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

(Rule 165:10-3-1)

API NUMBER: Horizontal Hole

Oil & Gas

051 24212

PERMIT TO DRILL

11/01/2017 Approval Date: **Expiration Date:** 05/01/2018

WELL LOCATION: Sec: 20 Twp: 9N Rge: 6W County: GRADY

SPOT LOCATION: NW NW NW FEET FROM QUARTER: NW NORTH FROM WEST

300 300

Lease Name: EATON FARMS 20-9-6

Well No: 1H Well will be 300

feet from nearest unit or lease boundary.

Operator Name:

JONES ENERGY LLC

Telephone: 5123282953

OTC/OCC Number:

21043 0

JONES ENERGY LLC

807 LAS CIMAS PKWY STE 350

AUSTIN.

78746-6193 TX

TIMOTHY O AND LORRI DAWN EASTON

1411 COUNTY ROAD 1213

TUTTLE

OK 73089

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

Name Depth MISSISSIPPIAN 1 10829 6

WOODFORD 2 11295 3 4

10

669156 Spacing Orders: Location Exception Orders: Increased Density Orders:

Pending CD Numbers: 201704043 Special Orders:

201707104

Total Depth: 15855 Ground Elevation: 1320 Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 360

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

PIT 1 INFORMATION

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?

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: DOG CREEK

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

Approved Method for disposal of Drilling Fluids:

PERMIT NO: 17-33291

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 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: DOG CREEK

HORIZONTAL HOLE 1

Sec 20 Twp 9N Rge 6W **GRADY** County Spot Location of End Point: S2 S₂ SW SW Feet From: SOUTH 1/4 Section Line: 165 Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 10768 Radius of Turn: 477 Direction: 177

Total Length: 4338

Measured Total Depth: 15855

True Vertical Depth: 11295

End Point Location from Lease,
Unit, or Property Line: 165

Notes:

Category

MEMO

Description

DEEP SURFACE CASING

10/18/2017 - G57 - 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

10/18/2017 - G57 - 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

10/18/2017 - G57 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201704043

10/31/2017 - G60 - (I.O.) 20-9N-6W X669156 MSSP, WDFD COMPL. INT. NCT 165' FNL/FSL, NCT 330' FWL

JONES ENERGY, LLC.

REC. 9/12/17 (THOMAS) REC. 10/30/17 (M. PORTER)

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 24212 EATON FARMS 20-9-6 1H

Category

Description

PENDING CD - 201707104

11/1/2017 - G60 - (E.O.) 20-9N-6W X669156 WDFD

1 WELL

JONES ENERGY, LLC REC. 10/30/17 (M. PORTER)

SPACING - 669156

10/31/2017 - G60 - (640)(HOR) 20-9N-6W VAC 168898 MSSLM EXT 661429 MSSP, WDFD, OTHER COMPL. INT. (MSSP) NCT 660' FB COMPL. INT. (WDFD) NCT 165' FNL/FSL, NCT 330'FEL/FWL

		,		
FILE ORIGINAL ONLY	APPLICATION TO	DRILL RECOMPLETE OR F	REENTER	FORM 1000
PLEASE TYPE OR USE BLACK INK		MA CORPORATION COMMISSION GAS CONSERVATION DIVISION		REV. 2007
21043	OIL & C	JIM THORPE BUILDING	TAXALLE TUDOLICE	1
2. API NUMBER	OKL	P.O. BOX 52000 AHOMA CITY, OK 73152-2000	WALK THROUGH	
3 5 65124212		(RULE 165:10-3-1)		
3. NOTICE OF INTENT TO: XX DRILL RECOMPLETE	(CHECK ONLY ONE) REENTER DEEPEN	AMEND - REASON		
NOTE: ATTACH COPY OF 4. TYPE OF DRILLING OPERATION >>>>>	1002-A IF RECOMPLETION OR RENTRY.		6. LOCATE WELL AND OUTLINE	
A XX STRAIGHT HOLE DI	RECTIONAL HOLEHOR	orizontal, see reverse side for bottom hole loc SZONTAL HOLE		
B. OIL/GASINJECTION	DISPOSAL WATER SUPPL	STRAT TEST SERVICE W	Z310 5280	<u>-</u>
5 WELL LOCATION: SECTION OF TOWNSHIP	RANGE COUNTY		1650	_[
20 09N	06W	GRADY		
NW 14 NW 14 NW 14	FEET FROM DUARTER 1/4 SECTION LINES:	ton Mei Hune from West line 300' 300'	990	
7. Well will be 300 '	feet from nearest unit or property bou	•	339	7
& LEASE NAME: EATON FARMS		#IH NUMBER	2310	T N
9. NAME OF OPERATOR:		EMAIL ADDRESS:	1650	7.
JONES ENERGY, L.L.C. 807 Las Cimas Parkwa	DC1aiborn	ne@JonesEnergy.com	990	1
CITY	ay, Ste. 350 ((512) 328-2953 ZIP CODE	330	1
Austin, 10. SURFACE OWNER (ONE DALY, ATTACH SHEE	Texas	78746-6193		يً
Timothy O. and Lorr:			11320	8
ADDRESS 1411 County Road 12			11. Is well located on lands under federal jurisdiction? Y YY N	Εa
CITY .	STATE	ZIP CODE	12. Will a water well be drilled? Y XX N	20 sec Eaton
Tuttle, 14. LIST TARGET FORMATIONS AND DEF	Oklahoma	73089	Will surface water be used? XX Y N 13. Date Operation to Begin	
	THIS OF EACH BELOW (LIMITED TO)	EN) TEMPO	Immediately	O9 No TOW Farms
1) MISSISSIPPIAN	10,829	6) EINIFU	KARY AUTHORIZATION	MELL TOWN
2) WOODFORD	11,295'	7)	TO DRILL	North TOWNSHIP ms 20-
3)		8)		I P
4)	5	9) Expiration D	ate: 1/-/-/7	16 10
(5)		Signature of	1102011 1 1 0	#1H *H1H
15. SPACING ORDER NUMBER(S) AND SI	TELINIT(S):	10) Oighate: 5. 1	165.10 460	06 West RANGE #1H
	.) Strat	test - Spa	cives N/1	. "
16. PLADING ALPLICATION C.D., NO. N/A	LOCATION EXCEPTION ORDER NO.	18. INCREASED DENSITY ORDER NO.		
18. TOTAL DEPTH 21. GROUND ELEV. 21. 1.320'	BASECE TREATMAND ZZ SU 3(A) WATER 1.	JRFACE CASING ZZ. ALT CASING PROGUS	SCANNED	
24. ALTEROVATIVE CASING PROCEDURE, check be	x and fill in blank (AFFIDAVIT REQUIRED, see	reverse side, line 31.)	30ANNED	
B. Cement will be circulated from	total depth to ground surface on the prod depth to	depth by use of a two stage cementing t	ipol.	
25.1. PIT INFORMATION: Lising more than one pit of A. TYPE OF MUD SYSTEM:	IT MUG SYSTEM? XX Y X WATER BASED OIL BASED	N If yes, fill out line 25.2 on top reverse six GAS BASED (AIR DRILL)	de.	
B. EXPECTED MUD CHLORIDE CONTI PIT #1 C. TYPE OF PIT SYSTEM:		ppm; average: 3000 pp troff-site, specify location		
	ATER GREATER THAN 10 FT BELOW BASE O			_ ·
F. WELLHEAD PROTECTION AREA?		N N	Off-Site Pit No.	
26.1 A. CATEGORY 1A OCCUSE ONLY B. PIT LOCATION:	. 1B 2 3 Alluvial Plain Terrace Deposit	4 (C) Bedrock Aquifer Other H.S.A.	Non-HSA Fitt Dog Creek Sh	ale (OKC)
C. Special area or field rule F. SOIL COMPACTED LINE		D. DEEP SCA? Y N G. 20 mil GEDMEMBRANE LINER REQU	E CBI required? Y N	7
27. PROPOSED METHOD FOR DISPOSAL A. Evaporation/dewater and back	OF DRILLING FLUIDS (MUST BE COM			
 B. Solidification of pit contents. 				
XXD. One time land application ——	(REQUIRES PERMIT)	g set 200 feet below base of treatable water-b PERMIT NO. $17-33291$	earing formation.)	
E. Haul to Commercial pit facility, F. Haul to Commercial soil farmin	Specify site:	<u> </u>	Order No.	
G Haul to recycling/re-use facility	Specify site:		Order No.	_ _
	sed system 2 sk			_
De facts and	i am aumonzed to submit this proposals made herein are thu	two page application prepared by a, correct and complete to the bes	me or under my supervision. t of my knowledge and belief	
SIGNATURE	NAME (Print or Type)	PHONE (ACINO.) FAX DATE	/
NOTICE: Approval is void if operations have	Robert Caro not commenced within six months of the	III (405) e date of approval. An approved permit must	447-4040 10/13/2017 be posted at the location during drilling and completion operation	ions. V

Eaton Farms 20-9-6-#1H AND NOTIFY DISTRICT OFFICE AND SURFACE OWNER 24 HOURS PRIOR TO SPUD, REENTRY OR RECOMPLETION 25.2 PIT INFORMATION: A. TYPE OF MUD SYSTEM WATER BASED XX OIL BASED GAS BASED (AIR DRILL) 300,000 B. EXPECTED MUD CHLORIDE CONTENT: maximum: average: 200,000 ppm. C. TYPE OF PIT SYSTEM: on-site: XXclosed D. IS DEPTH TO TOP OF GROUND WATER GREATER THAN 10 FT BELOW BASE OF PIT? XX E. WITHIN 1 MILE OF MUNICIPAL WATER WELL? Off-Site Pt No. F. WELLHEAD PROTECTION AREA? 25.2 DCC USE ONLY A CATEGORY 1A 1B 28. Locate Bottom Hote Fur: B. PIT LOCATION: Terrace Deposit Other H.S.A. Non-H.S.A. C. Special area or field rule? D. DEEP SCA? N E.CBL? F. SOIL COMPACTED LINER REQUIRED? G. 20 mil GEOMEMBRANE LINER REQUIRED? 29. Bottom Hole Location SEC COUNTY for Directional Hole: 1650 SPOT LOCATION EET FROM QUARTER tream SOUTH LINE two WESTLINE 1/4 SECTION LINES: Measured Total Depth True Vertical Denth BHL from nearest Lease, Unit, Or Property Line: 330 30. Bottom Hote Location for Horizontal Hole: (LATERALS) 777 777 LATERAL #1; TWP : RGE (COUNTY SPOT LOCATION T FROM QUARTER L. J. JUNE 1/4 1/4 1/4 1/4 SECTION LINES: Depth of Deviation Redius of Turn Total Length True veruca: Depth End Point location from nearest lease, unit or property line: SEC SICKAL FE COUNTY SPOT LOCATION EET FROM QUARTER free SOUTH LINE WEST LINE ECTION LINES: Death of Deviation Ractions of Turn Total Length 1. If more than two drainholes are proposed, attach separate sheet Direction indicating the necessary information. Measured Total Depth True Vertical Depti Direction must be stated in degrees azimuth. End Point location from nearest lease, unit 3. Please note the horizontal drainhole and its end point must be located or property line: LATERAL AL RGE COUNTY within the legal boundaries of the lease or spacing unit. Directional SPOT LOCATION EET FROM QUARTES SOUTH LINE - WEST LINE surveys are required for all drainholes and directional wells. 144 14 Redius of Turn Direction Total Length Measured Total Depth True Vertical Depth End Point location from nearest lease, unit or property line: 31. AFFIDAVIT FOR ALTERNATIVE CASING PROGRAM (Signature on front of this form attests to this affidavit) 1 This well WILL WILL NOT penetrate any known lost circulation zones. 2. During the drilling of this well, withdrawals from any water well within 1/4 mile WILL NOT exceed 50 gallons per minute. WILL 3. The projected depth of the well IS IS NOT less than 100 feet from the top of any enhanced recovery project or gas storage facility. 4. List the following for all water wells within 1/4 mile of this well. (Information concerning some water wells may be obtained from the OKLAHOMA WATER RESOURCES BOARD, 3800 N. Classen Bivd., Oklahoma City, OK 73118). IF NO WATER WELLS FOUND SO STATE: (ATTACH ADDITIONAL SHEET IF NECESSARY) e of Owner/Operator Address of Owner/Operator Location (Nearest 1/4 1/4 1/4) Depth of Well 5. A cement bond log is required to be run and submitted from not less than 100 feet below the base of the treatable water-bearing formation to the surface. 6. If casing depth is more than 250 feet deeper than base of the treatable water-bearing formation, operator must submit a letter of request listing reasons and precautions to be taken. INTENT TO DRILL CHECKLIST OCCUSE ONLY OCC USE ONLY OCC USE ONLY APPROVED REJECTED Deep surface casing: approved: notify occ field inspector immediately of any loss of cheulation or failure to cheulate rement to surface on any ronductor or surface A. NONE filed. B. EXPIRED: Date C. DUTSTANDING CONTEMPT ORDER 4. GEOLOGY Pits Paz: closed system = steel pits per operator request, pit DO NOT WRITE INSIDE THIS BOX 2 OBM returned to vender cuttings permitted per district Payor: ENERGY TWENTY-NINE 1503 RECEIPT : 10/18/2017 Emerg Walk Thru

Sec. 20-9N-6W I.M., JONES Well Location Plat Operator: JONES ENERGY, LTD. Lease Name and No.: EATON FARMS 20-9-6 1H 3505124212 Footage: 300' FNL - 300' FWL Gr. Elevation: 1320' Section: 20 Township: 9N Range: 6W County: Grady State of Oklahoma Terrain at Loc.: Location fell in semi flat, wide open pasture. X:2045593 X:2040319 N69°21'E (Grid Br.) 385' Y:696516 Y:696507 1"=1000" N69°22'E (Geod Br.) 385' **GPS DATUM** N89°55'15"E N89°55'15"E NAD 27 2637 300 OK SOUTH ZONE Surface Hole Loc.: Lat: 35°14'46.76"N ENTRY POINT: Lon: 97°51'50.29"W 289 R.C 165' FNL - 660' FW 300' X: 2040620 Y: 696208 Entry Point: N00°04'12"W 2640' Lat: 35°14'48.09"N Lon: 97°51'45.95"W X: 2040979 Y: 696343 Bottom Hole Loc.: Lat: 35°13'59.13"N S00°04'E (Geod Br.) 4950 \$00°05'E (Grid Br.) 4950 Lon: 97°51'45.95"W X: 2040986 Y: 691393 'NS 288 RD' N00"04'12"W 2640'-BOTTOM HOLE LOC 165' FSL - 660' FWL "EW 123 RD" -2639'S89°54'08"W S89°54'08"W X:2045605 X:2040327 Y:691227 Y:691237 survey and plat by, Arkoma Surveying and Mapping, PLLC P.O. Box 238 Wilburton, OK 74578 Certification: Ph. 918-465-5711 Fax 918-465-5030 CENSED Certificate of Authorization No. 5348 Expires June 30, 2018 This is to certify that this Well Location Plat represents LANCE G. SURVEYOR MATHIS the results of a survey made on the ground performed under the supervision of the undersigned. Invoice #6813 Date Staked: 06/26/17 By: J.L. Date Drawn: 06/27/17 By: C.K. OKLAHOMA Revised Lease Name: 10/12/17 By: R.S. 10/13/17 Rev Entry Point & BHL: 10/13/17 By: R.S. LANCE G. MATHIS **OK LPLS 1664**