

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

API NUMBER: 011 23971 A

Approval Date: 03/27/2018
Expiration Date: 09/27/2018

Horizontal Hole Oil & Gas

Amend reason: AMEND SHL

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 15N Rge: 11W County: BLAINE
SPOT LOCATION: NW NW SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 1022 2322

Lease Name: JALOU Well No: 2-25-36XHM Well will be 1022 feet from nearest unit or lease boundary.

Operator Name: CONTINENTAL RESOURCES INC Telephone: 4052349020; 4052349 OTC/OCC Number: 3186 0

CONTINENTAL RESOURCES INC
PO BOX 269000
OKLAHOMA CITY, OK 73126-9000

HARLAN G. TOMLINSON
RT. 2, BOX 119
WATONGA OK 73772

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	10325	6	
2 WOODFORD	11745	7	
3		8	
4		9	
5		10	

Spacing Orders: 657035 Location Exception Orders: Increased Density Orders: 657571
586354
651181

Pending CD Numbers: 201801500 Special Orders:
201801501
201801490

Total Depth: 21210 Ground Elevation: 1442 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 130

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

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 8000 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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-34087
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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 36 Twp 15N Rge 11W County BLAINE

Spot Location of End Point: S2 S2 SW SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 1980

Depth of Deviation: 9996

Radius of Turn: 477

Direction: 178

Total Length: 10464

Measured Total Depth: 21210

True Vertical Depth: 11745

End Point Location from Lease,
Unit, or Property Line: 5

Notes:

Category

Description

DEEP SURFACE CASING

3/13/2018 - 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

3/13/2018 - 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

INCREASED DENSITY – 669154

3/21/2018 - G58 - 36-15N-11W
X586354 MSSP
10 WELLS
NO OP. NAMED
10/18/2017

INTERMEDIATE CASING

3/13/2018 - 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

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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
MEMO	3/13/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD – 201801490	3/21/2018 - G58 - 25-15N-11W X657035 MSSP 5 WELLS NO OP. NAMED REC 3/27/2018 (MINMIER)
PENDING CD – 201801500	3/21/2018 - G58 - (I.O.) 25 & 36-15N-11W EST MULTIUNIT HORIZONTAL WELL X657035 MSSP (25-15N-11W) X651181 WDFD (25-15N-11W) X586354 MSSP, WDFD (36-15N-11W) (WDFD ADJACENT COMMON SOURCE OF SUPPLY TO MSSP) ** 50% 25-15N-11W 50% 36-15N-11W NO OP. NAMED REC 3/27/2018 (MINMIER)
PENDING CD – 201801501	**NOT SPECIFIED IN APPLICATION TO BE CORRECTED AT HEARING PER ATTORNEY FOR OP. 3/21/2018 - G58 - (I.O.) 25 & 36-15N-11W X657035 MSSP (25-15N-11W) X651181 WDFD (25-15N-11W) X586354 MSSP, WDFD (36-15N-11W) X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO EXISTING/PROPOSED WELL COMPL. INT. (25-15N-11W) NCT 150' FNL, NCT 0' FSL, NCT 1320' FEL COMPL. INT. (36-15N-11W) NCT 0' FNL, NCT 150' FSL, NCT 1320' FEL NO OP. NAMED REC 3/27/2018 (MINMIER)
SPACING – 586354	3/21/2018 - G58 - (640)/(640)(HOR) 36-15N-11W EXT OTHERS EXT (640) 569413 MSSP EST (640)(HOR) WDFD COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL
SPACING – 651181	3/21/2018 - G58 - (640)(HOR) 25-15N-11W EST MSSSD (VAC BY 657035), WDFD, OTHER COMPL. INT. (MSSSD) NLT 660' FB COMPL. INT. (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL
SPACING – 657035	3/21/2018 - G58 - (640)(HOR) 25-15N-11W VAC 651181 MSSSD EST MSSP COMPL. INT. (MSSP) NCT 660' FB

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