

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

API NUMBER: 051 24950

Approval Date: 07/01/2022
Expiration Date: 01/01/2024

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 09 Township: 6N Range: 8W County: GRADY

SPOT LOCATION: NW SW SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 350 1088

Lease Name: ALLEN UNRUH Well No: 1-9HX Well will be 350 feet from nearest unit or lease boundary.
Operator Name: ALVARADO 2014 LLC Telephone: 8327427760 OTC/OCC Number: 23798 0

ALVARADO 2014 LLC
HOUSTON, TX 77027-3188

ALLEN D. UNRUH AND PATRICIA JOY UNRUH
350 COUNTY ROAD 1390
CEMENT OK 73017

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

Name	Code	Depth
1 HOXBAR	405HXBR	7700
2 MARCHAND	405MRCD	10855

Spacing Orders: 725467 Location Exception Orders: 725852 Increased Density Orders: 725135
626241
726186

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 18460 Ground Elevation: 1245 Surface Casing: 1975 Depth to base of Treatable Water-Bearing FM: 770

Deep surface casing has been approved

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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 22-38404
H. (Other) SEE MEMO

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits
Type of Mud System: WATER BASED
Chlorides Max: 5000 Average: 3000
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: 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
Pit Location is: BED AQUIFER
Pit Location Formation: MARLOW

This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 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.

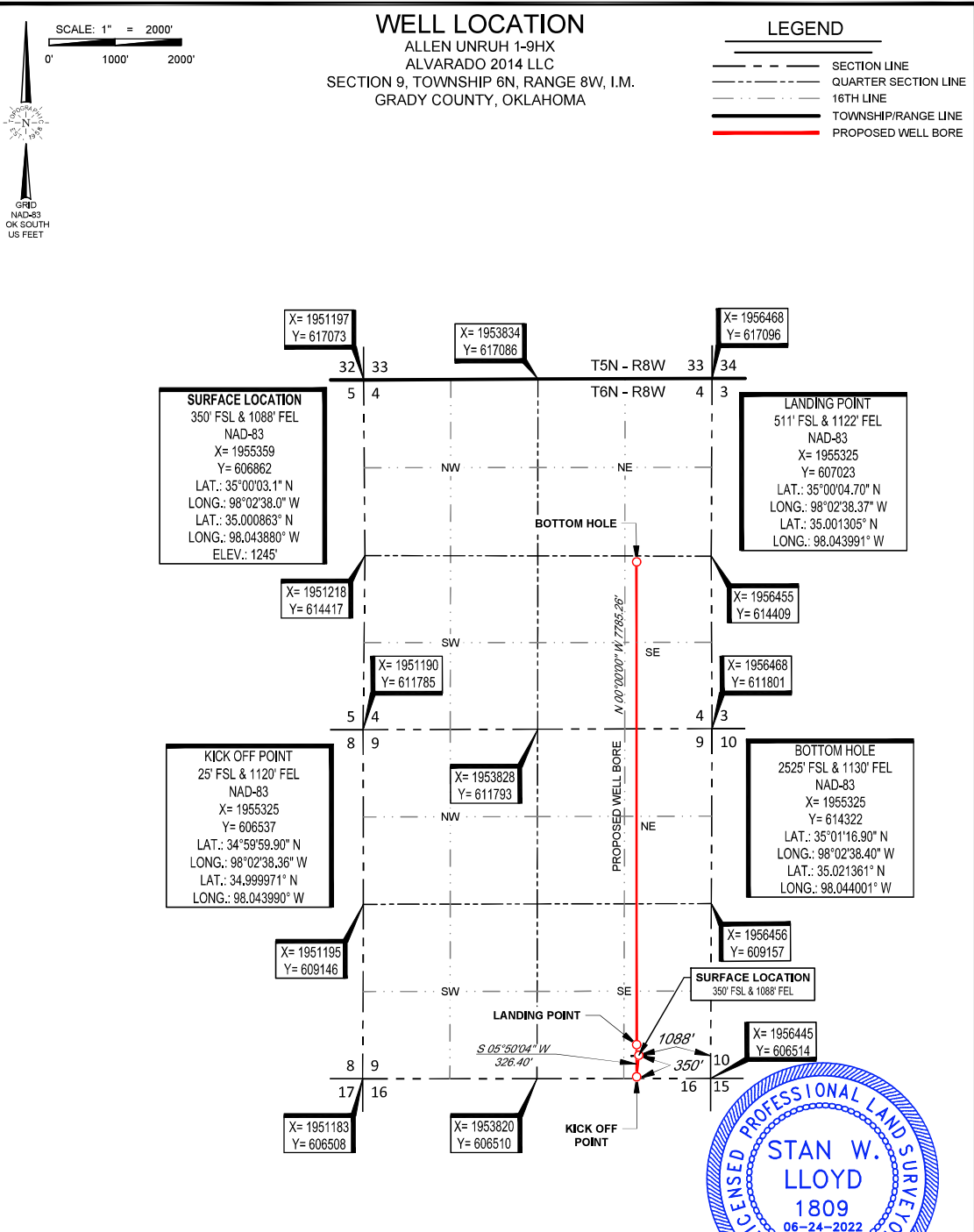
MULTI UNIT HOLE 1

Section: 4	Township: 6N	Range: 8W	Meridian: IM	Total Length: 7785
	County: GRADY			Measured Total Depth: 18460
Spot Location of End Point: NW	NW	NE	SE	True Vertical Depth: 10870
Feet From: SOUTH	1/4 Section Line: 2525			End Point Location from
Feet From: EAST	1/4 Section Line: 1130			Lease,Unit, or Property Line: 1130

NOTES:

Category	Description
DEEP SURFACE CASING	[6/22/2022 - GC2] - 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	[6/22/2022 - 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: OCCWEB.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
INCREASED DENSITY - 725135	[6/29/2022 - G56] - 9-6N-8W X626241 HXBR 1 WELL ALVARADO 2014 LLC 4/27/2022
LOCATION EXCEPTION - 725852	[6/29/2022 - G56] - (I.O.) NW4, S2 4 & 9-6N-8W X626241 HXBR 9-6N-8W X725467 MRCD NW4, S2 4-6N-8W X165:10-3-28(C)(2)(B) MRCD MAY BE CLOSER THAN 600' TO NORGE MARCHAND UNIT 4-33-1H WELL COMPL INT (4-6N-8W) NCT 0' FSL, NCT 165' FNL, NCT 660' FEL COMPL INT (9-6N-8W) NCT 165' FSL, NCT 0' FNL, NCT 660' FEL ALVARADO 2014 LLC 5/31/2022
MEMO	[6/22/2022 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 626241	[6/29/2022 - G56] - (640)(HOR) 9-6N-8W EXT 623131 HXBR COMPL INT NCT 660' FB (SUPERSEDE SP # 167839 CLPM, HDTN, MDRN, WADE, # 83849 MRCHX, COEXIST WITH SP # 167839 YULE)
SPACING - 725467	[6/29/2022 - G56] - (480)(HOR)(IRR UNIT) NW4, S2 4-6N-8W VAC 83849 MRCHX EST MRCD POE TO BHL NLT 660' FB
SPACING - 726186	[6/29/2022 - G56] - (I.O.) NW4, S2 4 & 9-6N-8W EST MULTIUNIT HORIZONTAL WELL X626241 HXBR 9-6N-8W X725467 MRCD NW4, S2 4-6N-8W 33% 4-6N-8W 67% 9-6N-8W ALVARADO 2014 LLC 6/15/2022

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SURVEYOR'S CERTIFICATE:
 I, STAN W. LLOYD, AN OKLAHOMA LICENSED LAND SURVEYOR AND AN AUTHORIZED AGENT OF TOPOGRAPHIC CO., DO HEREBY CERTIFY TO THE INFORMATION SHOWN HEREIN.

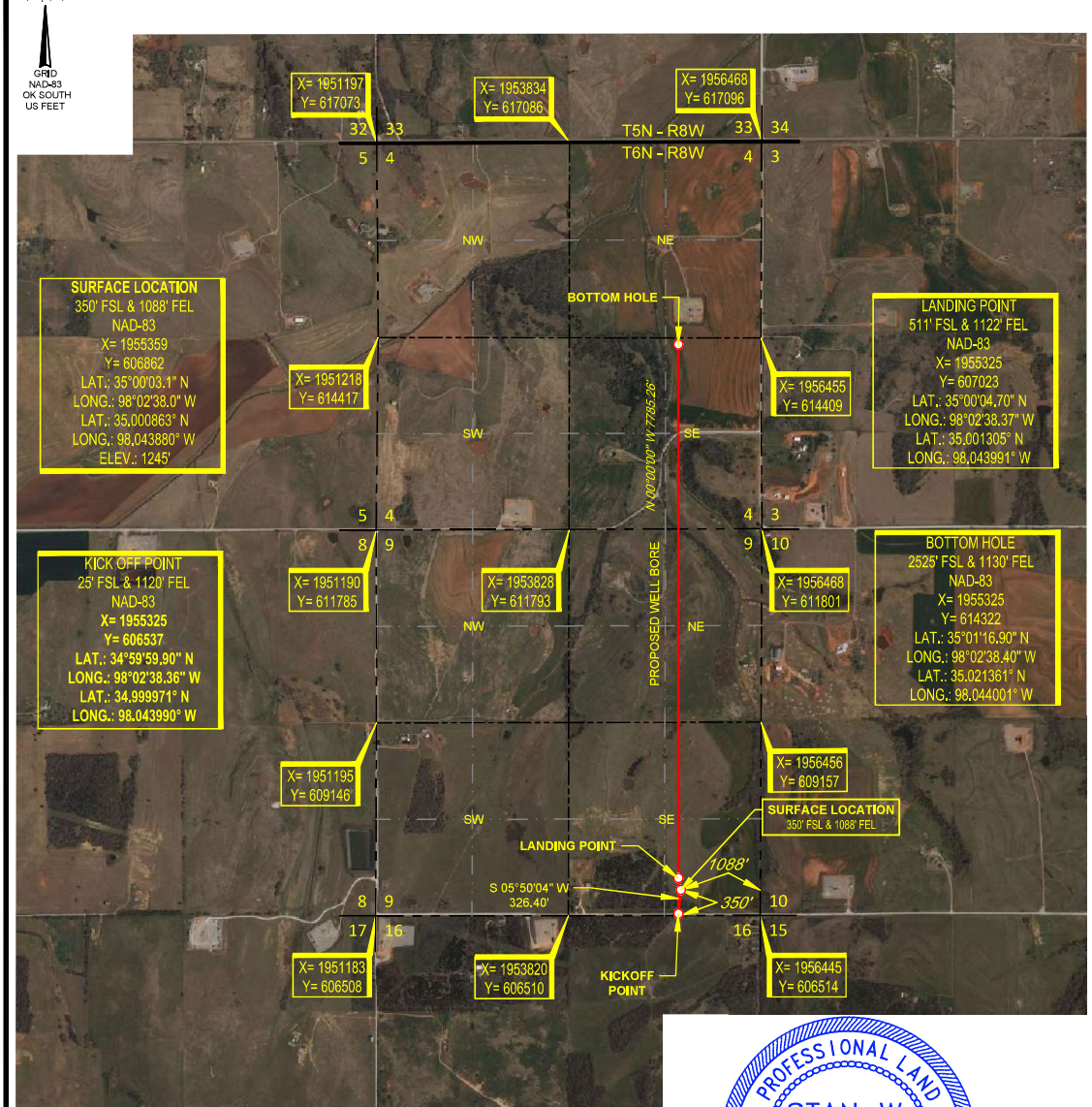
Stan W. Lloyd
 Stan W. Lloyd, P.L.S. No. 1809
 Authorized Agent of Topographic Co.

TOPOGRAPHIC
 LOYALTY INNOVATION LEGACY
 13800 WIRELESS WAY • OKLAHOMA CITY, OKLAHOMA 73134
 TELEPHONE: (405) 843-4647 OR (800) 654-3219
 FAX: (405) 843-2975
 CERTIFICATE OF AUTHORIZATION NO. 1292 LS
 WWW.TOPOGRAPHIC.COM

LEASE NAME & WELL NO. ALLEN UNRUH 1-9HX
 SECTION 9 TWP 6N RGE 8W MERIDIAN I.M.
 COUNTY GRADY STATE OKLAHOMA
 DESCRIPTION 350' FSL & 1088' FEL

ALLEN UNRUH 1-9HX	REVISION:	
	INT	DATE
	JPH	06/24/2022
DATE:	02/22/2022	
FILE:	LO_ALLEN_UNRUH_1-9HX_REV1	
DRAWN BY:	KEU	
SHEET :	1 OF 2	

NOTES:
 1. ORIGINAL DOCUMENT SIZE: 8.5" X 14"
 2. ALL BEARINGS SHOWN HEREON ARE GRID ACCORDING TO THE RESULTS OF STATIC GPS OBSERVATIONS PROCESSED THROUGH OPUS ON THE CONTROL POINT OCCUPIED WHILE MEASURING SAID LINES, OPUS RESULTS ARE CORRELATED TO OKLAHOMA, SOUTH ZONE, NAD 83 - HORIZONTAL AND THE NORTH AMERICAN VERTICAL DATUM OF 1988.
 3. CERTIFICATION IS MADE ONLY TO THE LOCATION OF THIS EASEMENT/LOCATION, IN RELATION TO THE EVIDENCE FOUND DURING A FIELD SURVEY, MADE ON THE GROUND, UNDER MY SUPERVISION, AND USING DOCUMENTATION PROVIDED BY ALVARADO 2014 LLC. ONLY UTILITIES/EASEMENTS THAT WERE VISIBLE ON THE DATE OF THIS SURVEY, WITHIN ADJOINING THIS EASEMENT/LOCATION, HAVE BEEN LOCATED AS SHOWN HEREON OF WHICH I HAVE KNOWLEDGE. THIS CERTIFICATION IS LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE, AND MADE FOR THIS TRANSACTION ONLY.
 4. THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY



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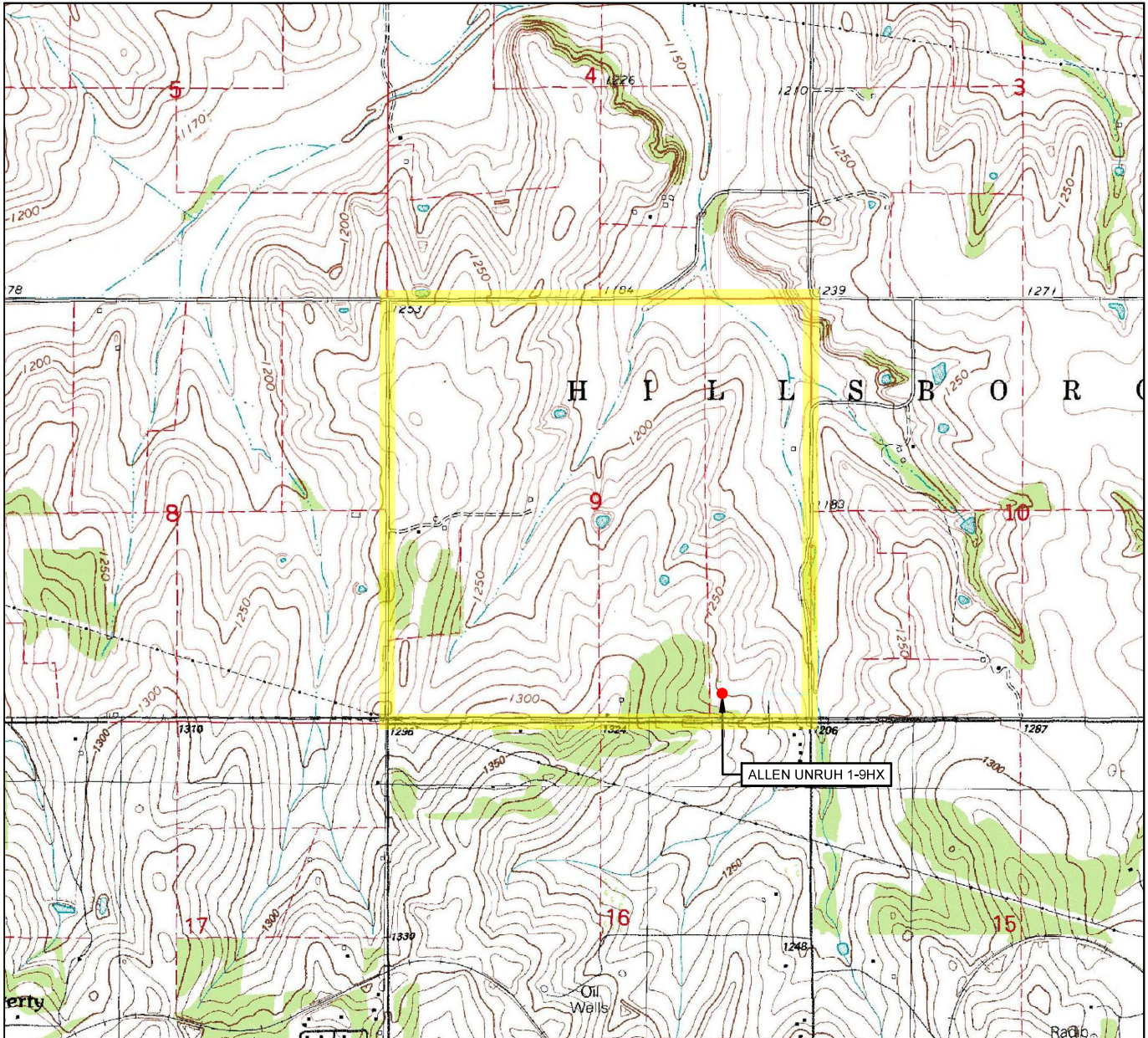
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LOCATION & ELEVATION VERIFICATION MAP



LEASE NAME & WELL NO. ALLEN UNRUH 1-9HX

SECTION 9 TWP 6N RGE 8W MERIDIAN I.M.
 COUNTY GRADY STATE OKLAHOMA
 DESCRIPTION 350' FSL & 1088' FEL
 ELEVATION 1245'



SCALE: 1" = 2000'
 0' 1000' 2000'

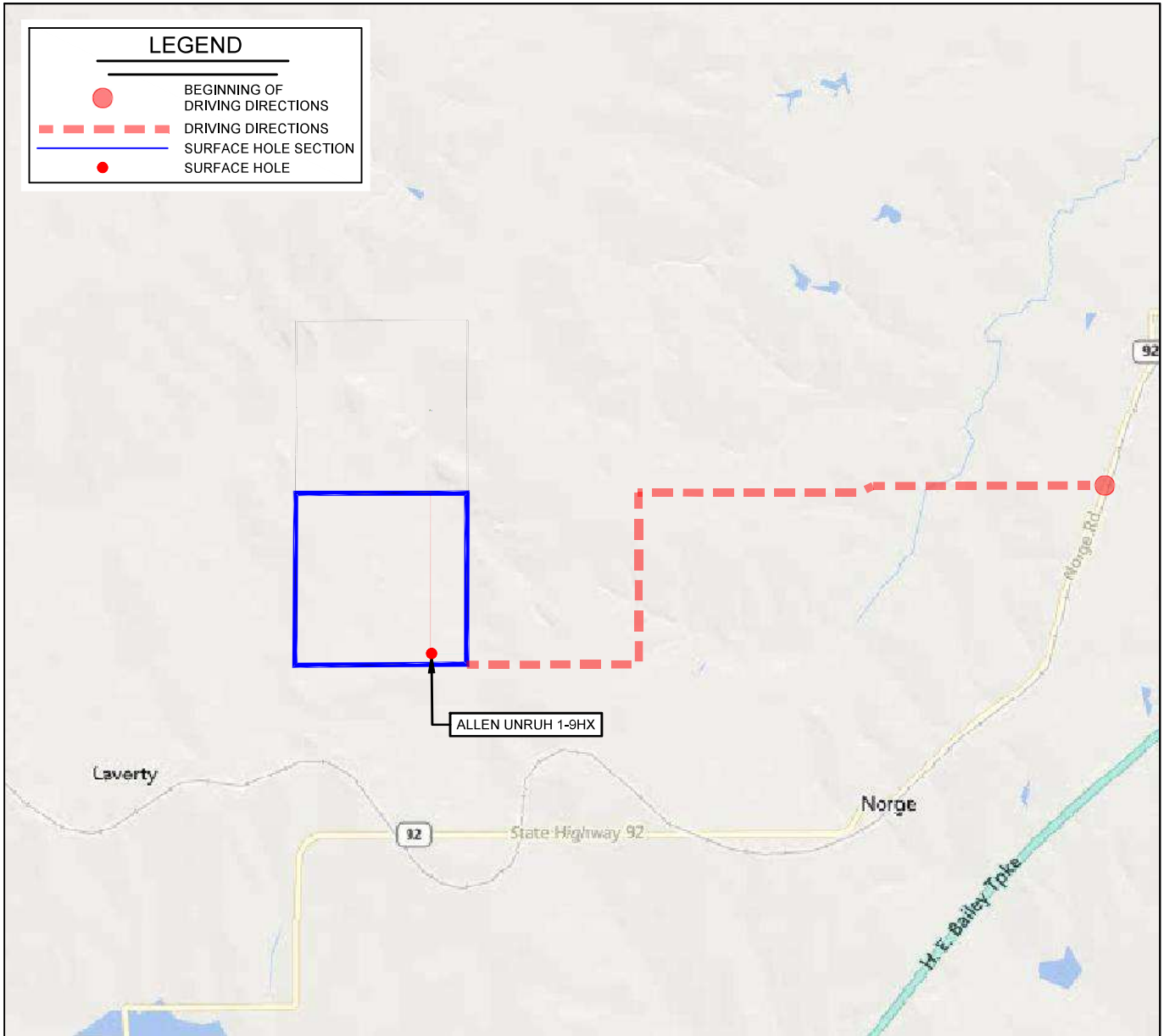
THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY ALVARADO 2014 LLC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE OKLAHOMA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE OF THE NORTH AMERICAN DATUM 1983, U.S. SURVEY FEET AND THE NORTH AMERICAN VERTICAL DATUM OF 1988.

TOPOGRAPHIC
 LOYALTY INNOVATION LEGACY

13800 WIRELESS WAY • OKLAHOMA CITY, OKLAHOMA 73134
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VICINITY MAP



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SECTION 9 TWP 6N RGE 8W MERIDIAN I.M.

COUNTY GRADY STATE OKLAHOMA

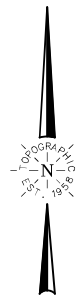
DESCRIPTION 350' FSL & 1088' FEL

DISTANCE & DIRECTION

FROM THE INTERSECTION OF W COUNTRY CLUB RD AND NORGE RD
IN CHICKASHA, HEAD WEST ON W COUNTRY CLUB RD FOR ± 2.7MI
AND TURN SOUTH ON COUNTY STREET 2790 FOR ±1.0MI TURNING
WEST ON COUNTY RD 1390 FOR ±1.0MI TO THE SE COR. OF
SECTION 9.

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SCALE: 1" = 5000'
 0' 2500' 5000'

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