API NUMBER: 043 23615

Oil & Gas

Horizontal Hole

Category of Pit: C

Liner not required for Category: C
Pit Location is AP/TE DEPOSIT
Pit Location Formation: TERRACE

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

Approval Date:	04/24/2018
Expiration Date:	10/24/2018

PERMIT TO DRILL

WELL LOCATION: Sec: 02 Twp: 17N Rge: 14W	County: DEV	VEY				
0. 0. 200,0 02 02 02	FROM QUARTER: FROM	SOUTH FROM	EAST			
SECTI	ION LINES:	259	270			
Lease Name: PALMER	Well No:	1-12H		Well will be	259 feet from neare	st unit or lease boundary.
Operator COUNCIL OAK RESOURCES LLC Name:		Telephone: 91	85130900	C	OTC/OCC Number:	23853 0
COUNCIL OAK RESOURCES LLC 6120 S YALE AVE STE 1200	00.40.44		A. J. WILC			
TULSA, OK 741:	36-4241		CANTON		OK 7	3724
1 MISSISSIPPIAN 2 3 4 5 Spacing Orders: N. S	10484 Location Exception	6 7 8 9 10 n Orders:)	Incr	eased Density Orders:	
No Spacing						
Pending CD Numbers: 201802569 201802960				Spe	cial Orders:	
Total Depth: 16300 Ground Elevation: 1823	Surface	Casing: 1000		Depth to	base of Treatable Wate	r-Bearing FM: 300
Under Federal Jurisdiction: No	Fresh Wate	er Supply Well Drilled:	No		Surface Water u	sed to Drill: Yes
PIT 1 INFORMATION		Ap	proved Method for o	disposal of Drilling	Fluids:	
Type of Pit System: CLOSED Closed System Means Steel P Type of Mud System: WATER BASED Chlorides Max: 65000 Average: 6500 Is depth to top of ground water greater than 10ft below base of p			One time land app	olication (REQUIF	RES PERMIT)	PERMIT NO: 18-3431
Within 1 mile of municipal water well? N Wellhead Protection Area? N Pit is located in a Hydrologically Sensitive Area.						

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED
Chlorides Max: 350000 Average: 250000

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. 12 Twp 17N Rge 14W County **DEWEY** Spot Location of End Point: SE SW SW SW Feet From: SOUTH 1/4 Section Line: 65 Feet From: WEST 1/4 Section Line: 380

Depth of Deviation: 10372 Radius of Turn: 573 Direction: 175

Total Length: 5028

Measured Total Depth: 16300
True Vertical Depth: 11289
End Point Location from Lease,
Unit, or Property Line: 65

Notes:

Category Description

DEEP SURFACE CASING 4/19/2018 - 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 4/19/2018 - 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

INTERMEDIATE CASING 4/19/2018 - 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

MEMO 4/19/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 -

OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

Description Category

4/19/2018 - G75 - (E.O.)(640)(HOR) 12-17N-14W VAC 101867 MSSLM PENDING CD - 201802569

EXT 658277 MSSP, OTHERS POE TO BHL NCT 660' FB COUNCIL OAK RESOURCES, LLC REC 4-23-2018 (JOHNSON)

PENDING CD - 201802960 4/19/2018 - G75 - (E.O.) 12-17N-14W

X201802569 MSSP

COMPL. INT. NCT 165' TO NL, NCT 165' TO SL, NCT 330' TO WL

COUNCIL OAK RESOURCES, LLC REC 4-23-2018 (JOHNSON)

APPLICATION TO DRILL, RECOMPLETE OR REENTER

FORM 1000 REV. 2014

FILE ORIGINAL ONLY	med A			REV. 2014
1. OTC/OCC OPERATOR NUMBER		HOMA CORPORATION COMMISSION & GAS CONSERVATION DIVISION	BATCH NUMBER (OCC USE ONLY)	
23853		JIM THORPE BUILDING P.O. BOX 52000		586
2. API NUMBER	(OKLAHOMA CITY, OK 73152-2000 (RULE 165:10-3-1)	WALK THROUG	H
3. NOTICE OF INTENT TO:	(CHECK ONLY ONE)		man and a state of the experience of the S	1 -1
X DRILL RECOMPLETE	REENTER DEEPEN Y OF 1002-A IF RECOMPLETION OR RE	AMEND - REASON	6. LOCATE WELL AND OUTLINE	
4. TYPE OF DRILLING OPERATION >>:	>>>>> (NOTE: If directional of	or horizontal, see reverse side for bottom hole loca		
A. STRAIGHT HOLE B. X OIL/GAS INJECTION		ORIZONTAL HOLE PPLY STRAT TEST SERVICE WE	11 5290	
	DIGITOGRE VARIENCE	SERVICE VE	2310 5280	
5. WELL LOCATION: SECTION 2 TOWNSHIP 17	N RANGE 14W COUNT	DEWEY	1650	
SPOT LOCATION:		RTER from SOUTH LINE from EAST LINE		
SE 1/4 SE 1/4 SE	1/4 SE 1/4 SECTION LINES:	259' 270'	990	
7. Well will be 259'	feet from nearest unit or property t		330	Û
8. LEASE NAME:	PALMER	WELL NUMBER: 1-12H	2310	N
9. NAME OF COUNCIL OAI	RESOURCES	EMAIL ADDRESS: CODYD@COUNCILOAK.NET	1650	
ADDRESS 6120 S Y	ALE SUITE 1200	HONE (AC/NUMBER) 918-513-0900	990	
CITY TULSA	STATE	OK ZIP CODE 74136	330	
10. SURFACE OWNER (ONE ONLY, ATTACH SHEE	-	74100		
	-	A.J. WILCOX	2640 1980 1320 660 660 1980 1980 1320 660	
ADDRESS	HC 65 BOX	.111	11. Is well located on lands under federal jurisdiction' Y X N	1
CANTON	STATE	OK ZIP CODE 73724	12. Will a water well be drilled Y X N	2 SEC
44 LICT TARCET FORMATIONS AND DET	THE OF SACILOTION AND TO TEN		Will surface water be user X Y N N 13. Date Operation to Begin	1
14. LIST TARGET FORMATIONS AND DEP	THIS OF EACH BELOW (LIMITED TO TEN		ASAP	
1) MISSISSIPPIAN 10.484		TEMPORARY I	AUTHURIZATION	PAL 1
2)		7) TO	DRILL	17N TOWNSHIP PALMER
3)		8).		
4)		9) Dotai	4-27-2018	, , , ,
(5)		Expiration Date:	10 il 10/10	14W RANGE 1-12h
15. SPACING ORDER NUMBER(S) AND SI	ZE UNIT(S):	Signature: Charles	a fine strong	m
16. PENDING APPLICATION C.D. NO.	4/-23-2018 17. LOCATION EXCEPTION ORDE	163	10-5-1-1	
201802569, 2960	_:.			
19. TOTAL DEPTH 20. GROUND ELEV. 16,300' 1823'	21. BASE OF TREATABLE WATER 22 300'	2. SURFACE CASING 23. ALT CASING PROGU 1000' Y X N	SED?	
24. ALTERNATIVE CASING PROCEDURE,		UIRED, see reverse side, line 31.)		
B. Cement will be circulated from	otal depth to ground surface on the produc	uon casing string. depth by use of a two stage cementing tool.		
25.1. PIT INFORMATION: Using more than of A. TYPE OF MUD SYSTEM:	one pit or mud system? x Y X WATER BASED OIL BA	N If yes, fill out line 25.2 on top reverse s SED GAS BASED (AIR DRILL)	ide.	
B. EXPECTED MUD CHLORIDE	CONTENT: maximum: 6	55,000 ppm; average: 6,500	ppm	
PIT #1 C. TYPE OF PIT SYSTEM: D. IS DEPTH TO TOP OF GROU	on-siteoff-site ND WATER GREATER THAN 10 FT BELC	X closed If off-site, specify location: W BASE OF PIT? X Y N		
E. WITHIN 1 MILE OF MUNICIPA F. WELLHEAD PROTECTION A		<u>x</u> N	Off-Site Pit No.	
26.1 A. CATEGORY	1A 1B 2 3 4 C			
OCC USE ONLY B. PIT LOCATION: C. Special area or field	Alluvial Plain Terrace Depo	D. DEEP SCA? Other H.S	ANon-H.S.A. Fm: Process N E. CBL required? Y X N	
F. SOIL COMPACTED	LINER REQUIRED?Y	N G. 20 mil GEOMEMBRANE LINER RI		
 PROPOSED METHOD FOR DISPOSAL A. Evaporation/dewater and back 		ETED)		
B. Public Landfill: Location C. Annular Injection (REQUIRES	PERMIT and surface casing not 200 feet by	elow base of treatable water-bearing formation.)	PERMIT NO	
X D. One time land application	(REQUIRES PERMIT)	PERMIT NO18-34311		
 E. Haul to Commercial pit facility; F. Haul to Commercial soil farming 			Order No.	
G. Haul to recycling/re-use facility H. Other, Specify	Specify site:	Steel Dits · Pita- N	BM to vendor, OBM cu	Hings in
				District/
		o page application prepared by me or un orrect and complete to the best of my kn	der my supervision:	
SIGNATURE A	NAME (Print or Type)	PHONE (AC	(NO.) FAX (AC/NO.) DATE	
NOTICE: Approval is void if operations have		ate of approval. An approved permit must be posted	392-1555 405-692-8392 04/18/18 at the location during drilling and completion operations	s. (/
	File the Form 1001A, Spud Repor	t, within fourteen days of commencement of operation	ns.	V

	NOTIF	Y DISTRICT OF	IOL 24 HOOK												
5.2. PIT INFORMATION:	WATER BAS	sen	OII BASES	CAR BACES	(VID DDII I)										
A. TYPE OF MUD SYSTEM: B. EXPECTED MUD CHLORI		maximum:	OIL BASED 350,000	GAS BASED (0,000	ppm.								
T #2 C. TYPE OF PIT SYSTEM:	on-site	off-site	, X	closed If or	off-site, specify loc										
D. IS DEPTH TO TOP OF GR				E OF PIT?	_x_Y	N	0.5.0	0::11							
E. WITHIN 1 MILE OF MUNIC F. WELLHEAD PROTECTION		Y -x	Y _X N			,	Off-Site	Pit No							
2 OCC USE ONLY A. CATEGOR			(C)	Fm: Te	rrace	2_		28. Loc	ate B	ottom F	ole				
B. PIT LOCATION: Alluvial	Plain Terrac	ce Deposit	Bedrock A	Aquifer Oth		n-H.S.A.									
C. Special area or field rule?	NUDEDO .		EP SCA?		CBL? Y	X N	-		_	_ 52	80 —				1
F. SOIL COMPACTED LINER REQ Bottom Hole Location SEC	TWP	RGE	COUNTY	EMBRANE LINER REC	QUIRED Y	N	2310	į	og (change) (i				
for Directional Hole:							1650	····				1			1
OT LOCATION: 1/4 1/4	1/4	1/4 SECTION L	VI QUARTER	from SOUTH LINE	from W	EST LINE	-	-	<u></u>						1
asured Total	True Vertical	174 JOEOTIONE		from nearest Lease,	Unit, Or Property	y Line:	990	-	of Pilate	100	***	-			
ith Bottom Hole Location for Horizontal F	Depth						330								1
Bottom Adie Education for Adrizontal P	HOIE. (LATERALS)							\rightarrow		3		+	1	î N	
	NP 17N RGE	14W COUN		DEW	EY		2310		1						1
T LOCATION: 1/4 SW 1/4 SW	/ 1/4 SW	FEET FROM 1/4 SECTION L	M QUARTER	from SOUTH LINE	from W 380	EST LINE	1650	and a feature	Chemina		1				
th of Deviation Radius			Direction	00	Total Length					-		-	-		1
372	573		17		5028		990		1						
sured Total 16,300	True Vertical Depth	11,1		Point location from ne roperty line:	earest lease, unit 65'	t]	330		1	Carried Control	And Statement of the St	-			1
	[Dobu)		Tot be	oporty into,	00		L	. 660	13	19	660	13	19 28		
ERAL #2: SEC TV	NP RGE	COUN	ITY					. 6	1320	1980	ö	1320	2640 1980		
T LOCATION:		FEET FROM	M QUARTER	from SOUTH LINE	from W	EST LINE								ch separa	te
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CONCLOAR Well Location Plat

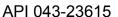
Operator: COUNCIL OAK RESOURCES, LLC

Lease Name and No. : PALMER 1-12H

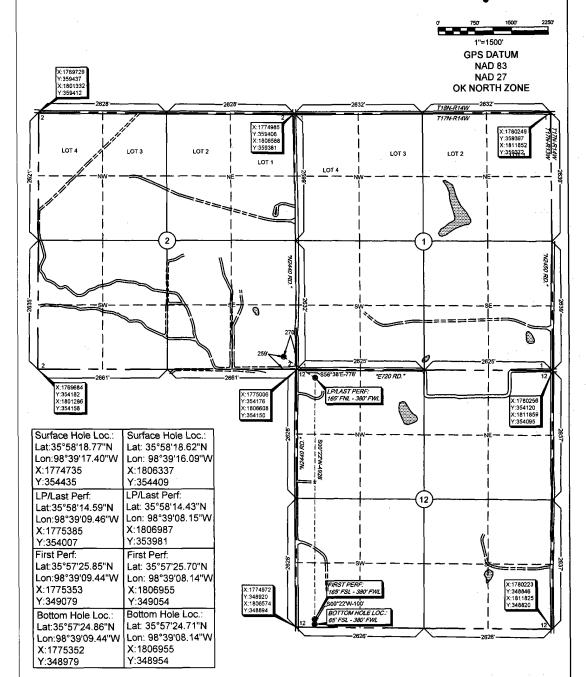
Footage: 259' FSL - 270' FEL Gr. Elevation: 1823' Section: 2 Township: 17N Range: 14W I.M.

County: Dewey State of Oklahoma

Terrain at Loc.: Location fell on a hill with the elevation dropping North to South.







-Please note that this location was staked on the ground under the aupervision of a Licenade Protessional Land Surveyor, but the accuracy of this surveys is not guaranteed. Please contact Arkoma Surveying and Mapping promptly if any inconsistancy to determined. OFS data is observed from RTN - GPS - NOTE. X and Y data shown hereon for Section Corners may NOT have been surveyed on-the-ground, and further, does NOT represent a true Boundary Survey-Quarter Section distances may be assumed from a Government Survey Plat or essumed at a proportionate distance from opposing section corners, or occupation thereof, and may not have been measured on-the-ground, and further, does not monteant a true bounders varives.

survey and plat by

Arkoma Surveying and Mapping, PLLC

P.O. Box 238 Wilburton, OK 74578 Ph. 918-465-5711 Fax 918-465-5030 Certificate of Authorization No. 5348

Expires June 30, 2018 Invoice #7733~B

Date Staked : 04/09/18 By : J.L. Date Drawn : 04/10/18 By : J.K.

Certification:

This is to certify that this Well Location Plat represents the results of a survey made on the ground performed under the supervision of the undersigned.



04/11/18 OK LPLS 1664

