OKLAHOMA CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION P.O. BOX 52000 **OKLAHOMA CITY, OK 73152-2000**

(Rule 165:10-3-1)

Horizontal Hole

API NUMBER:

Oil & Gas

051 24210

PERMIT TO DRILL

Approval Date: 10/30/2017 04/30/2018 **Expiration Date:**

WELL LOCATION: Sec: 13 Twp: 5N Rge: 5W

FEET FROM QUARTER: SPOT LOCATION: NE NW NW sw SOUTH WEST SECTION LINES: 2396 566

feet from nearest unit or lease boundary. Lease Name: JONES Well No: 1-13H Well will be

Operator

RED ROCKS OIL & GAS OPERATING LLC

Telephone: 4056003065

OTC/OCC Number:

22649 0

RED ROCKS OIL & GAS OPERATING LLC 1141 N ROBINSON AVE STE 301

OKLAHOMA CITY,

OK

73103-4919

GARY J. & JANICE W. JONES

2446 COUNTY ROAD 1460

73052 LINDSAY OK

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

Depth Depth Name WOODFORD 10190 2 3 8 4 5 10

662506 Spacing Orders: Location Exception Orders: 666122 Increased Density Orders:

Pending CD Numbers: 201706904 Special Orders:

Total Depth: 15360 Ground Elevation: 1021 Depth to base of Treatable Water-Bearing FM: 60 Surface Casing: 1500

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

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: 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: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

PERMIT NO: 17-32630 D. One time land application - (REQUIRES PERMIT)

H. SEE MEMO

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 13 Twp 5N Rge 5W County GRADY

Spot Location of End Point: NE NE NE SE
Feet From: SOUTH 1/4 Section Line: 2350
Feet From: EAST 1/4 Section Line: 265

Depth of Deviation: 9425 Radius of Turn: 750

Direction: 91
Total Length: 4757

Measured Total Depth: 15360

True Vertical Depth: 10255
End Point Location from Lease,
Unit, or Property Line: 265

Notes:

Category Description

DEEP SURFACE CASING 9/20/2017 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS

OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR

SURFACE CASING

HYDRAULIC FRACTURING 9/20/2017 - 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

LOCATION EXCEPTION - 666122 10/5/2017 - G75 - (I.O.) 13-5N-5W

X662506 WDFD

SHL 2396' FSL, 566' FWL

COMPL. INT. NCT 2350' FSL, NCT 265' FWL, NCT 265' FEL

RED ROCKS OIL & GAS OP., LLC

7-19-2017

MEMO 9/20/2017 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 -

OBM TO VENDOR, OBM CUTTINGS 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.

051 24210 JONES 1-13H

Category

Description

PENDING CD - 201706904

10/20/2017 - G75 - (E.O.) 13-5N-5W X165:10-3-28(C)(2)(B) WDFD (JONES 1-13H) MAY BE CLOSER THAN 600' TO CORA 1-13 & CHARLES 3-13 RED ROCKS OIL & GAS OP., LLC

REC 10-20-2017 (THOMAS)

SPACING - 662506

10/5/2017 - G75 - (640)(HOR) 13-5N-5W EXT 636309 WDFD POE TO BHL NCT 165' TO NL & SL, NCT 330' TO EL & WL (COEXIST SP. ORDER # 347618 WDFD NW4; ORDER # 350214/532304 WDFD SW4; ORDER #

431679 WDFD S2 NE4 & N2 SE4)

· V			6	4		AN	工	OZ	51-	· 20	1210
·	APPLICATIO	N TO DRILL	, RECOMP	LETE OR REI	ENTER				-•		FORM
LE ORIGINAL ONLY LEASE TYPE OR USE BLACK INK OTC/OCC OPERATOR NUMBER 22649 API NUMBER	O	P.O OKLAHOMA	NSERVATION ORPE BUILD D. BOX 52000	I DIVISION ING 152-2000		BATC	CH NUM	BER (occ us	SE ONL'	REV.:
TYPE OF DRILLING OPERATION >>> STRAIGHT HOLE D	RECTIONAL HOLE	N OR REENTRY. tional or horizontal X HORIZONTAL	HOLE	N side for bottom hole SERVICE WE					ACING (D OUTLI UNIT IN I	
ECTION 13 TOWNSHIP 5N	RANGE 5W	COUNTY	GRA	DY	1650		-			†	
POT LOCATION: NE 1/4 NW 1/4 NW 1/	FEET FROM	M QUARTER from		from WEST LINE 566	990	_			_	$\dagger \dagger$	
7. Well will be 566'	feet from nearest unit or pr	operty boundary.			330						T O
LEASE NAME:	Jones		L NUMBER:	1-13H	2310	х	1				N N
NAME OF Red Rocks Oil & Ga	red	Irocksoilandgas		resources.com	1650						
	son Ave., Ste 301	PHONE (AC/NUM	IBER) 405	5-600-3065	990						
Oklahoma (City STATE	ОК	ZIP CODE	73103	330					111	Annual Service
SURFACE OWNER (ONE ONLY, ATTACH SHEET ADDRESS		·		ce W. Jones	11. Is we	8 Il locate	1320 d on land			1320 1980 al jurisdict	2640 tion?
CITY Lindsay	STATE	OK	ZIP CODE	73052	12. Will a		well be di	-	Y	x N	7 E
14. LIST TARGET FORMATIONS AND DEP	THS OF EACH BELOW (LIMITE	ED TO TEN)	TEM	PORARI			water be	used	× Y	04/17	!
1) Woodford (10,190')		6)	4		DR		ynı	LH	TIU	101	<u>چ</u> _ آھِ
2)		7)			<u> </u>					\dashv	Jones WELL NAME
3)		8)	Expirat	ion Date:	11-1			7		十	- " `
4)		9)	1		nia.	1	00	in	91	寸	الا عال الـ ا
5)		10)			5:10-3	1-1			-	_	# 5
5. SPACING ORDER NUMBER(S) AND SI				62506 640							₹
6. PENDING APPLICATION C.D. NO.	17. LOCATION EXCEPTION 666122	2		ED DENSITY ORDER N/A							
19. TOTAL DEPTH 20. GROUND ELEV. 2 15,360 1,021	80'	1 150	no I	YXN	USED?						
 ALTERNATIVE CASING PROCEDURE, A. Cement will be circulated from the 	check box and fill in blank (AFFII otal depth to ground surface on	DAVIT REQUIRED, the production casir	, see reverse sie ng string,	de, line 31.)		ŀ					
B. Cement will be circulated from 25.1. PIT INFORMATION: Using more than	depth to _	dep	th by use of a to	vo stage cementing to ne 25.2 on top revers							
A. TYPE OF MUD SYSTEM:	X WATER BASED	OIL BASED	GAS BASED	(AIR DRILL)	e siue.	<u></u>					
B. EXPECTED MUD CHLORIDE PIT #1 C. TYPE OF PIT SYSTEM:	on-site off-sit	e X clos	ed Ifo	rage: 3000 ff-site, specify location	ppm. ::						
D. IS DEPTH TO TOP OF GROU	ND WATER GREATER THAN 1	0 FT BELOW BASE	OF PIT?	<u>X</u> YN		ito Dia A	۰				_

OCC USE ONLY	B. PH LOCATION:Alluvial Plain	Terrace Deposit	Bedrock Aquifer	Other H.S.A	Non-H.S.A. Fm; 💟	uncan	
	C. Special area or field rule?		D. DEEP SCA?	▼ Y N ¯	E. CBL required		i
	F. SOIL COMPACTED LINER REQUIRED?	Y X_N	G. 20 mil GEOME	MBRANE LINER REQU	JIRED?Y X N		
27. PROPOSED I	METHOD FOR DISPOSAL OF DRILLING FLUIDS (MUST BE COMPLET	ED)				٠
A. Eva	poration/dewater and backfilling of reserve pit.		•	,			
B. Publ	ic Landfill: Location						
C. Ann	ular Injection (REQUIRES PERMIT and surface casi	ng set 200 feet below	base of treatable water-l	bearing formation.)	PERMIT NO.		
X D. One	time land application (REQUIRES PE		MIT NO. 17-32				٠
E. Haui	to Commercial pit facility; Specify site:	,			Order No.		
F. Haul	to Commercial soil farming facility; Specify site:				Order No.		
	to recycling/re-use facility: Specify site:				Neder No.		-

I hereby ce tify I am authorized to submit this two page application prepared by me or under my supervision.

Hereby ce tify I am authorized to submit this two page application prepared by me or under my supervision.

Lacts are opposals made herein are true, correct and complete to the best of my knowledge and belief.

oposals made herein are true, correct and complete to the best of my knowledge and belief.

PHONE (AC/NO.) FAX (AC/NO.) 405-600-3065

Randy Stalcup 405-600-3063 t formmenced within six months of the date of approval. An approved permit must be posted at the location during drilling and completion operations.

File the Form 1001A, Spud Report, within fourteen days of commencement of operations.

F. WELLHEAD PROTECTION AREA?

25.2. PIT INFORMATION:			CE 24 HOURS I			ACE CASIN	IG.								
A. TYPE OF MUD SYSTEM B. EXPECTED MUD CHLO		maximum:	SM, ONO		(AIR DRILL) erage:	<u> </u>	ppm.								
PIT #2 C. TYPE OF PIT SYSTEM: D. IS DEPTH TO TOP OF G	On-site BROUND WATER GREA	off-site	CIO FT BELOW BAS		off-site, specify lo	ocation: N									
E. WITHIN 1 MILE OF MUN F. WELLHEAD PROTECTION	IICIPAL WATER WELL?		<u></u> X N		<i>—</i> —	-	Off-Sit	e Pit No	o						
26.2 OCC USE ONLY A. CATEGO	ORY 1A 1B 2	3 4 (nan			28. Lo	cate Bo	ttom Ho	ole				
B. PIT LOCATION: Alluvial C. Special area or field rule?	PlainTerrace		Z Bedrock Aqui P SCA? ★ Y	_	ner H.S. <u>A.</u> Nor CBL? Y					_ 528	30 —				
F. SOIL COMPACTED LINER RE 29 Bottom Hole Location SEC	TWP		20 mil GEOMEM COUNTY			-X N	2310					1	(man)		
for Directional Hole: SPOT LOCATION:			QUARTER fro	- NODTH IN		ACTUME	1650					 			
1/4 1/4 Measured Total		SECTION LI	NES:			AST LINE	990	$\neg \vdash$	_		\dashv	+			
Depth	True Vertical Depth		BHL from	m nearest Lease	e, Unit, Or Prope	erty Line:	330			╁┯┫			+-		
30. Bottom Hole Location for Horizonta							2310		-	+-1	-	+	X	Û N	
SPOT LOCATION:	WP 5N RGE	5W COUNT FEET FROM	TY I QUARTER fro	GRA m SOUTH LINE		AST LINE							-		
Depth of Deviation Radius	of Turn	SECTION LI		2,350	26: Total Length	5	1650	-		1		_	1		1
Massured Total	750			31	47	<u>57</u> _	990						-		
Depth 15,360	True Vertical Depth	10,25		int location from erty line:	nearest lease, t 265'	unit	330								
1.475D4 22 SEO T								660	1320	1980	660	1320	1980	26.40	
SPOT LOCATION:	WP RGE		QUARTER fro	om SOUTH LIN	E from W	VEST LINE			an two d	Irainhol	es are p	propose	d, atta	ch separ	ate
1/4 1/4 Depth of Deviation Radius	1/4 1/- s of Turn		NES: irection		Total Length				cating th must be						
Measured Total	True Vertical		Ir-un-	lationalisa form			3. Ple	ease no	te the h	orizonta	al drainl	hole an	d its en	d point n	
Depth	Depth Depth			int location from erty line:	nearest lease, t	unit	uni	it Direc	tional s					ase or sp inholes a	
LATERAL #3: SEC T	WP RGE	COLINI	TV				dire	ectional	l wells.						
SPOT LOCATION:			QUARTER fro	om SOUTH LIN	E from W	VEST LINE									
1/4 1/4 Depth of Deviation Radius	1/4 1/ s of Turn	4 SECTION LI	NES: irection		Total Length										
<u> </u>	True Vertical				1										
Measured Total				int location from	pooroet looco	unit	l								
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TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA APT 051-34310
6709 NORTH CLASSEN BLVD., OKLA CITY, OKLA 73116 * LOCAL (405) B43-4847 * OUT OF STATE (800) 654-3219

Certificate of Authorization No. 1293 LS

GRADY

County. Oklahoma 2396'FSL-566'FWL 13 Township 5Ň Range _ Section _ X 2093580 Y 575137 X 2096223 Y 575132 X 2098864 Y 575128 N EXISTING WEL Ø GRID NAD-27 OK SOUTH US FEET // Scale: BOIDE = 1000 EXISTING WELL X 2093585 Y 572496 Ω 1000' X 2098872 Y 572481 PROPOSED BOTTOM HOLE 2350'FSL-265'FEL NAD-27 34'54'18.7" N 97'40'16.1" W 34.905198470' N 97.671131591' W 246 SURFACE HOLE NAD-83 34.90548359* N 97.68630666* W PROPOSED DRILL PATH 207 PROPOSED LANDING POINT 2350'FSL-265'FWL NAD-27 34'54'19.0" N 97-41'13.2" W 34.905290975' N 97.686994354' W EXISTING WELL EXISTING WELL X: 2098607 Y: 572185 EXISTING WELL NAD-83 34,905269648 N 97,671444412 W X: 2093850 Y: 572204 2396 NAD-83 34.905361991" N 97.687307666" W EXISTING WELL Ц X 2093590 Y 569855 X 2096232 Y 569845 X 2098873 Y 569834 LANDING POINT, BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED. THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY **ELEVATION:** Operator: RED ROCK OIL & GAS OPERATING, LLC 1021' Gr. at Stake (NAVD 88) Lease Name: JONES 1021' Gr. at Stake (NGVD 29) Well No.: 1-13H Topography & Vegetation __Loc. fell in grass field, ± 205' E. of N-S pipeline & ± 250' N. of E-W pipeline Reference Stakes or Alternate Location Good Drill Site? None Stakes Set . From West off county road Best Accessibility to Location _ Distance & Direction From St. Hwy 19 in Bradley, Oklahoma, go \pm 0.8 mile Northwest on St. Hwy 19, then from Hwy Jct or Town \pm 0.2 mile North on county road, then \pm 3 miles East, \pm 1 mile North, \pm 1 mile West to the Southwest Corner of Section 13, T5N-R5W NO RESSIONAL Date of Drawing: Sept. 19, 2017 NAD-27 DATUM:. Invoice # 281583 Date Staked: Apr. 19, 2017 **NMB** LAT: 34'54'19.5" N LONG: 97'41'09.6" W **CERTIFICATE:** LAT: __34.905411565° N Thomas L. Howell LONG: 97.685991798' W _an Oklahoma Licensed Land THOMAS L URVE Surveyor and an authorized agent of Topographic Land HOWELL STATE PLANE Surveyors of Oklahoma, do hereby certify to the 1433 COORDINATES (US FEET): information shown herein. ZONE: OK SOUTH 9-20 *LAHOMA 2094151 Thoma I. Naves 572249 Oklahoma Reg. No. <u>143</u>3