API NUMBER: 137 27493 A

Horizontal Hole Oil & Gas

Amend reason: AMEND SHL

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

Approval Date: 04/25/2017
Expiration Date: 10/25/2017

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 2N Rge: 4W County: STEPHENS

SPOT LOCATION: SW SW SE SE

FEET FROM QUARTER: FROM **SOUTH** FROM **EAST**

SECTION LINES: **220** **1075**

Lease Name: CELESTA **Well No: 2-5-32XH** **Well will be 220 feet from nearest unit or lease boundary.**

Operator Name: CONTINENTAL RESOURCES INC Telephone: 4052349020; 4052349 OTC/OCC Number: 3186 0

CONTINENTAL RESOURCES INC
PO BOX 269000
OKLAHOMA CITY, OK 73126-9000

JERRY L. CONDIT LIVING TRUST
302864 STATE HWY #29
FOSTER OK 73434

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

	Name	Depth		Name	Depth
1	SPRINGER	11771	6		
2			7		
3			8		
4			9		
5			10		

Spacing Orders: 131585
662675

Location Exception Orders: 661895

Increased Density Orders:

Pending CD Numbers: 201700150
201700151

Special Orders:

Total Depth: 23658 Ground Elevation: 1188 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 390

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

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 3000 Average: 2000

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: 2

Liner not required for Category: 2

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 17-32464

H. SEE MEMO

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.

PIT 2 INFORMATION

Type of Pit System: ON SITE

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: 3

Liner required for Category: 3

Pit Location is BED AQUIFER

Pit Location Formation: DUNCAN

HORIZONTAL HOLE 1

Sec 32 Twp 3N Rge 4W County GARVIN

Spot Location of End Point: N2 N2 NE NE

Feet From: NORTH 1/4 Section Line: 30

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 13108

Radius of Turn: 418

Direction: 5

Total Length: 9893

Measured Total Depth: 23658

True Vertical Depth: 13171

End Point Location from Lease,
Unit, or Property Line: 30

Notes:

Category	Description
DEEP SURFACE CASING	4/19/2017 - 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	4/19/2017 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK HTTP://FRACFOCUS.ORG/ WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE
LOCATION EXCEPTION - 661895	4/25/2017 - G60 - (I.O.) 5-2N-4W & 32-3N-4W X131585 SPRG SHL 220 FSL, 1075 FEL (5-2N-4W) COMPL. INT. (5-2N-4W) NCT 150' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (32-3N-4W) NCT 0' FSL, NCT 150' FNL, NCT 330' FEL CONTINENTAL RESOURCES, INC. 3/14/17
MEMO	4/19/2017 - G71 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 1 – CUTTINGS WILL BE SOIL FARMED, PIT 2 – OBM RETURNED TO VENDOR, CUTTINGS WILL BE HAULED TO PAUL VALLEY LANDFILL (GARVIN) 3525009 OR SOUTHERN PLAINS LANDFILL (GRADY) 3526013
PENDING CD - 201700150	4/25/2017 - G60 - 5-2N-4W X131585 SPRG 1 WELL NO OP. NAMED REC. 2/21/17 (P. 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.

Category	Description
PENDING CD - 201700151	4/25/2017 - G60 - 32-3N-4W X131585 SPRG 1 WELL NO OP. NAMED REC. 2/21/17 (P. PORTER)
SPACING - 131585	4/25/2017 - G60 - (640) 5-2N-4W & 32-3N-4W EST SPRG, OTHERS
SPACING - 662675	4/25/2017 - G60 - (I.O.) 5-2N-4W & 32-3N-4W EST MULTIUNIT HORIZONTAL WELL X131585 SPRG 50% 32-3N-4W 50% 5-2N-4W NO OP. NAMED 4/11/17

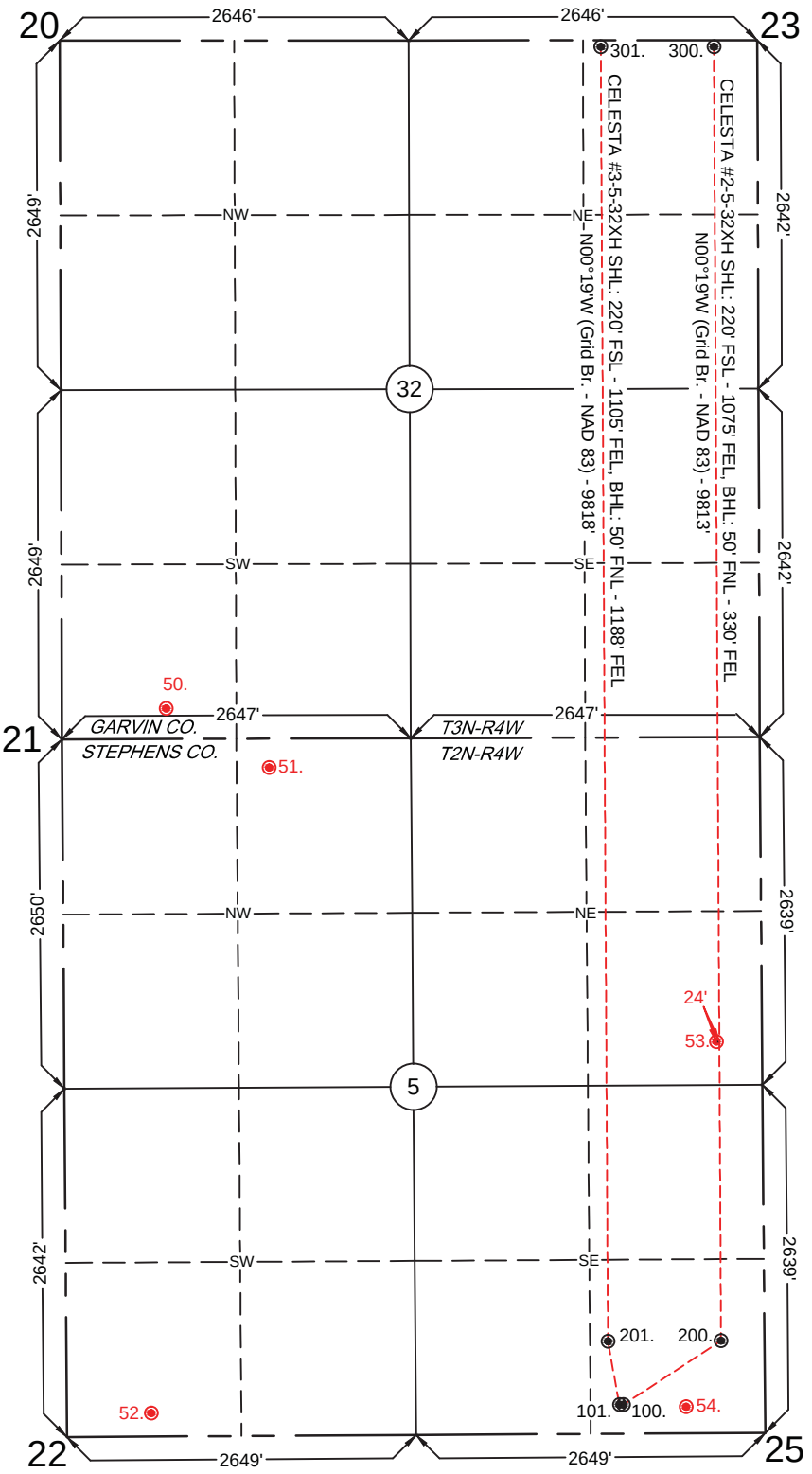
This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

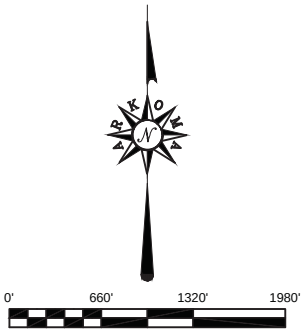
Well Location Plat

Operator : CONTINENTAL RESOURCES, INC.

3513727493

EXHIBIT "A"
S.H.L. SEC. 5-2N-4W I.M.
STEPHENS COUNTY
B.H.L. SEC. 32-3N-4W I.M.
GARVIN COUNTY
(SHEET 3 OF 3)





1" = 1320'

GPS DATUM
NAD - 27
NAD - 83
OK SOUTH ZONE

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.
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.
Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed.
Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined.
GPS data is observed from RTK - GPS.

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 #4059-E-D
Date Staked : 02/16/17 By : H.S.
Date Drawn : 06/08/17 By : J.H.

06/09/17
LANCE G. MATHIS OK LPLS 1664

PROFESSIONAL LAND SURVEYOR
LANCE G. MATHIS
1664
LICENSED
OKLAHOMA

Well Location Plat

Operator : CONTINENTAL RESOURCES, INC. 3513727493

EXHIBIT "A"
S.H.L. SEC. 5-2N-4W I.M.
STEPHENS COUNTY
B.H.L. SEC. 32-3N-4W I.M.
GARVIN COUNTY
(SHEET 1 OF 3)

NAD 83

Point	Northing	Easting	Elevation	Latitude/Longitude	Latitude/Longitude	Description	Design Elevation
20	496052	2073452	0.0			IR W/CAP NWc 32-3N-4W	
21	490754	2073469	0.0			IR/CAP NW 5-2N-4W	
22	485462	2073506	0.0			1/2" IR SW 5-2N-4W	
23	496055	2078745	0.0			CALC. NE 32-3N-4W	
24	490771	2078763	0.0			3/8" IR NE 5-2N-4W	
25	485494	2078805	0.0			1/2" IR SE 5-2N-4W	
50	490986	2074258	0.0	LAT:34°40'55.13"N LON:97°38'53.59"W	LAT:34.68198100 LON:-97.64821856	AC- CLR COLBERT #1-32H OCC STATUS: AC, TVD: 19023'	
51	490539	2075040	0.0	LAT:34°40'50.68"N LON:97°38'44.24"W	LAT:34.68074400 LON:-97.64562224	AC - CLR CONDIT #1-5H OCC STATUS: AC, TVD: 19980'	
52	485644	2074145	0.0	LAT:34°40'02.29"N LON:97°38'55.16"W	LAT:34.66730191 LON:-97.64865647	AC - CLR CELESTA #1-5-32XH OCC STATUS: AC, TVD: 21558'	
53	488461	2078433	0.0	LAT:34°40'30.00"N LON:97°38'03.70"W	LAT:34.67500117 LON:-97.63436198	AC - C & L ENT. SCREAMING EAGLE OCC STATUS: PA, TVD: 996'	
54	485691	2078203	0.0	LAT:34°40'02.61"N LON:97°38'06.58"W	LAT:34.66739087 LON:-97.63516044	AC - CLR CONDIT #2-5-32XH OCC STATUS: AC, TVD: 176926'	
100	485708	2077728	1188.1	LAT:34°40'02.79"N LON:97°38'12.26"W	LAT:34.66744269 LON:-97.63673976	A. CELESTA #2-5-32XH 220' FSL - 1075' FEL	1188.0
101	485707	2077698	1188.0	LAT:34°40'02.79"N LON:97°38'12.62"W	LAT:34.66744249 LON:-97.63683954	B. CELESTA #3-5-32XH 220' FSL - 1105' FEL	1188.0
200	486192	2078469	0.0	LAT:34°40'07.56"N LON:97°38'03.37"W	LAT:34.66876669 LON:-97.63426916	A. HEEL SLOT 700' FSL - 330' FEL	
201	486187	2077611	0.0	LAT:34°40'07.54"N LON:97°38'13.64"W	LAT:34.66876083 LON:-97.63712265	B. HEEL SLOT 700' FSL - 1188' FEL	
300	496005	2078415	0.0	LAT:34°41'44.63"N LON:97°38'03.59"W	LAT:34.69573075 LON:-97.63433132	A. BOTTOM HOLE LOCATION 50' FNL - 300' FEL	
301	496005	2077557	0.0	LAT:34°41'44.66"N LON:97°38'13.87"W	LAT:34.69573768 LON:-97.63718573	B. BOTTOM HOLE LOCATION 50' FNL - 1188' FEL	

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 #4059-E-D
Date Staked : 02/16/17 By : H.S.
Date Drawn : 06/08/17 By : J.H.

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STEPHENS COUNTY
B.H.L. SEC. 32-3N-4W I.M.
GARVIN COUNTY
(SHEET 2 OF 3)

NAD 27

Point	Northing	Easting	Elevation	Latitude/Longitude	Latitude/Longitude	Description	Design Elevation
20	496010	2105047	0.0			IR W/CAP NWc 32-3N-4W	
21	490712	2105064	0.0			IR/CAP NW 5-2N-4W	
22	485420	2105102	0.0			1/2" IR SW 5-2N-4W	
23	496013	2110340	0.0			CALC. NE 32-3N-4W	
24	490729	2110358	0.0			3/8" IR NE 5-2N-4W	
25	485452	2110400	0.0			1/2" IR SE 5-2N-4W	
50	490944	2105854	0.0	LAT:34°40'54.85"N LON:97°38'52.47"W	LAT:34.68190357 LON:-97.64790957	AC- CLR COLBERT #1-32H OCC STATUS: AC, TVD: 19023'	
51	490497	2106636	0.0	LAT:34°40'50.40"N LON:97°38'43.13"W	LAT:34.68066651 LON:-97.64531333	AC - CLR CONDIT #1-5H OCC STATUS: AC, TVD: 19980'	
52	485602	2105740	0.0	LAT:34°40'02.01"N LON:97°38'54.05"W	LAT:34.66722405 LON:-97.64834762	AC - CLR CELESTA #1-5-32XH OCC STATUS: AC, TVD: 21558'	
53	488419	2110029	0.0	LAT:34°40'29.72"N LON:97°38'02.59"W	LAT:34.67492339 LON:-97.63405342	AC - C & L ENT. SCREAMING EAGLE OCC STATUS: PA, TVD: 996'	
54	485648	2109798	0.0	LAT:34°40'02.33"N LON:97°38'05.47"W	LAT:34.66731288 LON:-97.63485194	AC - CLR CONDIT #2-5-32XH OCC STATUS: AC, TVD: 176926'	
100	485666	2109324	1188.1	LAT:34°40'02.51"N LON:97°38'11.15"W	LAT:34.66736472 LON:-97.63643122	A. CELESTA #2-5-32XH 220' FSL - 1075' FEL	1188.0
101	485665	2109294	1188.0	LAT:34°40'02.51"N LON:97°38'11.51"W	LAT:34.66736451 LON:-97.63653099	B. CELESTA #3-5-32XH 220' FSL - 1105' FEL	1188.0
200	486150	2110065	0.0	LAT:34°40'07.28"N LON:97°38'02.26"W	LAT:34.66868872 LON:-97.63396067	A. HEEL SLOT 700' FSL - 330' FEL	
201	486145	2109207	0.0	LAT:34°40'07.26"N LON:97°38'12.53"W	LAT:34.66868289 LON:-97.63681408	B. HEEL SLOT 700' FSL - 1188' FEL	
300	495963	2110010	0.0	LAT:34°41'44.35"N LON:97°38'02.48"W	LAT:34.69565357 LON:-97.63402256	A. BOTTOM HOLE LOCATION 50' FNL - 300' FEL	
301	495963	2109152	0.0	LAT:34°41'44.38"N LON:97°38'12.76"W	LAT:34.69566054 LON:-97.63687690	B. BOTTOM HOLE LOCATION 50' FNL - 1188' FEL	

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