API NUMBER: 093 25170 A Horizontal Hole Oil & Gas	P.O. B OKLAHOMA CI	SERVATION DIVISIO 30X 52000 TY, OK 73152-2000 165:10-3-1)	DN /	Approval Date: 10/30/2018 Expiration Date: 04/30/2020
mend reason: BHL CHANGE AND ADD EXCEPTION TO 600' ULE	AMEND PE	RMIT TO DRILL		
WELL LOCATION: Sec: 27 Twp: 20N Rge: 15	N County: MAJOR			
SPOT LOCATION: SE SE SE SW	FEET FROM QUARTER: FROM SOUTH SECTION LINES: 235	FROM WEST 2500		
Lease Name: MEDILL 2015	Well No: 2-27H		Well will be 235	feet from nearest unit or lease boundary.
Operator SANDRIDGE EXPLORATION & PRO Name:	DUCTION LLC Telepi	hone: 4054295610	OTC/O	CC Number: 22281 0
SANDRIDGE EXPLORATION & PRODU 123 ROBERT S KERR AVE STE 1702	JCTION LLC	RICK U	WIN AND MARY S	UNWIN
OKLAHOMA CITY, OK	73102-6406	SEILING		OK 73663
Name 1 MISSISSIPPIAN 2 3 4 5 Spacing Orders: 664236	Depth 9226 Location Exception Orders:	Name 6 7 8 9 10	Increased	Depth
Pending CD Numbers: 201802850 201802849 201808992			Special Orc	lers:
Total Depth: 13941 Ground Elevation: 16	93 Surface Casing:	1500	Depth to base o	f Treatable Water-Bearing FM: 350
Total Depth: 13941 Ground Elevation: 16 Under Federal Jurisdiction: No	93 Surface Casing: Fresh Water Supply W		Depth to base o	f Treatable Water-Bearing FM: 350 Surface Water used to Drill: Yes
	-	ell Drilled: No	Depth to base o or disposal of Drilling Fluids:	
Under Federal Jurisdiction: No PIT 1 INFORMATION Type of Pit System: CLOSED Closed System Means S Type of Mud System: WATER BASED Chlorides Max: 10000 Average: 5000	Fresh Water Supply W	lell Drilled: No Approved Method fc	·	Surface Water used to Drill: Yes
Under Federal Jurisdiction: No PIT 1 INFORMATION Type of Pit System: CLOSED Closed System Means S Type of Mud System: WATER BASED	Fresh Water Supply W	fell Drilled: No Approved Method fo D. One time land a	r disposal of Drilling Fluids:	Surface Water used to Drill: Yes
Under Federal Jurisdiction: No PIT 1 INFORMATION Type of Pit System: CLOSED Closed System Means S Type of Mud System: WATER BASED Chlorides Max: 10000 Average: 5000 Is depth to top of ground water greater than 10ft below ba Within 1 mile of municipal water well? N Wellhead Protection Area? N Pit is located in a Hydrologically Sensitive Area. Category of Pit: C	Fresh Water Supply W	fell Drilled: No Approved Method fo D. One time land a	r disposal of Drilling Fluids:	Surface Water used to Drill: Yes
Under Federal Jurisdiction: No PIT 1 INFORMATION Type of Pit System: CLOSED Closed System Means S Type of Mud System: WATER BASED Chlorides Max: 10000 Average: 5000 Is depth to top of ground water greater than 10ft below ba Within 1 mile of municipal water well? N Wellhead Protection Area? N Pit is located in a Hydrologically Sensitive Area.	Fresh Water Supply W	fell Drilled: No Approved Method fo D. One time land a	r disposal of Drilling Fluids:	Surface Water used to Drill: Yes

PIT 2 INFORMATION Type of Pit System: CLOSED Closed System Means Steel Pits Type of Mud System: OIL BASED Chlorides Max: 500000 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
 AP/TE DEPOSIT

 Pit Location Formation:
 TERRACE

HORIZONTAL HOLE 1

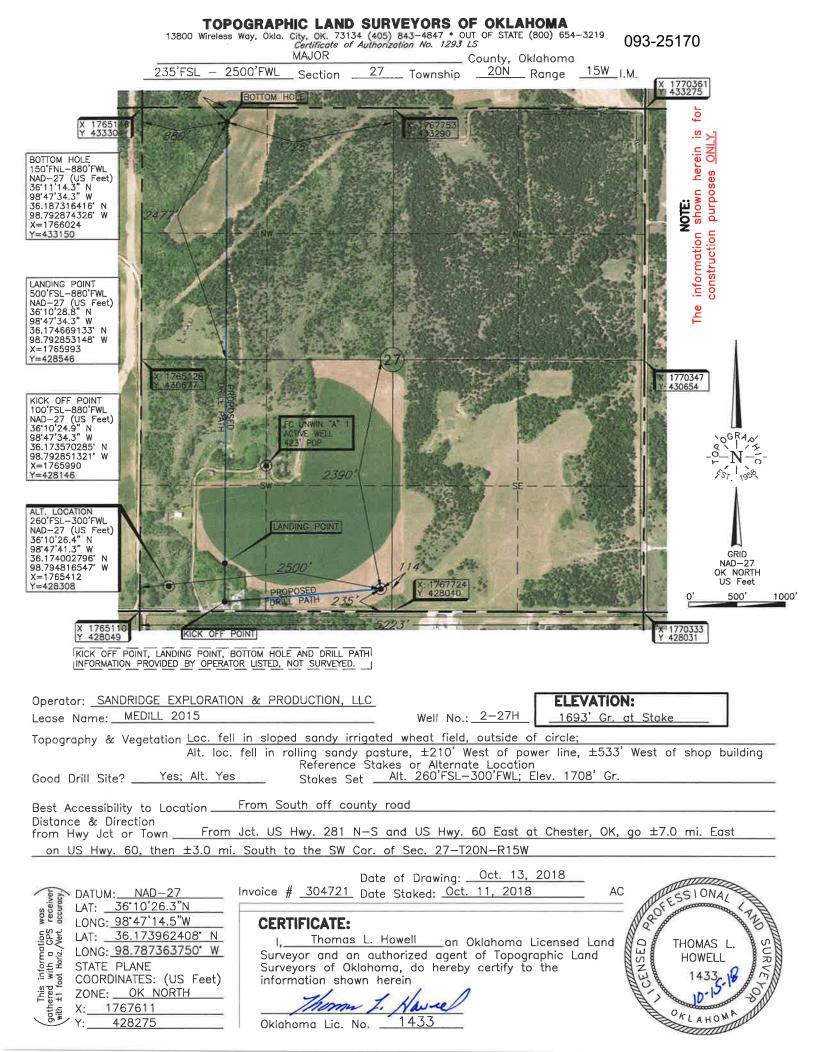
Sec	27	Twp	20N	Rge	15\	W	Count	y I	MAJOR
Spot	Locatior	of En	d Point:	N\	N	NE	NW	' N	IW
Feet	From:	NOF	RTH 1	1/4 Sec	ction	۱ Line	e:	150	
Feet	From:	WE	ST ⁷	1/4 Se	ctior	ו Line	e:	880	
Depth of Deviation: 8600									
Radius of Turn: 626									
Direction: 360									
Total Length: 4300									
Measured Total Depth: 13941									
True Vertical Depth: 9250									
End Point Location from Lease,									
Unit, or Property Line: 150									

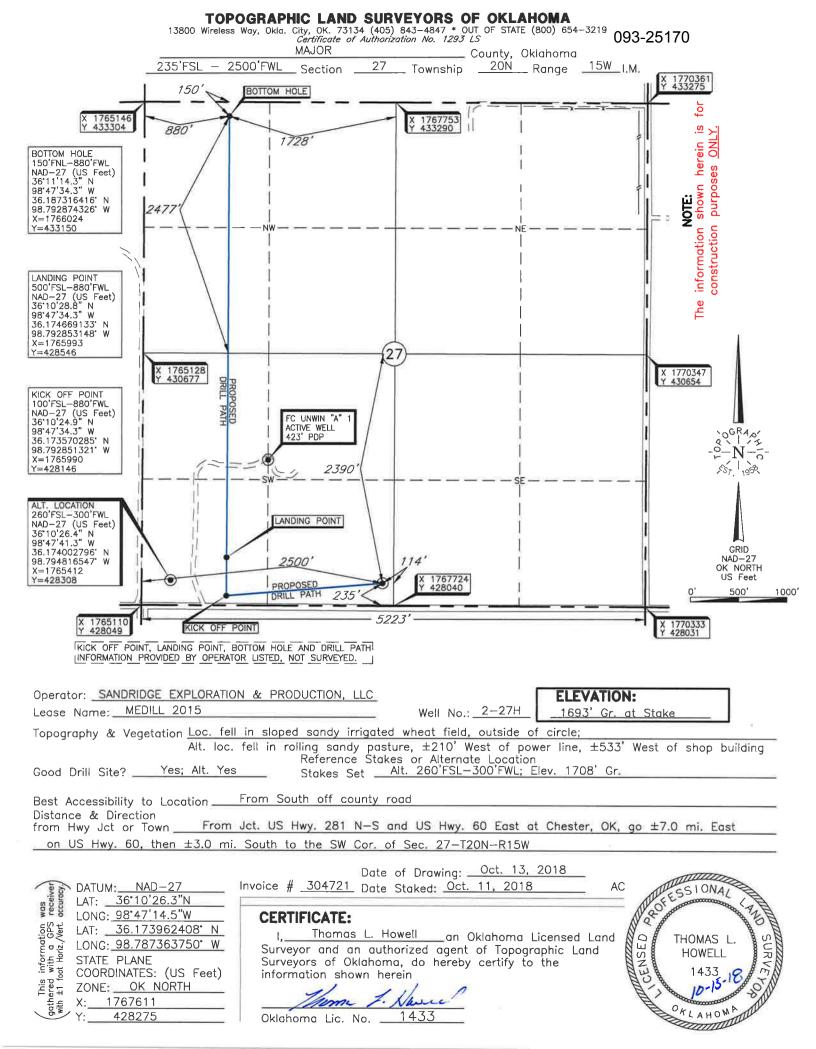
Notes:	
Category	Description
DEEP SURFACE CASING	10/29/2018 - GA8 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
HYDRAULIC FRACTURING	10/29/2018 - GA8 - OCC 165:10-3-10 REQUIRES:
	1) PRIOR TO COMMENCEMENT 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	10/29/2018 - GA8 - 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
МЕМО	10/29/2018 - GA8 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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. 093 25170 MEDILL 2015 2-27H

Page 2 of 3

Category	Description
PENDING CD - 201802849	10/29/2018 - G58 - 27-20N-15W X664236 MSSP 2 WELLS NO OP NAMED REC 5/7/2018 (M. PORTER)
PENDING CD - 201802850	10/29/2018 - G58 - (I.O.) 27-20N-15W X664236 MSSP COMPL. INT. NCT 150' FNL, NCT 150' FSL, NCT 560' FWL NO OP. NAMED REC 5/7/2018 (M. PORTER)
PENDING CD - 201808992	11/16/2018 - G58 - (E.O.) 27-20N-15W X165:10-3-28(C)(2)(B) MSSP (MEDILL 2015 2-27H) MAY BE CLOSER THAN 600' FROM THE F.C. UNWIN "A" 1 WELL REC 11/6/2018 (JACKSON)
SPACING - 664236	10/29/2018 - G58 - (640)(HOR) 27-20N-15W VAC 155067 CSTR EXT 634339 MSSP, OTHER POE TO BHL NCT 660' FB (COEXIST SP. ORDER 128563/143475 MSSLM)

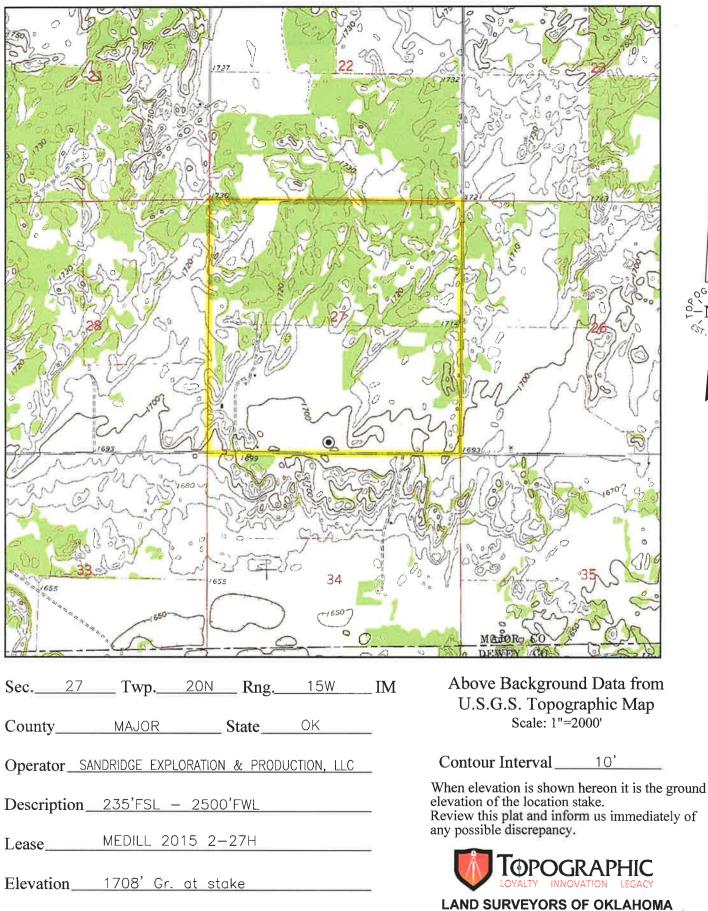




TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Surveying and Mapping for the Energy Industry 13800 Wireless Way, Oklahoma City, OK 73134 www.topographic.com Telephone Numbers: Local (405) 843-4847 Toll Free (800) 654-3219

LOCATION & ELEVATION VERIFICATION MAP

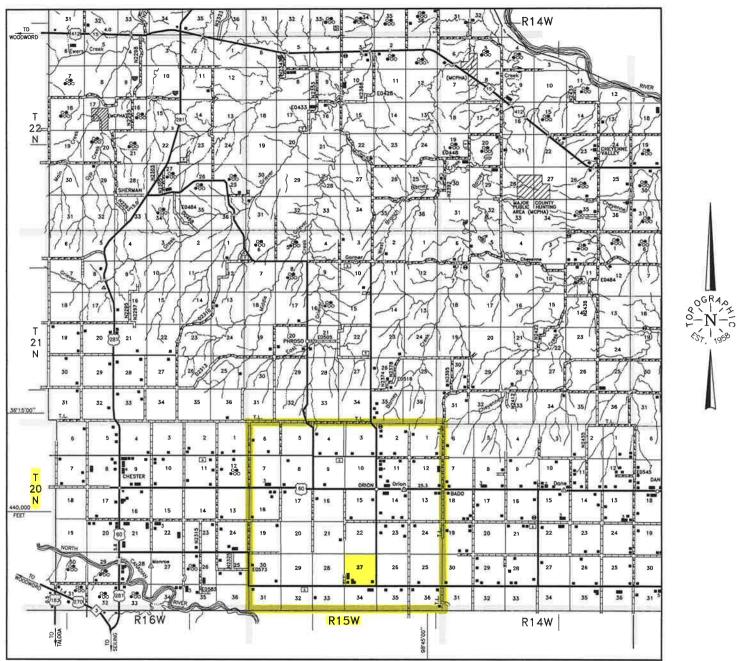


Oct. 11, 2018

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VICINITY MAP



Scale: 1'' = 3 Miles

Sec. 27 Twp. 20N Rng. 15W IM

County_____NAJOR____State____OK

Operator SANDRIDGE EXPLORATION & PRODUCTION, LLC

