

API NUMBER: 133 25359

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

Approval Date: 03/04/2021

Expiration Date: 09/04/2022

Directional Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 35 Township: 8N Range: 5E County: SEMINOLE

SPOT LOCATION: ☐ SW ☐ NW ☐ SE ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 769 1594

Lease Name: ZELLER Well No: 1-35 Well will be 274 feet from nearest unit or lease boundary.

Operator Name: REACH OIL AND GAS COMPANY INC Telephone: 4052545779 OTC/OCC Number: 24558 0

REACH OIL AND GAS COMPANY INC
6301 WATERFORD BLVD STE 120
OKLAHOMA CITY, OK 73118-1100

DAVID ZELLER
PO BOX 160
MAUD OK 74854

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

	Name	Code	Depth
1	HUNTON	269HNTN	4340
2	VIOLA	202VIOL	4450
3	SIMPSON DOLOMITE	202SMPSD	4525
4	1ST WILCOX	202WLCX1	4680
5	2ND WILCOX	202WLCX2	4700

Spacing Orders: No Spacing

Location Exception Orders: No Exceptions

Increased Density Orders: No Density Orders

Pending CD Numbers: 202100096

Working interest owners' notified: ***

Special Orders: No Special Orders

Total Depth: 4700 Ground Elevation: 978

Surface Casing: 830

Depth to base of Treatable Water-Bearing FM: 660

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: 21-37535

H. (Other)

CLOSED SYSTEM=STEEL PITS PER OPERATOR
REQUEST

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 8000 Average: 5000

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: VANOSS

DIRECTIONAL HOLE 1

Section: 35 Township: 8N Range: 5E Meridian: 1M
County: SEMINOLE

Measured Total Depth: 4814

Spot Location of End Point: SW SE SE SW

True Vertical Depth: 4700

Feet From: SOUTH 1/4 Section Line: 116

End Point Location from
Lease, Unit, or Property Line: 867

Feet From: WEST 1/4 Section Line: 2188

NOTES:

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.

Category	Description
HYDRAULIC FRACTURING	[3/2/2021 - 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
PENDING CD - 202100096	[3/3/2021 - G56] - (160)(IRR UNIT) SE4 SW4, SW4 SE4 35-8N-5E & NW4 NE4, NE4 NW4 2-7N-5E VAC OTHERS VAC 228668 MSRH, DLMT, SMPSL, WLCX1, WLCX2, OTHERS NE4 NW4 2-7N-5E VAC 47749 MSRH, DLMT, WLCX1, OTHERS SE4 SW4, SW4 SE4 35-8N-5E EST HNTN, VIOL, SMPSD, WLCX1, WLCX2, OTHERS REC 2/16/2021 (THOMAS)



Well Location Plat

Sec. 35-8N-5E I.M.

Operator: REACH OIL AND GAS COMPANY, INC.

Lease Name and No.: ZELLER #1-35

Surface Hole Location: 769' FSL - 1594' FWL Gr. Elevation: 978'

SW/4-NW/4-SE/4-SW/4 Section: 35 Township: 8N Range: 5E I.M.

Bottom Hole Location: 116' FSL - 2188' FWL

SW/4-SE/4-SE/4-SW/4 Section: 35 Township: 8N Range: 5E I.M.

County: Seminole State of Oklahoma

Terrain at Loc.: Location fell in timber with some open spots. Well stake fell 266' S. of an existing Blue Knight pipeline and 294' E. of a N-S fence.



All bearings shown are grid bearings.



1" = 1000'

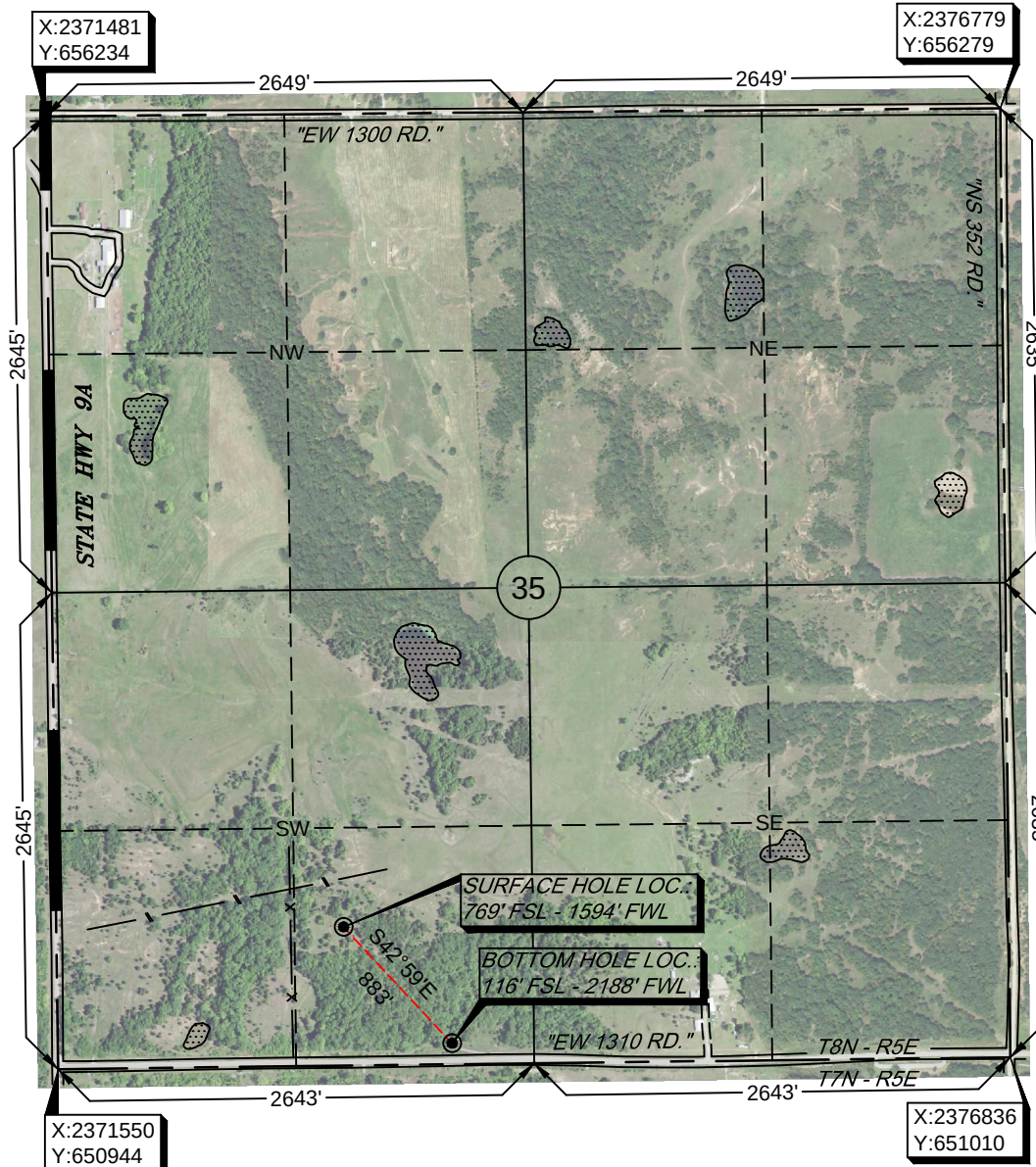
GPS DATUM

NAD 27

OK SOUTH ZONE

Surface Hole Loc.:
Lat: 35°07'04.33"N
Lon: 96°45'08.38"W
Lat: 35.11786951
Lon: -96.75232686
X: 2373134
Y: 651733

Bottom Hole Loc.:
Lat: 35°06'57.87"N
Lon: 96°45'01.23"W
Lat: 35.11607474
Lon: -96.75034070
X: 2373736
Y: 651087



Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, and the accuracy of this survey is not guaranteed. Please consult the plat for a complete description of the survey and the accuracy of the survey. GPS data obtained from RTK - GPS. NOTE: X and Y data shown herein 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.

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, 2022

Invoice #9261

Date Staked: 02/04/2021 By: D.W.

Date Drawn: 02/09/2021 By: R.M.

Rev'd BHL: 03/01/2021 By: J.K.

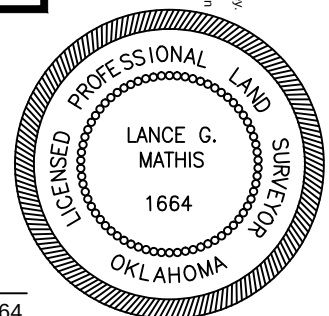
Certification:

This is to certify that this Well Location Plat represents the results of a survey made on the ground performed under the supervision of the undersigned.

Lance G. Mathis
LANCE G. MATHIS

03/01/2021

OK LPLS 1664





Topographic Vicinity Map



Operator: REACH OIL AND GAS COMPANY, INC.

Lease Name and No.: ZELLER #1-35

Surface Hole Location: 769' FSL - 1594' FWL

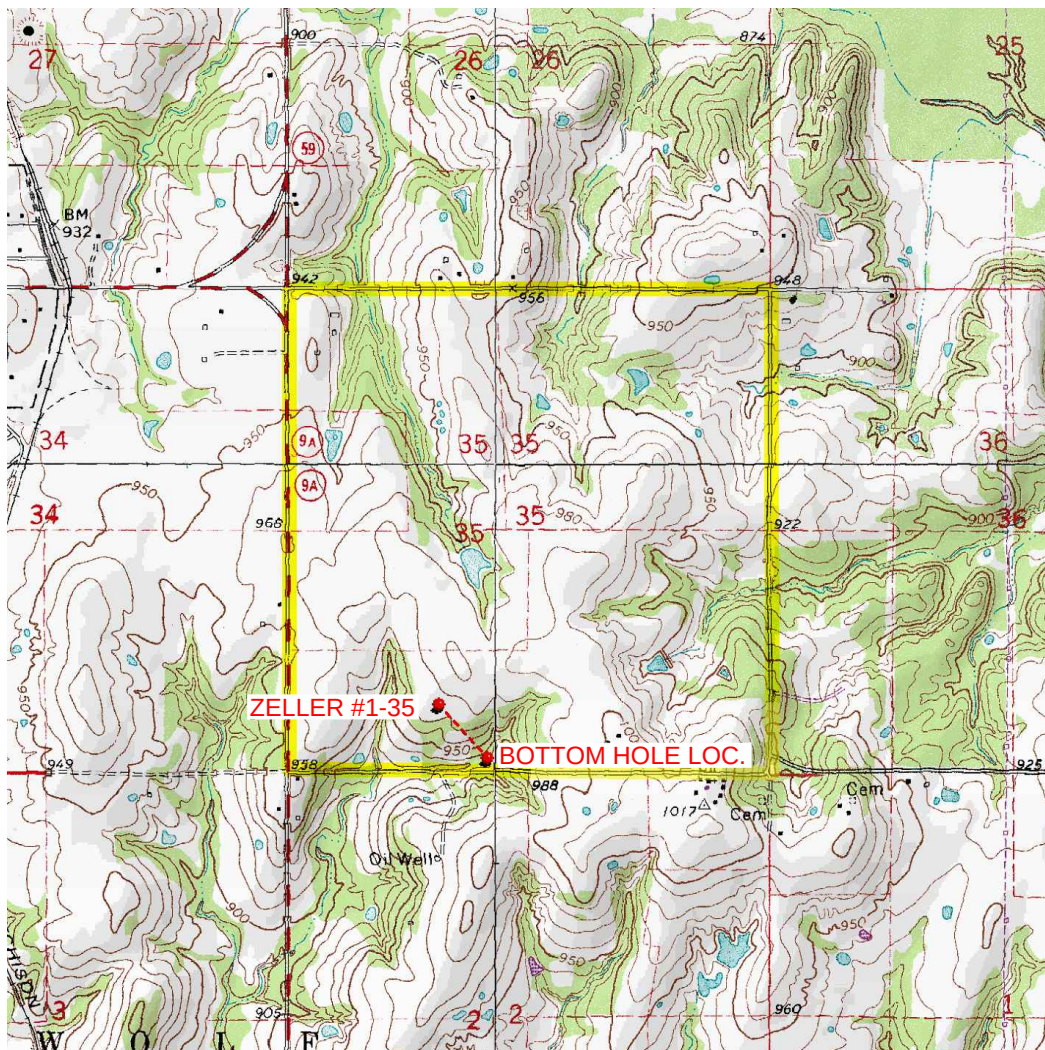
Bottom Hole Location: 116' FSL - 2188' FWL

Sec. 35 Twp. 8N Rng. 5E I.M.

County: Seminole State of Oklahoma

Ground Elevation at Surface Hole Location: 978'

Scale 1" = 2000'
Contour Interval: 10'



Provided 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, 2022

Date Staked: 05/09/19

The purpose of this map is to verify the location and elevation as staked on the ground and to show the surrounding Topographic features. The footage shown hereon is only as SCALED onto a U.S.G.S. Topographic Map.

Please note that this location was staked carefully 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.

County Highway Vicinity Map

Job #: 9261

Operator: REACH OIL AND GAS COMPANY, INC.

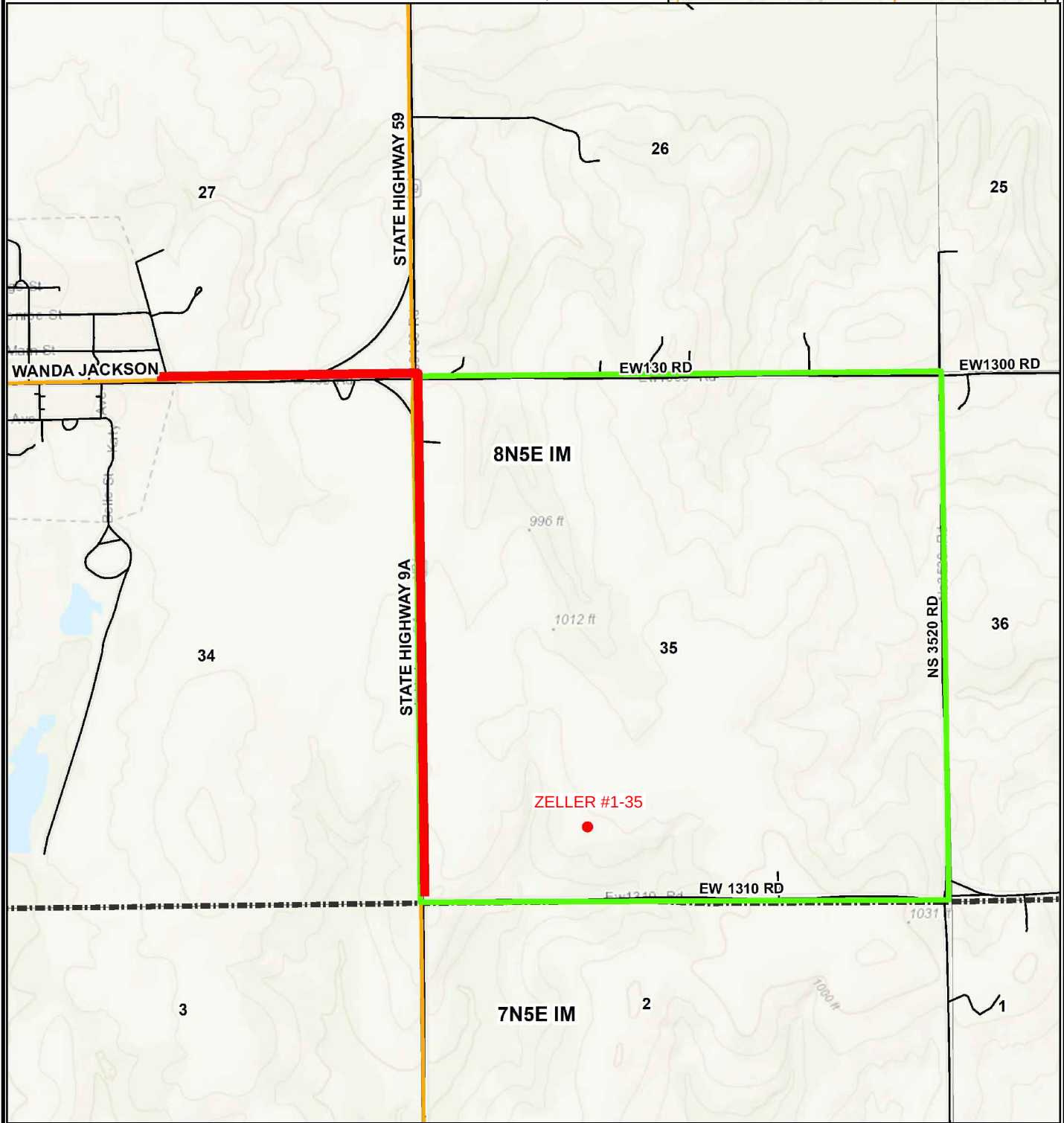
Lease Name and No.: ZELLER #1-35

Accessibility: From the North.

Directions: From the junction of State HWY 59 & State HWY 9A in the town of Maud, OK, go 0.5 mile East on "EW 1300 RD.", then go 1.0 mile South on State Highway 9A to the Southwest Quarter of Section 35-8N-5E.

1 inch = 0.25 mile

provided 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, 2020

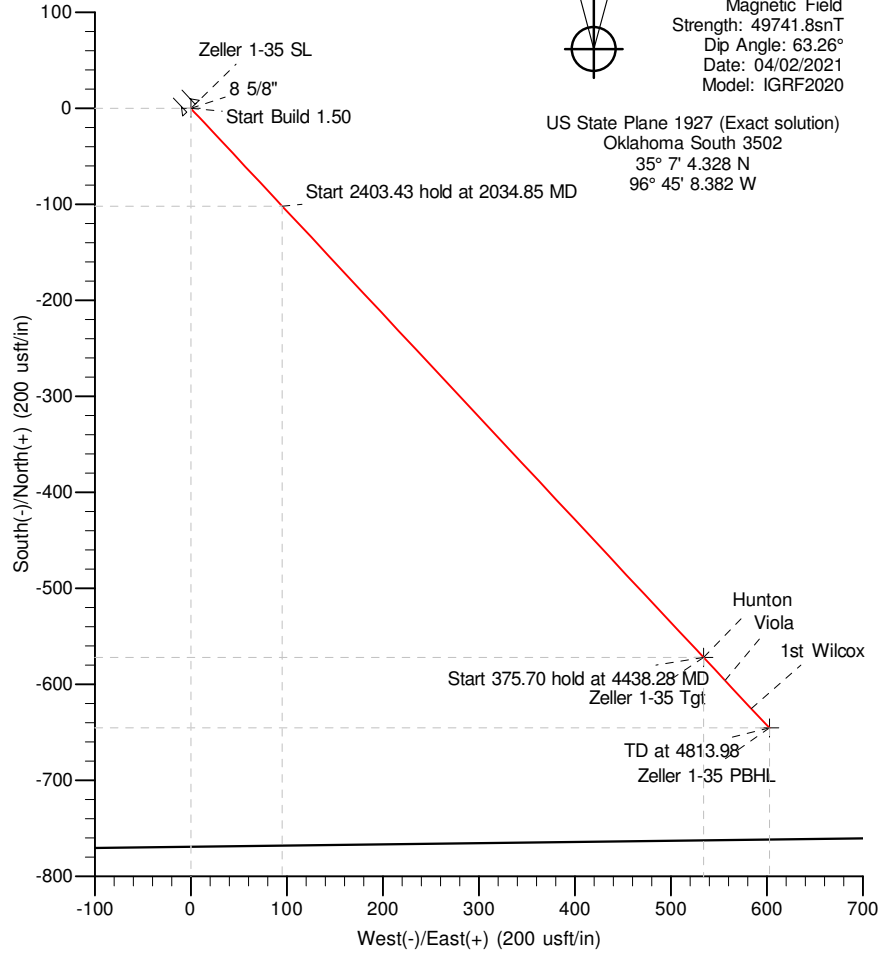
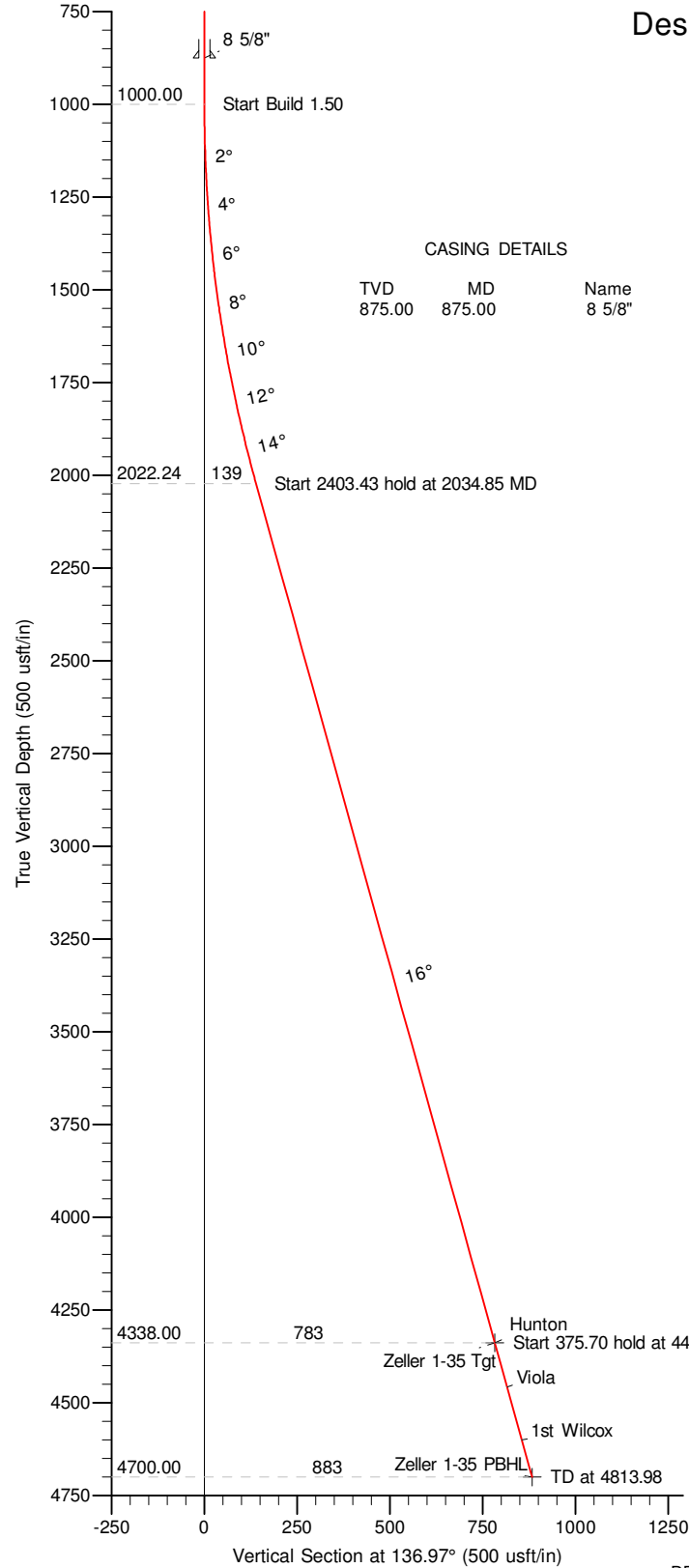




Azimuths to Grid North
True North: -0.71°
Magnetic North: 2.24°

Magnetic Field
Strength: 49741.8snT
Dip Angle: 63.26°
Date: 04/02/2021
Model: IGRF2020

US State Plane 1927 (Exact solution)
Oklahoma South 3502
35° 7' 4.328 N
96° 45' 8.382 W



Target Tolerance TBD

FORMATION DETAILS

TVDPATH	MDPATH	FORMATION
4338.00	4438.28	Hunton
4457.00	4561.79	Viola
4600.00	4710.20	1st Wilcox

S35-T8N-R5E
SL 769'FSL 1594'FWL
Tgt 191'FSL 2120'FWL
PBHL 116'FSL 2188'FWL

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Zeller 1-35 SL	0.00	0.00	0.00	651733.00	2373134.00	35° 7' 4.328 N	96° 45' 8.382 W	Point
Zeller 1-35 Tgt	4338.00	-572.01	534.01	651161.00	2373668.00	35° 6' 58.605 N	96° 45' 2.040 W	Point
Zeller 1-35 PBHL	4700.00	-645.51	602.63	651087.50	2373736.62	35° 6' 57.870 N	96° 45' 1.225 W	Point

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSECT	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	0.00	
3	2034.85	15.52	136.97	2022.24	-101.84	95.08	1.50	136.97	139.33	
4	4438.28	15.52	136.97	4338.00	-572.01	534.01	0.00	0.00	782.54	Zeller 1-35 Tgt
5	4813.98	15.52	136.97	4700.00	-645.51	602.63	0.00	0.00	883.08	Zeller 1-35 PBHL

Titan Directional Drilling

Survey Report

Company:	Reach Oil & Gas Company, Inc.	Local Co-ordinate Reference:	Well #1-35
Project:	Maud Offsets	TVD Reference:	GL+KB @ 991.00usft (Dan D #2)
Site:	Zeller #1-35	MD Reference:	GL+KB @ 991.00usft (Dan D #2)
Well:	#1-35	North Reference:	Grid
Wellbore:	#1-35 OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #2	Database:	EDM 5k-14

Project	Maud Offsets, Arkoma OK-S'27		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Oklahoma South 3502		Using geodetic scale factor

Site	Zeller #1-35, Centered on #1 stake 2-4-21		
Site Position:		Northing:	651,733.00 usft
From:	Map	Easting:	2,373,134.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	35° 7' 4.328 N
		Longitude:	96° 45' 8.382 W
		Grid Convergence:	0.71 °

Well	#1-35		
Well Position	+N/-S	0.00 usft	Northing: 651,733.00 usft
	+E/-W	0.00 usft	Easting: 2,373,134.00 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
		Latitude:	35° 7' 4.328 N
		Longitude:	96° 45' 8.382 W
		Ground Level:	978.00 usft

Wellbore	#1-35 OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	04/02/21	2.95	63.26	49,741.78159472

Design	Plan #2				
Audit Notes:	p2 for defined tops and extended rathole				
Version:		Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00		136.97

Survey Tool Program	Date	02/23/21			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	4,813.99	Plan #2 (#1-35 OH)	MWD	MWD - Standard	

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
875.00	0.00	0.00	875.00	0.00	0.00	0.00	0.00	0.00	0.00	
8 5/8"										
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,100.00	1.50	136.97	1,099.99	-0.96	0.89	1.31	1.50	1.50	0.00	
1,200.00	3.00	136.97	1,199.91	-3.83	3.57	5.23	1.50	1.50	0.00	
1,300.00	4.50	136.97	1,299.69	-8.61	8.04	11.77	1.50	1.50	0.00	
1,400.00	6.00	136.97	1,399.27	-15.30	14.28	20.92	1.50	1.50	0.00	
1,500.00	7.50	136.97	1,498.57	-23.89	22.30	32.68	1.50	1.50	0.00	
1,600.00	9.00	136.97	1,597.54	-34.38	32.09	47.03	1.50	1.50	0.00	
1,700.00	10.50	136.97	1,696.09	-46.75	43.65	63.96	1.50	1.50	0.00	

Titan Directional Drilling

Survey Report

Company:	Reach Oil & Gas Company, Inc.	Local Co-ordinate Reference:	Well #1-35
Project:	Maud Offsets	TVD Reference:	GL+KB @ 991.00usft (Dan D #2)
Site:	Zeller #1-35	MD Reference:	GL+KB @ 991.00usft (Dan D #2)
Well:	#1-35	North Reference:	Grid
Wellbore:	#1-35 OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #2	Database:	EDM 5k-14

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,800.00	12.00	136.97	1,794.16	-61.01	56.96	83.47	1.50	1.50	0.00
1,900.00	13.50	136.97	1,891.70	-77.15	72.02	105.54	1.50	1.50	0.00
2,000.00	15.00	136.97	1,988.62	-95.14	88.82	130.15	1.50	1.50	0.00
2,034.85	15.52	136.97	2,022.24	-101.84	95.08	139.33	1.50	1.50	0.00
2,100.00	15.52	136.97	2,085.01	-114.59	106.98	156.76	0.00	0.00	0.00
2,200.00	15.52	136.97	2,181.36	-134.15	125.24	183.52	0.00	0.00	0.00
2,300.00	15.52	136.97	2,277.72	-153.71	143.50	210.29	0.00	0.00	0.00
2,400.00	15.52	136.97	2,374.07	-173.28	161.76	237.05	0.00	0.00	0.00
2,500.00	15.52	136.97	2,470.42	-192.84	180.03	263.81	0.00	0.00	0.00
2,600.00	15.52	136.97	2,566.77	-212.40	198.29	290.57	0.00	0.00	0.00
2,700.00	15.52	136.97	2,663.12	-231.96	216.55	317.34	0.00	0.00	0.00
2,800.00	15.52	136.97	2,759.48	-251.53	234.82	344.10	0.00	0.00	0.00
2,900.00	15.52	136.97	2,855.83	-271.09	253.08	370.86	0.00	0.00	0.00
3,000.00	15.52	136.97	2,952.18	-290.65	271.34	397.62	0.00	0.00	0.00
3,100.00	15.52	136.97	3,048.53	-310.21	289.60	424.38	0.00	0.00	0.00
3,200.00	15.52	136.97	3,144.89	-329.77	307.87	451.15	0.00	0.00	0.00
3,300.00	15.52	136.97	3,241.24	-349.34	326.13	477.91	0.00	0.00	0.00
3,400.00	15.52	136.97	3,337.59	-368.90	344.39	504.67	0.00	0.00	0.00
3,500.00	15.52	136.97	3,433.94	-388.46	362.66	531.43	0.00	0.00	0.00
3,600.00	15.52	136.97	3,530.30	-408.02	380.92	558.20	0.00	0.00	0.00
3,700.00	15.52	136.97	3,626.65	-427.59	399.18	584.96	0.00	0.00	0.00
3,800.00	15.52	136.97	3,723.00	-447.15	417.44	611.72	0.00	0.00	0.00
3,900.00	15.52	136.97	3,819.35	-466.71	435.71	638.48	0.00	0.00	0.00
4,000.00	15.52	136.97	3,915.71	-486.27	453.97	665.24	0.00	0.00	0.00
4,100.00	15.52	136.97	4,012.06	-505.84	472.23	692.01	0.00	0.00	0.00
4,200.00	15.52	136.97	4,108.41	-525.40	490.49	718.77	0.00	0.00	0.00
4,300.00	15.52	136.97	4,204.76	-544.96	508.76	745.53	0.00	0.00	0.00
4,400.00	15.52	136.97	4,301.12	-564.52	527.02	772.29	0.00	0.00	0.00
4,438.28	15.52	136.97	4,338.00	-572.01	534.01	782.54	0.00	0.00	0.00
Hunton									
4,500.00	15.52	136.97	4,397.47	-584.09	545.28	799.06	0.00	0.00	0.00
4,561.79	15.52	136.97	4,457.00	-596.17	556.57	815.59	0.00	0.00	0.00
Viola									
4,600.00	15.52	136.97	4,493.82	-603.65	563.55	825.82	0.00	0.00	0.00
4,700.00	15.52	136.97	4,590.17	-623.21	581.81	852.58	0.00	0.00	0.00
4,710.20	15.52	136.97	4,600.00	-625.21	583.67	855.31	0.00	0.00	0.00
1st Wilcox									
4,800.00	15.52	136.97	4,686.53	-642.77	600.07	879.34	0.00	0.00	0.00
4,813.99	15.52	136.97	4,700.00	-645.51	602.63	883.08	0.00	0.00	0.00

Titan Directional Drilling

Survey Report

Company:	Reach Oil & Gas Company, Inc.	Local Co-ordinate Reference:	Well #1-35
Project:	Maud Offsets	TVD Reference:	GL+KB @ 991.00usft (Dan D #2)
Site:	Zeller #1-35	MD Reference:	GL+KB @ 991.00usft (Dan D #2)
Well:	#1-35	North Reference:	Grid
Wellbore:	#1-35 OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #2	Database:	EDM 5k-14

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
875.00	875.00	8 5/8"	8-5/8	12-1/4	

Formations					
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,438.28	4,338.00	Hunton		0.00	
4,561.79	4,457.00	Viola		0.00	
4,710.20	4,600.00	1st Wilcox		0.00	