

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

API NUMBER: 073 26542

Approval Date: 04/18/2019

Expiration Date: 10/18/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 16N Rge: 7W

County: KINGFISHER

SPOT LOCATION: ☐ SW ☐ SE ☐ NW ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 1205 1950

Lease Name: LITTLE JOE 22-16N-7W

Well No: 5MH

Well will be 1205 feet from nearest unit or lease boundary.

Operator Name: PALOMA OPERATING CO INC

Telephone: 7136508509

OTC/OCC Number: 23932 0

PALOMA OPERATING CO INC
1100 LOUISIANA ST STE 5100
HOUSTON, TX 77002-5220

ROBERT G BOECKMAN TRUST
203 E WILL ROGERS DR
KINGFISHER OK 73750

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

Name	Depth	Name	Depth
1 MISSISSIPPI LIME	7670	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 91941
82763

Location Exception Orders: 693199

Increased Density Orders: 691209
693882

Pending CD Numbers:

Special Orders:

Total Depth: 13429

Ground Elevation: 1062

Surface Casing: 400

Depth to base of Treatable Water-Bearing FM: 210

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

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: 5000 Average: 1500

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: BISON

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

PERMIT NO: 19-36233

G. Haul to recycling/re-use facility: Sec. 22 Twn. 16N Rng. 9W Cnty. 73 Order No: 647741

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: BISON

HORIZONTAL HOLE 1

Sec 22 Twp 16N Rge 7W County KINGFISHER

Spot Location of End Point: NE NW NE NW

Feet From: NORTH 1/4 Section Line: 65

Feet From: WEST 1/4 Section Line: 1675

Depth of Deviation: 7589

Radius of Turn: 478

Direction: 350

Total Length: 5090

Measured Total Depth: 13429

True Vertical Depth: 7753

End Point Location from Lease,
Unit, or Property Line: 65

Notes:

Category

Description

HYDRAULIC FRACTURING

2/8/2019 - 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

INCREASED DENSITY - 691209

3/11/2019 - G58 - 22-16N-7W
X91941 MSSLM**
6 WELLS
PALOMA PARTNERS IV, LLC
2/11/2019

**SHOULD APPLY TO SP. ORDER 82763 MSSLM;

INCREASED DENSITY - 693882

4/18/2019 - G58 - NPT TO INCREASED DENSITY ORDER 691209 TO APPLY TO SPACING ORDER 82763

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

073 26542 LITTLE JOE 22-16N-7W 5MH

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
LOCATION EXCEPTION - 693199	4/18/2019 - G58 - (I.O.) 22-16N-7W X82763/91941 MSSLM COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 650' FWL NO OP. NAMED 3/20/2019
MEMO	2/8/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - UNCLE JOHN CREEK), PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 82763	3/11/2019 - G58 - (640) 22-16N-7W EXT 81050 MSSLM
SPACING - 91941	3/11/2019 - G58 - (640) 22-16N-7W EXT OTHERS EXT 81050 MSSLM

KINGFISHER

County, Oklahoma

1205' FNL-1950' FEL Section 27 Township 16N Range 7W I.M.



Good Drill Site? Yes
Best Accessibility to Location From North off county road.
Distance & Direction From the junction of US Hwy 81/St. Hwy 3 & St. Hwy 33 in Kingfisher, Oklahoma, go
±1.2 miles South on US Hwy 81/St. Hwy 3 to the North Quarter Corner of Section 27, T16N-R7W.

Operator: PALOMA OPERATING COMPANY, INC.
Lease Name: LITTLE JOE 22-16N-7W
Topography & Vegetation Location fell in terraced wheat field.

Well No.: SMH
ELEVATION:
1062' Gr. at Stake (NAVD 88)
1061' Gr. at Stake (NGVD 29)

LANDING POINT, BOTTOM HOLE AND DRILL
PATH INFORMATION PROVIDED BY OPERATOR.
LISTED, NOT SURVEYED.

PROPOSED
BOTTOM HOLE
65' FNL-1675' FWL
35°51'23.8" N
97°56'08.1" W
35.856622440' N
97.935589806' W
X: 2019088
Y: 311824

PROPOSED
LAST TAKE POINT
165' FNL-1675' FWL
35°51'22.9" N
97°56'08.1" W
35.856347716' N
97.935587630' W
X: 2019089
Y: 311724

PROPOSED
FIRST TAKE POINT
165' FNL-1675' FWL
35°50'33.5" N
97°56'07.7" W
35.842638007' N
97.935478406' W
X: 2019124
Y: 306734

X 2020058
Y 311888

X 2022705
Y 311857

X 2017431
Y 309233

X 2022717
Y 309202

X 2020086
Y 306565

CALCULATED
X 2022729
Y 306547

X 2017450
Y 306575

1205'

(690)

1950'

(1435')

PROPOSED
SURFACE HOLE
1205' FNL-1950' FEL
NAD-83 (US FEET)
35°50'20.0" N
97°55'48.8" W

CALCULATED
X 2022736
Y 303907

X 2017480
Y 301257

X 2022743
Y 301268

THE INFORMATION SHOWN HEREIN IS
FOR CONSTRUCTION PURPOSES ONLY

DATUM: NAD-27
LAT: 35°50'19.9" N
LONG: 97°55'47.6" W
LAT: 35.838847966° N
LONG: 97.929887868° W
STATE PLANE
COORDINATES (US FEET):
ZONE: OK NORTH
X: 2020782
Y: 305355

Invoice # 309421C Date of Drawing: Jan. 7, 2019
Date Staked: Dec. 31, 2018 NB

CERTIFICATE:

I, Thomas L. Howell an Oklahoma Licensed Land
Surveyor and an authorized agent of Topographic Land
Surveyors of Oklahoma, do hereby certify to the
information shown herein.

Thomas L. Howell
Oklahoma Lic. No. 1433

