API NUMBER: 027 21504

**Directional Hole** 

Oil & Gas

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

Approval Date: 12/08/2021 06/08/2023 Expiration Date:

**PERMIT TO DRILL** 

WELL LOCATION:	Section: 01	Township: 9N	Range: 2W	County:	CLEVELAND					
SPOT LOCATION:	SE NW NW	NW FEET F	ROM QUARTER: FRO	M NORTH	FROM WEST					
			SECTION LINES:	600	600					
Lease Name:	LR RANCH		Well	No: 1-2ER		Well will be	600 feet from	nearest unit o	or lease boundary.	
Operator Name:	GULF EXPLORATION L	LC	Telepho	one: 40584033			ОТО	C/OCC Numb	per: 20983 0	
GULF EXPLO	RATION LLC			LR RANCH OPERATING COMPANY LP						
9701 N BROA	ADWAY EXT									
OKLAHOMA	CITY.	OK 73114	-6316			ΙE				
	,				NORMAN		OK	73026		
							O.C	70020		
Formation(s)	(Permit Valid for Li	sted Formations	Only):							
Name		Code	Depth	ı	Name		Code		Depth	
1 CLEVELAND	)	405CLVD	5785		6 BARTLESVILLE		404BRV	′L	6550	
2 OSWEGO		404OSWG	6350		7 PENN BASAL (BA	SAL PENN UNC	() 401BPB	PU	6630	
3 PRUE		404PRUE	6360		8 HUNTON		269HNT	'N	6660	
4 SKINNER		404SKNR	6525		9 VIOLA		202VIO	Ĺ	6980	
5 RED FORK		404RDFK	6540							
Spacing Orders:	719764		Location E	xception Orders	No Exceptions		Increased Der	nsity Orders:	No Density	
Pending CD Number	ers: No Pending		Workin	g interest owne	rs' notified: ***		Spe	ecial Orders:	No Special	
Total Depth: 7600 Ground Elevation: 1112 Surface Casing: 1130 Depth to base of Treatable Water-Bearing FM: 1080						; FM: 1080				
Under Federal Jurisdiction: No					Approved Method for disposal of Drilling Fluids:					
Fresh Water Supply Well Drilled: No				D. One time land application (REQUIRES PERMIT) PERMIT NO: 21-38002						
Surface	e Water used to Drill: No				H. (Other)		CLOSED SYSTEM RIVER)	=STEEL PITS	(REQUIRED - LITTLE	
PIT 1 INFOR	ΜΑΤΙΩΝ				Category o	f Pit: C				
Type of Pit System: CLOSED Closed System Means Steel Pits				Liner not required for Category: C						
Type of Mud System: WATER BASED				Pit Location is: BED AQUIFER						
Chlorides Max: 5000 Average: 3000				Pit Location Formation: GARBER						
Is depth to	top of ground water greate	r than 10ft below bas	e of pit? Y							
Within 1 r	mile of municipal water well	? Y								

**DIRECTIONAL HOLE 1** 

Section: 2 Meridian: IM Township: 9N Range: 2W

Wellhead Protection Area? Y located in a Hydrologically Sensitive Area.

County: CLEVELAND Spot Location of End Point: NW NWSE NE

> Feet From: NORTH 1/4 Section Line: 1340 End Point Location from Lease, Unit, or Property Line: 1300 Feet From: EAST 1/4 Section Line: 1309

Measured Total Depth: 7600

True Vertical Depth: 7291

NOTES:

Category	Description
COMPLETION INTERVAL	$\hbox{\tt [12/8/2021-G56]-COMPLETION\ INTERVAL\ WILL\ NOT\ BE\ CLOSER\ THAN\ 660'\ FB\ PER\ OPERATOR;}$
HYDRAULIC FRACTURING	[12/7/2021 - GC2] - OCC 165:10-3-10 REQUIRES:
	1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN;
	2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,
	3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG
PUBLIC WATER SUPPLY	[12/7/2021 - GC2] - ROBIN HILL SCHOOL, NW/4 1-9N-2W
SPACING - 719764	[12/8/2021 - G56] - (160) NE4 2-9N-2W VAC OTHER EST OTHER EXT 423932 CLVD, OSWG, PRUE, SKNR, RDFK, BRVL, BPBPU, HNTN, VIOL, OTHERS
SURFACE CASING	[12/7/2021 - GC2] - NO DEEP SURFACE CASING DUE TO PUBLIC WATER SUPPLY BOUNDARY

### Well Location Plat

# M & M Land Surveying, Inc. 520 "E" Street NW. Ardmore, OK. 73401 Office 580-226-0446 Mobile 580-221-4999

any Name: <u>Gulf Exploration, LLC</u> Lease Name: <u>L R Rar</u>							ch #1-2ER		
11	Township	9 North	_ Range2	West	County	Cleve	eland Oklahoma		
e Location _	600' FNL - 600' F	WL	Elevati 1112	on G	ood Location Yes	_	Topography ocation fell in sloping		
I2	ndian Hills Rd.	N 89°47'13" E 526þ.18'	•	T		р	asture with scattered rush.		
600'	1	i				-			
00 <del>' -                                  </del>	LOT	3	LOT 2	   	LOT 1				
							RID NORTH		
	1				1318.19'	S 00°18'31" E	Bearings are GRID NORTH		
		Section 1 T9N R2W		   			SCALE 1" = 1000'		
				<u>.</u> [			Job # 21109 Date 11/16/2021		
			, ,		2636.39	31" W	NAD 83 OK South Surface Location Latitude: 35.289120° Longitude: 97.368711° N= 712,368' E=2,156,905'		
j		N 89°25'54" E		   			NAD 27 OK South Surface Location Latitude: 35.289054° Longitude: 97.368401° N= 712,324' E=2,188,502'		
		5278.34				Be	st Accessibility to Location from the West		
on From Se	te intersection of Intertion 1.				Northwest C				
CER  (arry McClintick that the above  D. Harry I  ccation has been s records available teed. Please revie	t, a Registered Land Sudescribed Well Location  McClintick, R.P.L.S. #  staked according to the bull to us, but its accuracy is the two this plat and notify us	30   2021   1367, CA # 3093   est official	e of Oklahoma, do nd staked on the g	hereby ground as		E A A A A A A A A A A A A A A A A A A A	D. HARRY OF MCCLINTICK CONTROL OF LAHOMP		
	te & The 600'  100' © LOT 4  LOT 4  To From Selection The Selection From CER arry McClintick that the above that the above the cate of Please review of the selection of the sel	The intersection of Ir Section 1.  Use & The intersection of Ir Section 1.  LOT 4  CERTIFICATE:  arry McClintick, a Registered Land Su that the above described Well Location.  D. Harry McClintick, R.P.L.S. # cation has been staked according to the best staked according to the	Indian Hills Rd. N 89°47′13″ E  Indian Hills Rd. N 89°47′13″ E  Section 1  TON R2W  Section 1  TON R2W  N 89°25′54″ E  5278.34′  The intersection of Indian Hills Rosent Section 1.  Ton From From From From From From From From	Indian Hills Rd. N 89°47'13" E  Indian Hills Rd. N 89°47'13" E  Indian Hills Rd. N 89°47'13" E  Section 1  T9N R2W  N 89°25'54" E  5278.34'  The intersection of Indian Hills Road and 48th At 5278.34'  CERTIFICATE:  arry McClintick, a Registered Land Surveyor in the state of Oklahoma, dot that the above described Well Lecation was surveyed and staked on the g  D. Harry McClintick, R.P.L.S. # 1367, CA # 3093 cation has been staked according to the section possession of the section possession of the section possession of the section possession was surveyed and staked on the g  D. Harry McClintick, R.P.L.S. # 1957, CA # 3093 cation has been staked according to the section possession of the section possession of the section possession was surveyed and staked on the g  D. Harry McClintick, R.P.L.S. # 1957, CA # 3093 cation has been staked according to the section possession between the section possession of the section possession between the section possession was surveyed and staked on the g  D. Harry McClintick, R.P.L.S. # 1957, CA # 3093 cation has been staked according to the section possession p	Indian Hills Rd.  Section L  Township 9 North Range 2 West Elevation G  1112'  Indian Hills Rd. N 89°47'13" E  Socion L  Toyn R2W  N 89°25'54" E  5278.34'  The intersection of Indian Hills Road and 48th Ave. is the Son From Section 1.  By or Town  CERTIFICATE:  arry McClintick, a Registered Land Surveyor in the state of Oktahoma, do hereby that the above described, Well Location was surveyed and staked on the ground as  130 120-21  D. Harry McClintick, R.P.L.S.# 1367, CA# 3093  action has been staked according to the best official records available to us, but its accuracy is not tech Please review this plat and notify us	Indian Hills Rd. N 89°47'13" E  Indian Hills Rd. N 89°47'13" E  Indian Hills Rd. N 89°47'13" E  LOT 3 LOT 2 LOT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Location 600' FNL - 600' FWL Elevation Good Location?  Indian Hills Rd. N 89°47'13' E  Indian Hills Rd. N 89°47'13' E  LOT 3 LOT 2 LOT 1  Section 1  T9N R2W  N 89°25'54' E  5278.34'  Becate The intersection of Indian Hills Road and 48th Ave. is the Northwest Corner of Section 1.  To Town Section 1  The intersection of Indian Hills Road and 48th Ave. is the Northwest Corner of Section 1.  To Town CERTIFICATE:  arry McClintick, a Registered Land Surveyor in the state of Oklahoma, do hereby that the above described Well Lecation was surveyed and staked on the ground as The Jary McClintick, R.P.L.S. # 1367, CA # 3093		

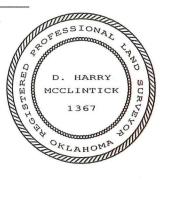
# **Topography Plat**

M & M Land Surveying, Inc. 520 "E" Street NW. Ardmore, OK. 73401 Office 580-226-0446 Mobile 580-221-4999

Company Name:	Gulf Exploration, LI	LC	Lease Name:		L R Ranch #1-2ER		
Section1	Township9		2 West	County C	leveland	Oklahoma	
Surface Location _	600' FNL - 600' FWL	E	levation Go 1112' Go	ood Location? Yes	Тор	oography	
	ndien Hills Rd. NE	39°47'13".E .	50/	(//XL)		fell in sloping with scattered	
	t Hill Sch	Section 1 9N R2W  899 5:54" E 5278 96 7			SCAL O'  Job # 9  Date  NAD Surf Latitud Longitu N= 712 E=2,15  NAD Surf Latitud Longitud Longitud E=2,18  Best Acce From the	83 OK South face Location le: 35.289120° lde: 97.368711° lde: 97.368711° lde: 97.368711° lde: 35.289054° lde: 97.368401° lde: 97.368401° lde: 97.368401° lde: 98.502' lssibility to Location	
Distance & T Direction From S	he intersection of India ection 1.	n Hills Road and 48	8th Ave. is the	Northwest Corner	of		
Highway or Town							
	RTIFICATE:				A POEE	SSIONAL LE	
I, D. Harry McClintic certify that the above shown.	ck, a Registered Land Surveyo e described Well Location was	or in the state of Oklaho s surveyed and staked o	oma, do hereby on the ground as		N 9 #	HARRY	

D. Harry McClintick, R.P.L.S. # 1367, CA # 3093

This location has been staked according to the best official survey records available to us, but its accuracy is not guaranteed. Please review this plat and notify us immediately of any discrepancy.

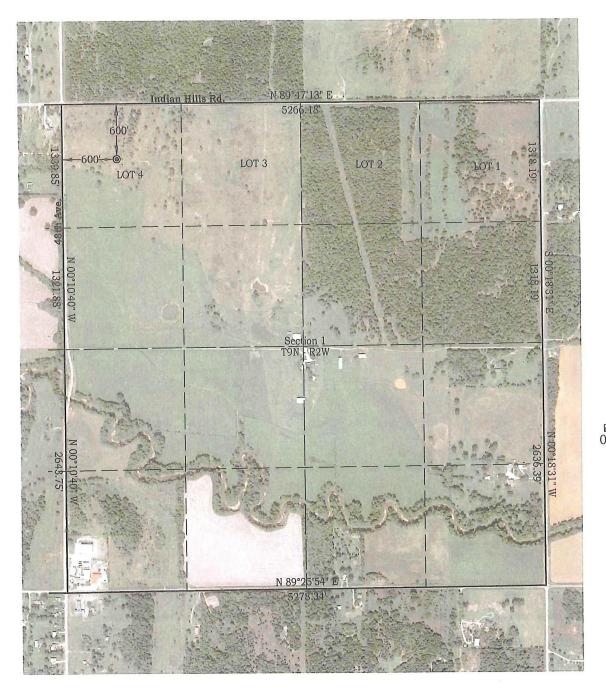


Company Name: Gulf Exploration, LLC Lease Name: LR Ranch #1-2ER

Section 1 Township 9 North Range 2 West County Cleveland Oklahoma

Surface Location 600' FNL - 600' FWL 1112' Good Location?

Yes



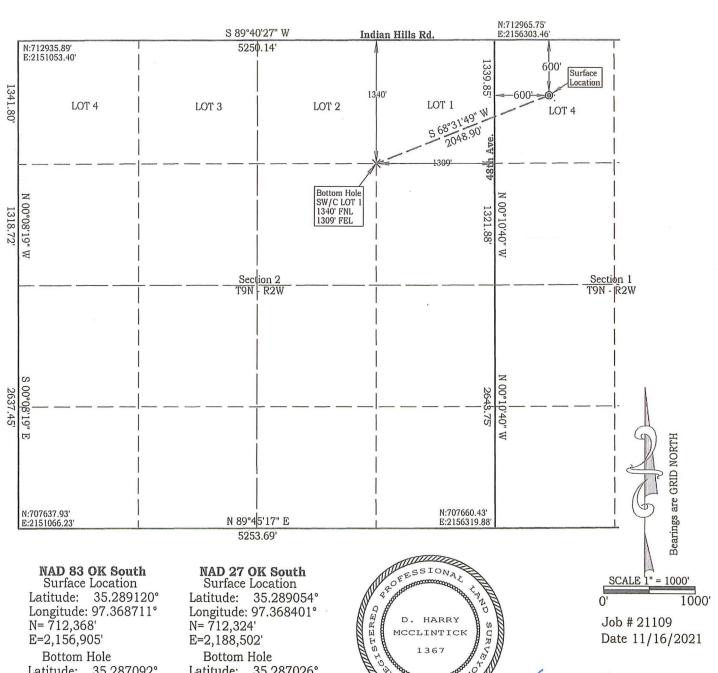


#### **Permit Plat**

## M & M Land Surveying, Inc. 520 "E" Street NW. Ardmore, OK. 73401 Office 580-226-0446 Mobile 580-221-4999

Company Name:	Gulf Exploration, LLC			Lease Name:	LRR	anch #1-2ER	
Section1	Township _	9 North	Range	2 West	County	Cleveland	Oklahoma
Surface Location _	600' FNL - 600'	FWL	E	levation 1112'			

#### ALL SECTION CORNER COORDINATES ARE NAD 83



Latitude: 35.287092° Longitude: 97.375115° N= 711,618' E=2,154,999'

Latitude: 35.287026° Longitude: 97.374805° N= 711,574' E=2,186,596

W. STERED OKLAHOMP D. Harry McClintick, R.P.L.S. # 1367, CA # 3093

> This location has been staked according to the best official survey records available to us, but its accuracy is not guaranteed. Please review this plat and notify us immediately of any discrepancy.