API NUMBER: 051 24687	A	OIL & GAS	S CONSERVA P.O. BOX 52 OMA CITY, O	K 73152-2000		Approval Date Expiration Date	
Horizontal Hole Oil & Gas Multi Unit			(Rule 165:10	J-3-1)			
Amend reason: OCC CORRECTION - SHL	CHANGE	AME	END PERMIT	TO DRILL			
WELL LOCATION: Sec: 22 Tw	p: 6N Rge: 5W	County: GRAD)Y				
			SOUTH FROM	WEST			
	SECTION L	JNES:	1030	2410			
Lease Name: GALVIN		Well No:	4-22-15XHW		Well will be	1030 feet from nea	rest unit or lease boundary.
Operator CONTINENTAL Name:	RESOURCES INC		Telephone:	4052349020; 4052349)	OTC/OCC Number	: 3186 0
CONTINENTAL RESOU	RCES INC					F THE LAND OFF	ICE STATE OF
PO BOX 269000	04 72126	0000		OKLAHON			
OKLAHOMA CITY,	OK 73126	-9000		PO BOX 2			70400
				OKLAHON		OK	73126
Formation(s) (Permit Vali Name	d for Listed Formations	S Only): Depth		Name		De	pth
1 MISSISSIPPIAN		12069		6			pm
2 WOODFORD		12296		7			
3 HUNTON		12485		8			
4				9			
5				10			
Spacing Orders: 147146 590519		Location Exception	Orders:		lr 	ncreased Density Orders	
Pending CD Numbers: 201903619					S	pecial Orders:	
201903620							
201903621							
201903667							
201903668							
Total Depth: 20031 G	round Elevation: 1156	Surface (Casing: 1500)	Depth	to base of Treatable Wa	ater-Bearing FM: 290
Under Federal Jurisdiction: No		Fresh Water	Supply Well Drille	d: No		Surface Wate	er used to Drill: Yes
PIT 1 INFORMATION			ŀ	Approved Method for d	isposal of Drilli	ng Fluids:	
Type of Pit System: CLOSED Close							
Type of Mud System: WATER BAS	ED			D. One time land appl	ication (REQ	UIRES PERMIT)	PERMIT NO: 19-36761
Chlorides Max: 3000 Average: 2000	or then 10ft below been a start	V	-	H. SEE MEMO			
Is depth to top of ground water greate Within 1 mile of municipal water well?		r	_				
Wellhead Protection Area? N	Illy Constitute Area						
Pit is located in a Hydrologica Category of Pit: C	ily Sensitive Area.						
Liner not required for Category: C							
Pit Location is BED AQUIFER							
Pit Location Formation: DUNCAN	ı						

 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
 C

Pit Location is BED AQUIFER Pit Location Formation: DUNCAN

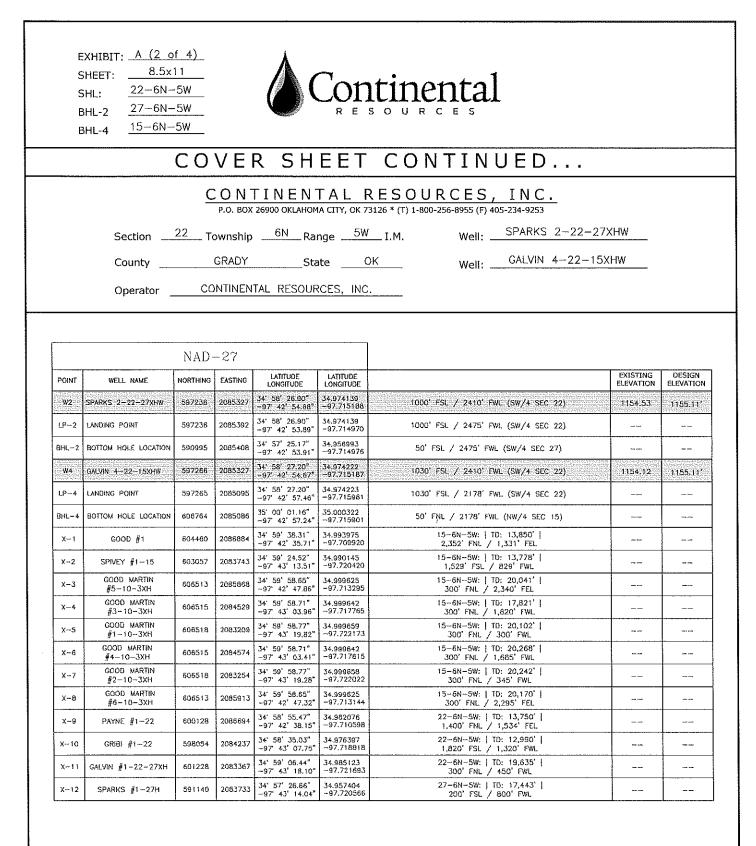
HORIZONTAL HOLE 1

Sec 15	Twp	6N	Rge	5W	County	GRADY
Spot Location	n of En	d Poin	t: N\	N NE	NE	NW
Feet From:	NOF	RTH	1/4 Sec	ction Lin	ie: 50)
Feet From:	WE	ST	1/4 Se	ction Lir	ie: 21	78
Depth of Dev	iation:	1188	9			
Radius of Tur	m: 48	88				
Direction: 3						
Total Length:	7376	i				
Measured Total Depth: 20031						
True Vertical	Depth	: 124	85			
End Point Lo	cation	from L	ease,			
Unit, or	Proper	ty Line	e: 50			

Notes:	
Category	Description
DEEP SURFACE CASING	7/17/2019 - G71 - 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	7/17/2019 - 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
МЕМО	7/17/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201903619	8/6/2019 - GB1 - (I.O.)(640) 15-6N-5W EXT 626437 WDFD REC. 8/5/2019 (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 24687 GALVIN 4-22-15XHW

Category	Description
PENDING CD - 201903620	8/6/2019 - GB1 - 15-6N-5W X201903619 WDFD 4 WELLS CONTINENTAL RESOURCES, INC REC. 8/5/2019 (M. PORTER)
PENDING CD - 201903621	8/6/2019 - GB1 - 22-6N-5W X590519 WDFD 9 WELLS CONTINENTAL RESOURCES, INC REC. 8/5/2019 (M. PORTER)
PENDING CD - 201903667	8/6/2019 - GB1 - (I.O.) 15 & 22-6N-5W EST MULTIUNIT HORIZONTAL WELL X201903619 WDFD 15-6N-5W X147146 MSSP, HNTN 15 & 22-6N-5W X590519 WDFD 22-6N-5W (MSSP, HNTN ADJACENT COMMON SOURCES OF SUPPLY TO WDFD) 33% 22-6N-5W 67% 15-6N-5W CONTINENTAL RESOURCES, INC REC. 8/5/2019 (M. PORTER)
PENDING CD - 201903668	8/6/2019 - GB1 - (I.O.) 15 & 22-6N-5W X201903619 WDFD 15-6N-5W X147146 MSSP, HNTN 15 & 22-6N-5W X590519 WDFD 22-6N-5W X165:10-3-28(C)(2)(B) WDFD MAY BE CLOSER THAN 600' TO GOOD MARTIN 3-10-3XH, GOOD MARTIN 4-10-3XH COMPL. INT. (22-6N-5W) NCT 150' FSL, NCT 0' FNL, NCT 1320' FWL COMPL. INT. (15-6N-5W) NCT 0' FSL, NCT 150' FNL, NCT 1320' FWL CONTINENTAL RESOURCES, INC REC. 8/5/2019 (M. PORTER)
SHL	8/8/2019 - GB1 - SHL 1030' FSL, 2410 FWL PER OPERATOR
SPACING - 147146	8/6/2019 - GB1 - (640) 15 & 22-6N-5W EXT 131103 HNTN, OTHERS EST MSSP, OTHERS
SPACING - 590519	8/6/2019 - GB1 - (640) 22-6N-5W EXT OTHER EXT 587940 WDFD, OTHERS



Certificate of Authorization No. 7318

Date Staked: **--**-19 Date Drawn: 7--18--19

PLS

Prepared By: Petro Land Services South 10400 Vineyard Bivd. Suite C Oklahoma City, OK 73120

CURRENT REV .: 0

EXHIBIT:	<u>A (1 of 4)</u>
SHEET:	<u>8.5x11</u>
SHL:	22-6N-5W
BHL-2	27-6N-5W
BHL-4	15-6N-5W



COVER SHEET

<u>CONTINENTAL</u> <u>RESOURCES</u>, <u>INC</u>. P.O. BOX 26900 OKLAHOMA CITY, OK 73126 * (T) 1-800-256-8955 (F) 405-234-9253

Section <u>22</u> Township <u>6N</u> Range <u>5W</u> I.M.

Well: _____SPARKS_2-22-27XHW

County _____ GRADY _____ State ___OK ____ Well: ____GALVIN 4-22-15XHW

Operator _____CONTINENTAL RESOURCES, INC.

		NAD	-83					
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	DESIGN ELEVATION
W2	SPARKS 2-22-27XHW	597278	2053730	34' 58' 27.15" -97' 42' 55.81"	34.974208 87.715503	1000' FSL / 2410' FWL (SW/4 SEC 22)	1154.53	1155.11
LP~2	LANDING POINT	597278	2053795	34' 58' 27.15" -97' 42' 55.03"	34.974208 -97.715286	1000' FSL / 2475' FWL (SW/4 SEC 22)		
8HL-2	BOTTOM HOLE LOCATION	591037	2053811	34' 57' 25.42" -97' 42' 55.05"	34.957062 -97.715291	50' FSL / 2475' FWL (SW/4 SEC 27)		
W4	GALVIN +-22-15XHW	597308	2053730	34' 58' 27.45" -97' 42' 55.81"	34.974291 -97.715503	1030' FSL / 2410' FWL (SW/4 SEC 22)	1154,12'	1155.11
LP→4	LANDING POINT	597307	2053498	34* 58' 27,45" -97' 42' 58.60"	34,974292 -97,716277	1030' FSL / 2178' FWL (SW/4 SEC 22)		
BHL-4	BOTTOM HOLE LOCATION	606806	2053490	35' 00' 01.41" -97' 42' 58.38"	35.000391 -97.716217	50' FNL / 2178' FWL (NW/4 SEC 15)		
X-1	GOOD ∦ 1	604502	2055288	34' 59' 38.56" -97' 42' 36.85"	34.994044 -97.710235	15-6N-5W; TD: 13,850' 2,352' FNL / 1,331' FEL		
X12	SPIVEY #1-15	603099	2052147	34' 59' 24.77" -97' 43' 14.65"	34.990214 -97.720735	15-6N-5W: TD: 13,778' 1,529' FSL / 829' FWL		
X-3	GOOD MARTIN #5-10-3XH	606555	2054271	34° 59' 58.90" -97' 42' 49.00"	34.999694 -97.713610	15-6N-5W: TD: 20,041' 300' FNL / 2,340' FEL		
X-4	GOOD WARTIN #3-10-3XH	605557	2052932	34° 59' 58.96" 97' 43' 05.09"	34.999711 -97.718081	15-6N-5W: T0: 17,821' 300' FNL / 1,620' FWL		
X−5	GOOD MARTIN ∯1−1G−3XH	606560	2051612	34° 59' 59.02" 97' 43' 20.96"	34.999727 -97.722489	15-6N-5W: TD: 20,102' 300' FNL / 300' FWL		
X-6	GOOD MARTIN #4-10-3XH	606557	2052977	34` 59' 58.96" -97' 43' 04.55"	34.999710 -97.717931	15-6N-5W: TD: 20,268' 300' FNL / 1,665' FWL		
X-7	GOOD MARTIN ∦2−10→3XH	608560	2051657	34' 59' 59.02" -97' 43' 20.42"	34.999727 -97.722338	15-6N-5W: TD: 20,242' 300' FNL / 345' FWL		
xa	GOOD MARTIN #6-10-3XH	606555	2054316	34 59 58.90" -97 42 48.46"	34.999693 -97.713460	15-6N-5W: TD: 20,170' 300' FNL / 2,295' FEL		
X-3	PAYNE #1-22	600170	2055097	34' 58' 55.72" -97' 42' 39.29"	34,982144 97.710913	22-6N-5W: [TD: 13,750'] 1,400' FNL / 1,534' FEL		
X-10	GRIBI #1-22	598096	2052640	34' 58' 35.28" -97' 43' 08.88"	34.976466 97.719134	22-6N-5W: TD: 12,990' 1,820' FSL / 1,320' FWL		
X-11	GALVIN #1-22-27XH	601270	2051770	34' 59' 06.69" 97' 43' 19.23"	34,985191 -97,722009	22-6N-5W: TD: 19,635' 300' FNL / 450' FWL		
X-12	SPARKS #1-27H	591182	2052136	34' 57' 26.90" -97' 43' 15.17"	34.957474 -97.720881	27-6N-5W: TD: 17,443' 200' FSL / 800' FWL		

Certificate of Authorization No. 7318

Date Staked: **-**-19 Date Drawn: 7-18-19



Prepared By: Petro Lond Services South 10400 Vineyard Blvd. Suite C Oklahoma City, OK 73120

RE	VISION	٧S		
No.	DATE	BY	DESCRIPTION	COMMENTS
00	7-18-19	HDG	ISSUED FOR APPROVAL	

