API NUMBER: 011 24200 Horizontal Hole Oil & Gas Multi Unit	OIL & GAS	CORPORATION COMMISSIO CONSERVATION DIVISION P.O. BOX 52000 DMA CITY, OK 73152-2000 (Rule 165:10-3-1)	N Approval Date: Expiration Date:	03/25/2019 09/25/2020
WELL LOCATION: Sec: 02 Twp: 16N R		PERMIT TO DRILL		
	TE FEET FROM QUARTER: FROM	NORTH FROM EAST 357 438		
Lease Name: KNUTSON	Well No:	3-2-11XHM	Well will be 357 feet from near	est unit or lease boundary.
Operator CONTINENTAL RESOURCE Name:	ES INC	Telephone: 4052349020; 4052349	OTC/OCC Number:	3186 0
CONTINENTAL RESOURCES IN PO BOX 269000	c	GERALD L.		
OKLAHOMA CITY, C	OK 73126-9000	14916 TOM INDEPEND	ASHA DRIVE ENCE MO	64055
Formation(s) (Permit Valid for Lister Name 1 MISSISSIPPIAN 2 3 4 5	ed Formations Only): Depth 10551	Name 6 7 8 9 10	Dep	oth
Spacing Orders: No Spacing	Location Exception C	Drders:	Increased Density Orders:	
Pending CD Numbers: 201900529 201900528 201900535 201900536 201900536 Total Depth: 20541	ion: 1641 Surface C	Casing: 220	Special Orders: Depth to base of Treatable Wat	er-Bearing FM: 120
Under Federal Jurisdiction: No	Fresh Water	Supply Well Drilled: No	Surface Water	used to Drill: Yes
PIT 1 INFORMATION		Approved Method for dis	posal of Drilling Fluids:	
Type of Pit System: CLOSED Closed System N Type of Mud System: WATER BASED Chlorides Max: 8000 Average: 5000		D. One time land applic H. SEE MEMO	ation (REQUIRES PERMIT)	PERMIT NO: 19-36257
Is depth to top of ground water greater than 10ft b Within 1 mile of municipal water well? N				
Wellhead Protection Area? N	A			
Pit is located in a Hydrologically Sensitive Category of Pit: C	Area.			
Liner not required for Category: C				
Pit Location is BED AQUIFER				
Pit Location Formation: MARLOW				

 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: MARLOW

HORIZONTAL HOLE 1

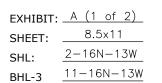
Sec 11 Twp 16N Rge 13W County BLAINE Spot Location of End Point: S2 SE SE SE Feet From: SOUTH 1/4 Section Line: 50 Feet From: EAST 1/4 Section Line: 330 Depth of Deviation: 10166 Radius of Turn: 395 Direction: 179 Total Length: 9754 Measured Total Depth: 20541 True Vertical Depth: 11281 End Point Location from Lease, Unit, or Property Line: 50

Notes:	
Category	Description
HYDRAULIC FRACTURING	3/1/2019 - 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
INTERMEDIATE CASING	3/1/2019 - 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	3/1/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201900528	3/18/2019 - GB1 - (640) 11-16N-13W VAC 87122 MISS VAC 159742 CSTR EXT 668965 MSSP, OTHER REC 3/12/2019 (MINMIER)

011 24200 KNUTSON 3-2-11XHM

Category	Description
PENDING CD - 201900529	3/18/2019 - GB1 - (640) 2-16N-13W VAC 87122 MISS VAC 357576 CSTR EXT 593865 MSSP, OTHER REC 3/12/2019 (MINMIER)
PENDING CD - 201900535	3/18/2019 - GB1 - (I.O.) 2 & 11-16N-13W EST MULTIUNIT HORIZONTAL WELL X201900529 MSSP 2-16N-13W X201900528 MSSP 11-16N-13W 50% 2-16N-13W 50% 11-16N-13W NO OP. NAMED REC. 3/15/2019 (DENTON)
PENDING CD - 201900536	3/18/2019 - GB1 - (I.O.) 2 & 11-16N-13W X201900529 MSSP 2-16N-13W X201900528 MSSP 11-16N-13W SHL (2-16N-13W) 368' FNL, 448' FEL*** COMPL. INT. (2-16N-13W) NCT 150' FNL, NCT 0' FSL, NCT 330' FEL COMPL. INT. (11-16N-13W) NCT 0' FNL, NCT 150' FSL, NCT 330' FEL NO OP. NAMED REC. 3/15/2019 (DENTON) *** ITD HAS SHL AS 357' FNL, 438' FEL; TO BE CORRECTED AS HEARING FOR FINAL ORDER PER ATTORNEY FOR OPERATOR

API 35-011-24200





COVER SHEET

CONTINENTAL RESOURCES, INC.

P.O. BOX 26900 OKLAHOMA CITY, OK 73126 * (T) 1-800-256-8955 (F) 405-234-9253

Section _____ Township _____Range _____I.M. Well: _____KNUTSON 3-2-11XHM

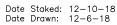
County _____BLAINE ____OK

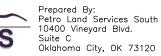
Operator _____CONTINENTAL RESOURCES, INC.

		NAD-	-83				
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING
W3	KNUTSON 3-2-11XHM	327273	1807097	35* 53' 52.13" -98* 32' 41.83"	35.897814 -98.544953	357' FNL / 438' FEL (NE/4 SEC 2)	1640.62'
LP-3	LANDING POINT	327272	1807204	35° 53' 52.13" -98° 32' 40.52"	35.897814 -98.544589	357' FNL / 330' FEL (NE/4 SEC 2)	
BHL-3	BOTTOM HOLE LOCATION	317212	1807218	35° 52' 12.65" -98° 32' 39.66"	35.870180 -98.544351	50' FSL / 330' FEL (SE/4 SEC 11)	
X-1	CRAIN #1-11 (LEONA B CRAIN)	319380	1803966	35 [•] 52' 33.90" -98 [•] 33' 19.34"	35.876083 -98.555371	11-16N-13W TD: 12,147' 2,170' FSL / 1,683' FWL	
X-2	SMOOT #1	320481	1805582	35 [•] 52' 44.88" -98 [•] 32' 59.78"	35.879133 -98.549938	11-16N-13W TD: 9,810' 1,975' FNL / 1,969' FEL	
X-3	CRAIN #1-11	319558	1804084	35° 52' 35.67" -98° 33' 17.91"	35.876575 -98.554974	11-16N-13W TD: 9,740' 2,350' FSL / 1,800' FWL	
X-4	CRAIN #11-2	320481	1803612	35 [•] 52' 44.77" -98 [•] 33' 23.71"	35.879103 -98.556586	11–16N–13W TD: 9,685' 1,986' FNL / 1,320' FWL	
X-5	LEONA #1-11	319502	1804484	35° 52' 35.14" -98° 33' 13.05"	35.876428 -98.553625	11-16N-13W TD: 9,532' 2,300' FSL / 2,200' FWL	

		NAD-	-27					
POINT	WELL NAME	NORTHING	EASTING	LATITUDE LONGITUDE	LATITUDE LONGITUDE		EXISTING ELEVATION	
W3	KNUTSON 3-2-11XHM	327248	1838698	35° 53' 51.98" -98° 32' 40.55"	35.897771 -98.544596	357' FNL / 438' FEL (NE/4 SEC 2)	1640.62'	
LP-3	LANDING POINT	327247	1838806	35° 53' 51.98" -98° 32' 39.24"	35.897771 -98.544233	357' FNL / 330' FEL (NE/4 SEC 2)		
BHL-3	BOTTOM HOLE LOCATION	317188	1838820	35 [•] 52' 12.49" -98 [•] 32' 38.38"	35.870137 -98.543995	50' FSL / 330' FEL (SE/4 SEC 11)		
X-1	CRAIN #1-11 (LEONA B CRAIN)	319355	1835567	35 [•] 52' 33.74" -98 [•] 33' 18.05"	35.876039 -98.555014	11-16N-13W TD: 12,147' 2,170' FSL / 1,683' FWL		
X-2	SMOOT #1	320456	1837183	35 [•] 52' 44.72" -98 [•] 32' 58.49"	35.879090 -98.549581	11–16N–13W TD: 9,810' 1,975' FNL / 1,969' FEL		
X-3	CRAIN #1-11	319533	1835686	35° 52' 35.51" -98° 33' 16.62"	35.876531 -98.554618	11-16N-13W TD: 9,740' 2,350' FSL / 1,800' FWL		
X-4	CRAIN #11-2	320456	1835214	35° 52' 44.61" -98° 33' 22.42"	35.879060 -98.556229	11–16N–13W TD: 9,685' 1,986' FNL / 1,320' FWL		
X-5	LEONA #1-11	319477	1836085	35° 52' 34.98" -98° 33' 11.77"	35.876384 -98.553268	11-16N-13W TD: 9,532' 2,300' FSL / 2,200' FWL		

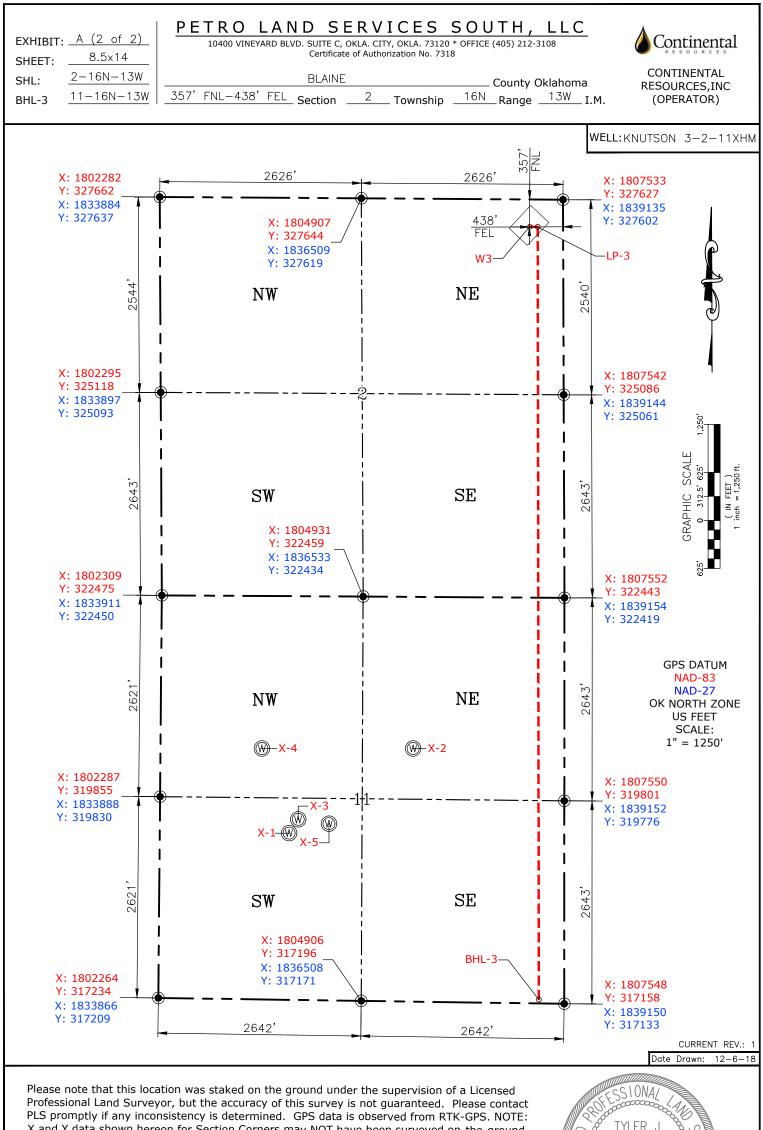
Certificate of Authorization No. 7318





REVISIONS							
No. DATE BY DESCRIPTION COMMENTS							
00	12-6-18	HDG	ISSUED FOR APPROVAL				
01	3-19-19	HDG	MOVED WELL HEAD	REV'D EXHIBIT A(1&2),B,D,E,H,I			

Well: _____



PLS promptly if any inconsistency is determined. GPS data is observed from RTK-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 assumed at a proportionate distance from opposing section corners, or occupation thereof, and may not have been measured on-the-ground, and further, does not represent a true Boundary Survey.

CERTIFICATE:

I, <u>TYLER J. WILLIS</u> an Oklahoma Licensed Land Surveyor and an authorized agent of Petro Land Services South, LLC, do hereby certify to the information shown herein.

Oklahoma PLS No.1985 DATE

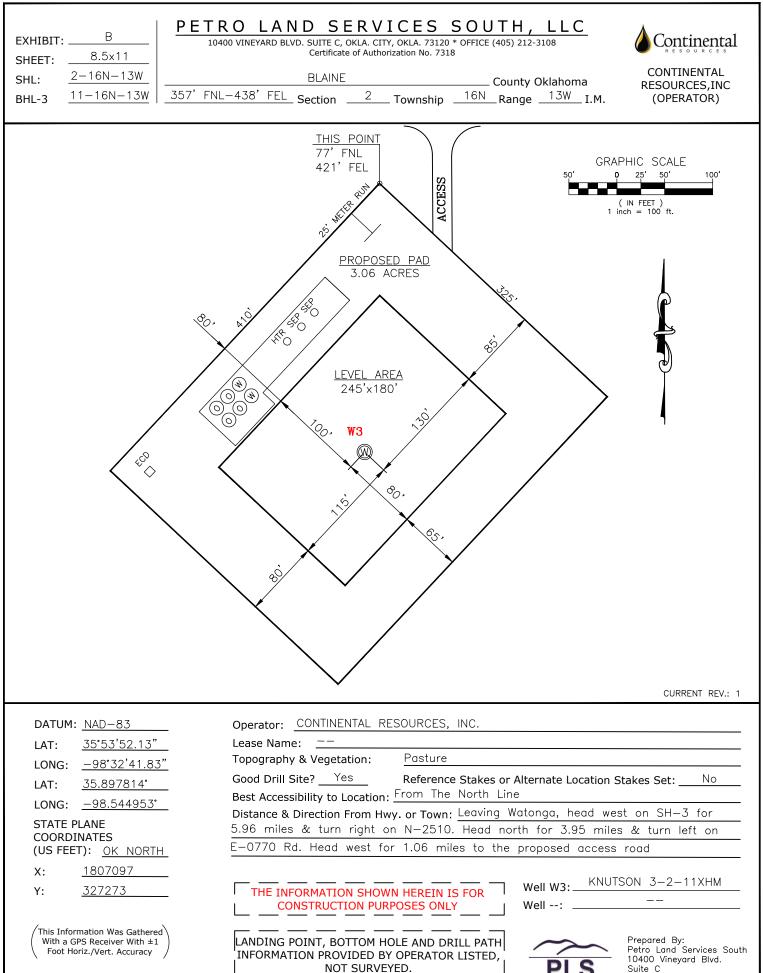
WILLIS

3-21-19

1985

4 H O M

A

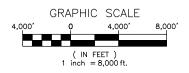


Certificate of Authorization No. 7318

Suite C Oklahoma City, OK 73120

EXHIBIT:	C
SHEET:	8.5×11
SHL:	2-16N-13W
BHL-3	<u>11-16N-13W</u>





	VI	CINITY M	1 A P	
	N2510 Rd	N2530 Rd	SIA	
270	۰ ۱	•		Watonga
		MILES & TURN RIGHT O T FOR 1.06 MILES TO TH		TH FOR 3.95 MILES & TURN LEF
	CONTINEN	TAL RESOU MA CITY, OK 73126 * (T) 1-800-	RCES, INC	
ificate of Authorization No. 7318				W3:KNUTSON 3-2-11XHM
Prepared By: Petro Land Services	Operator	BLAINE State		:

D	
8.5x11	
2-16N-13W	
11-16N-13W	
	8.5x11 2-16N-13W



KNUTSON 3-2-11XHM WELL W3:_

WELL --: _

FACING NORTH



FACING SOUTH





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

	DRAWN BY:	HDG	SCALE:
TERRAIN	CHECKED BY:	MJL	JOB No.:
ILKKAIN	APPROVED BY:		DWG. NO.
	DATE ISSUED:	12-6-18	SHEET:

CURRENT REV .: 1 N.T.S.

TERRAIN-1

1 OF 2

NO.:

EXHIBIT: E SHEET: 8.5×11 SHL: $2-16N-13W$ BHL-3 $11-16N-13W$	Continental	WELL W3:
FACING EAST		
		East
FACING WEST		
		West

					CORRENT REV 1
Prepared By: Petro Land Services South 10400 Vineyard Blvd. Suite C Oklaborg City, OK 73120		DRAWN BY:	HDG	SCALE:	N.T.S.
	TERRAIN	CHECKED BY:	MJL	JOB No.:	
		APPROVED BY:		DWG. NO.:	TERRAIN-2
Oklahoma City, OK 73120		DATE ISSUED:	12-6-18	SHEET:	2 OF 2

BHL-3 <u>11-16N-13W</u>		ental c E S	WELL:	KNUTSON 3- 	2—11XHM
PROPOSED ACCESS ROAD = 131' 7.94 RODS (TOTAL)					
E-0770-ROAD-(66'-R	-O-W) Existing Pi -Enable	W3: KNU 3-2 N SECTION KNUTSON	ow ow	ROPOSED CCESS ROAD	GPS DATUM - OK NORTH ZONE US FEET SCALE: 1" = 500'
Section <u>2</u> Township <u>16N</u> Rang	e <u>13W</u> I.M.		GRAPHIC	SCALE	
CountyBLAINEState	OK	250'	0 125		
OperatorCONTINENTAL RESOURCE	ES, INC.		(IN FE 1 inch =	ET) 500 ft.	
		DRAWN BY:	HDG	SCALE:	CURRENT REV.: 1 1'' = 500'
Prepared By: Petro Land Services South 10400 Vineyard Blvd.	ρι λ τ	CHECKED BY:	MJL	JOB No.:	
PLS PLS Ovineyard Bivd. Suite C Oklahoma City, OK 73120		APPROVED BY:		DWG. NO.:	AERIAL-1
		DATE ISSUED:	12-6-18	SHEET:	1 OF 4

