

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

API NUMBER: 075 21998

Approval Date: 11/24/2014
Expiration Date: 05/24/2015

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 18 Twp: 7N Rge: 17W County: KIOWA
SPOT LOCATION: SE NW NW SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 2295 370

Lease Name: SHELLY Well No: 18-1 Well will be 345 feet from nearest unit or lease boundary.
Operator Name: BROWN & BORELLI INC Telephone: 4053755788 OTC/OCC Number: 2570 0

BROWN & BORELLI INC
PO BOX 747
KINGFISHER, OK 73750-0747

KIRK & SHELLY DUFF
ROUTE 1 BOX 88
HOBART OK 73651

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

	Name	Depth	Name	Depth
1	PONTOTOC DETRITAL	940	6	
2	HUNTON	1400	7	
3			8	
4			9	
5			10	

Spacing Orders: 604873

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 1800

Ground Elevation: 1650

Surface Casing: 370

Depth to base of Treatable Water-Bearing FM: 320

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: ON SITE

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 located in a Hydrologically Sensitive Area.

Category of Pit: 2

Liner not required for Category: 2

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

Notes:

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.

075 21998 SHELLY 18-1

Category	Description
FRAC FOCUS	11/24/2014 - G71 - THE REQUIREMENT FOR CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS WILL BE EXTENDED TO INCLUDE ALL NON-HORIZONTAL WELLS FOR HYDRAULIC FRACTURING OPERATIONS BEGINNING JANUARY 1, 2014. REFER TO OCC RULE 165:10-3-10 FOR COMPLIANCE REQUIREMENTS. PLEASE REPORT DIRECTLY TO FRACFOCUS USING THE FOLLOWING LINK HTTP://FRACFOCUS.ORG/ OR FOR OCC ASSISTANCE CONTACT DENNIS NISKERN AT 405-522-2977 OR D.NISKERN@OCCEMAIL.COM
SPACING - 604873	11/24/2014 - G91 - (40) SW4 18-7N-17W VAC OTHER EXT 563410 PNTDT, HNTN, OTHERS

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