

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

API NUMBER: 073 26203

Approval Date: 08/10/2018
Expiration Date: 02/10/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 15N Rge: 8W County: KINGFISHER
SPOT LOCATION: NW NE NE NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 200 2170

Lease Name: COPELAND Well No: 3-36 1508MH Well will be 200 feet from nearest unit or lease boundary.
Operator Name: TRIUMPH ENERGY PARTNERS LLC Telephone: 9189868266 OTC/OCC Number: 23826 0

TRIUMPH ENERGY PARTNERS LLC
8908 S YALE AVE STE 250
TULSA, OK 74137-3557

ROBERT F AND SANDRA KAY MUEGGENBORG
601 ANNETTE DRIVE
OKARCHE OK 73762

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

Name	Depth	Name	Depth
1	MISSISSIPPIAN (LESS CHESTER)	8813	6
2			7
3			8
4			9
5			10

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201705108
201804501
201803365

Special Orders:

Total Depth: 13457 Ground Elevation: 1186 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 400

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

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: CHICKASHA

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35028
H. SEE MEMO

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.

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

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: CHICKASHA

HORIZONTAL HOLE 1

Sec 36 Twp 15N Rge 8W County KINGFISHER

Spot Location of End Point: SW SW SW SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 2582

Depth of Deviation: 7813

Radius of Turn: 440

Direction: 175

Total Length: 4953

Measured Total Depth: 13457

True Vertical Depth: 8813

End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Category

Description

DEEP SURFACE CASING

8/6/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

8/6/2018 - G71 - OCC 165:10-3-10 REQUIRES:

1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;

2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,

3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG

INTERMEDIATE CASING

8/6/2018 - G71 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES

MEMO

8/6/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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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.

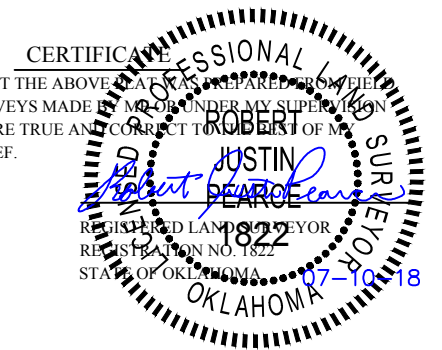
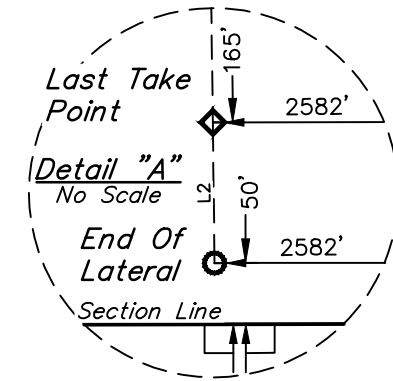
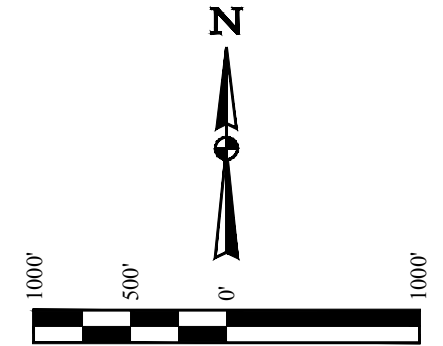
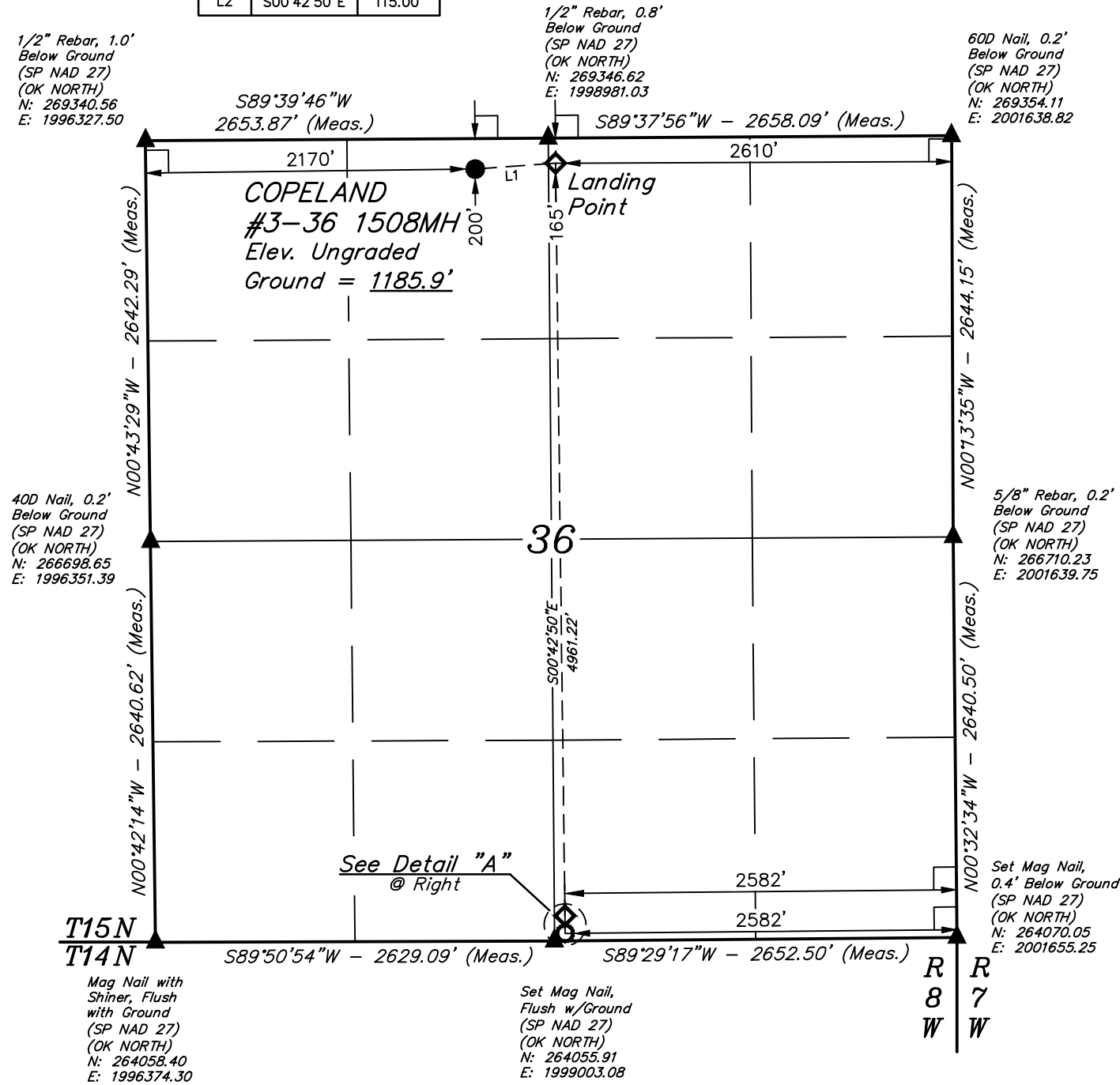
Category	Description
PENDING CD - 201705108	8/10/2018 - G58 - (I.O.) 36-15N-8W EST MSNLC COMPL. INT. NLT 660' FB (COEXIST SP. ORDER 41819 CSTR**, SP. ORDER 139996 MSSSD) REC 4/3/2018 (DUNN)
	**NO NEED TO COEXIST CSTR IN MSNLC SPACING, CHANGE AT HEARING PER ATTORNEY FOR OP.
PENDING CD - 201803365	8/10/2018 - G58 - 36-15N-8W X201705108 MSNLC, OTHER 4 WELLS OTHER 6 WELLS MSNLC NO OP. NAMED REC 5/18/2018 (DUNN)
PENDING CD - 201804501	8/10/2018 - G58 - (I.O.) 36-15N-8W X201705108 MSNLC X165:10-3-28(C)(2)(B) MAY BE NO CLOSER THAN 500' TO SCHWARZ 36-3 WELL & SCHWARZ 36-2 WELL COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 1980' FEL NO OP. NAMED REC 7/10/2018
SURFACE LOCATION	8/10/2018 - G58 - 200' FNL, 2170' FWL NW4 36-15N-8W PER STAKING PLAT

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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.

BASIS OF BEARINGS
BASIS OF BEARINGS IS A G.P.S. OBSERVATION

BASIS OF ELEVATION
BASED ON NGS CONTROL STATION FK0642 WITH A PUBLISHED ELEVATION OF 1475.33' (NAVD88) AND A PUBLISHED POSITION OF LAT: N35°39'21.49179" LONG: W98°19'42.80094" (NAVD83(2011)).

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N85°53'16"E	530.89'
L2	S00°42'50"E	115.00'



CERTIFICATION
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.

- LEGEND:**
- └─┘ = 90° SYMBOL
 - = PROPOSED WELLHEAD.
 - ◆ = LANDING/LAST TAKE POINT.
 - = END OF LATERAL.
 - ▲ = SECTION CORNERS LOCATED. (NAD 83)

NAD 83 (SURFACE LOCATION)		NAD 83 (END OF LATERAL)	
LATITUDE = 35°44'21.99"	(35.739441)	LATITUDE = 35°43'32.15"	(35.725597)
LONGITUDE = 98°00'19.40"	(98.005388)	LONGITUDE = 98°00'12.43"	(98.003451)
NAD 27 (SURFACE LOCATION)		NAD 27 (END OF LATERAL)	
LATITUDE = 35°44'21.82"	(35.739395)	LATITUDE = 35°43'31.98"	(35.725551)
LONGITUDE = 98°00'18.21"	(98.005057)	LONGITUDE = 98°00'11.23"	(98.003121)
STATE PLANE NAD 83 (OK. NORTH)		STATE PLANE NAD 83 (OK. NORTH)	
N: 269169.36	E: 1966900.96	N: 264130.04	E: 1967475.54
STATE PLANE NAD 27 (OK. NORTH)		STATE PLANE NAD 27 (OK. NORTH)	
N: 269145.61	E: 1998499.13	N: 264106.28	E: 1999073.67

UINTAH
ENGINEERING & LAND SURVEYING

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

SURVEYED BY	B.L., J.P.	06-27-18	SCALE
DRAWN BY	C.IVIE	07-10-18	1" = 1000'

WELL LOCATION PLAT