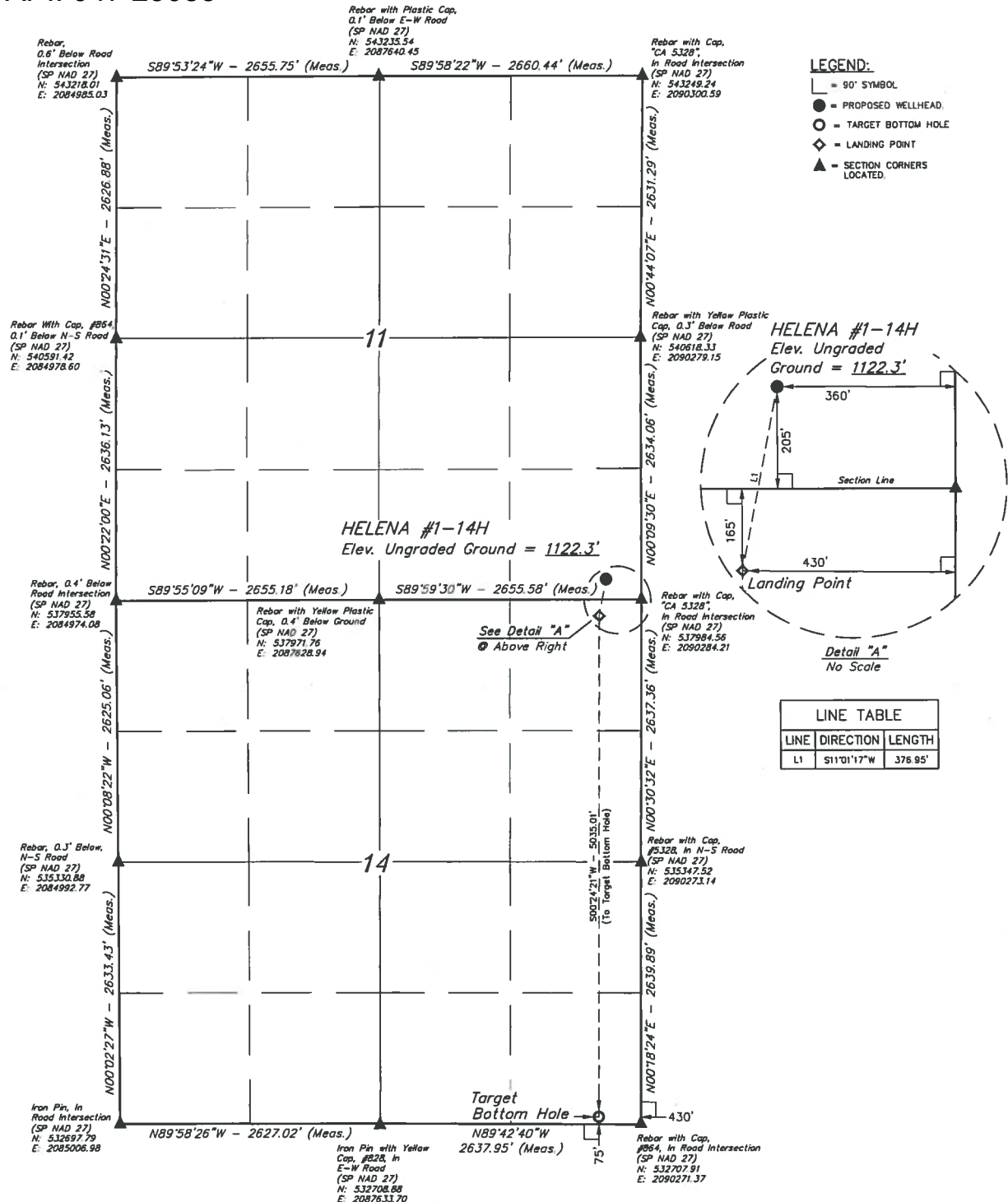
LOCATION EXCEPTION - 657418 1/19/2017 - G64 - (I.O.) 14-23N-5W
X636142 MSSP
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 330' FEL
SK PLYMOUTH LLC
10-28-2016

PENDING CD - 201403910 2/1/2017 - G64 - NPT 636142 TO ADD COEXIST SP. ORDER 147910 CSTR (OK'D PER HULLINGER)

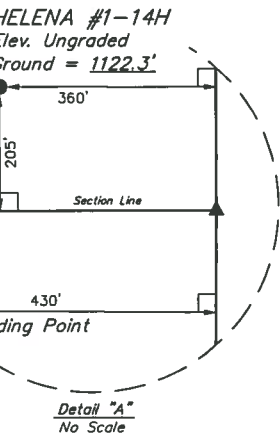
SPACING - 636142 1/19/2017 - G64 - (640)(HOR) 14-23N-5W
EXT 311498 MSSP, OTHER
COMPL. INT. NCT 660' FB
(COEXIST SP. ORDER 180270 MSSLM; ORDER 139512 MSSLM)

API: 047 25083

T23N, R5W, I.M.



- LEGEND:**
- └ = 90° SYMBOL
 - = PROPOSED WELLHEAD
 - = TARGET BOTTOM HOLE
 - ◆ = LANDING POINT
 - ▲ = SECTION CORNERS LOCATED



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S11°01'17"W	378.95'

NAD 83 (SURFACE LOCATION)	NAD 83 (LANDING POINT)	NAD 83 (TARGET BOTTOM HOLE)
NAD 27 (SURFACE LOCATION)	NAD 27 (LANDING POINT)	NAD 27 (TARGET BOTTOM HOLE)
STATE PLANE NAD 83 (OK. NORTH)	STATE PLANE NAD 83 (OK. NORTH)	STATE PLANE NAD 83 (OK. NORTH)
N 538213.29 E 2058324.41	N 537842.99 E 2058254.09	N 532808.51 E 2058242.01
STATE PLANE NAD 27 (OK. NORTH)	STATE PLANE NAD 27 (OK. NORTH)	STATE PLANE NAD 27 (OK. NORTH)
N 531817.79 E 2089923.87	N 537817.50 E 2089853.55	N 532783.06 E 2089841.47

REV: 2 12-23-16 B.L.B. (ADDED LANDING POINT/TARGET BOTTOM HOLE)

CERTIFICATE OF PROFESSIONAL SURVEYOR
 THIS IS TO CERTIFY THAT THE ABOVE DATA WAS PREPARED FROM THE NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF
 JUSTIN
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 1122
 STATE OF OKLAHOMA 12-27-16

BASIS OF BEARINGS
 BASIS OF BEARINGS IS A G.P.S. OBSERVATION
BASIS OF ELEVATION
 BENCHMARK (BM) LOCATED NEAR THE SOUTH LINE OF THE SW 1/4 OF SECTION 11, T23N, R5W, I.M. TAKEN FROM THE ENID EAST QUADRANGLE, OKLAHOMA, GARFIELD COUNTY, 7.3 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 1154.36 FEET

UELS, LLC
 Corporate Office * 85 South 200 East
 Vernal, UT 84078 * (435) 789-1017



SK PLYMOUTH, LLC

HELENA #1-14H
 SE 1/4 SE 1/4, SECTION 11, T23N, R5W, I.M.
 GARFIELD COUNTY, OKLAHOMA

SURVEYED BY	J.P. B.L.	09-29-16	SCALE
DRAWN BY	J.J.	10-04-16	1" = 1000'

WELL LOCATION PLAT

