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Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
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District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Sante Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Sante Fe, NM 87505

SUNDRY
WELL NO.
TVD
CASINER

FORM C-102
dated August 1, 2011
by appropriate
District Office
NDED REPORT

WC-025 G-07 S213330F, B5

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-41518	² Pool Code 97927	³ Pool Name WC-025 G-07 S213330F; Bone Spring
⁴ Property Code 40174	⁵ Property Name FRUIT LOOP 29 STATE	⁶ Well Number #501H
⁷ GRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3726'

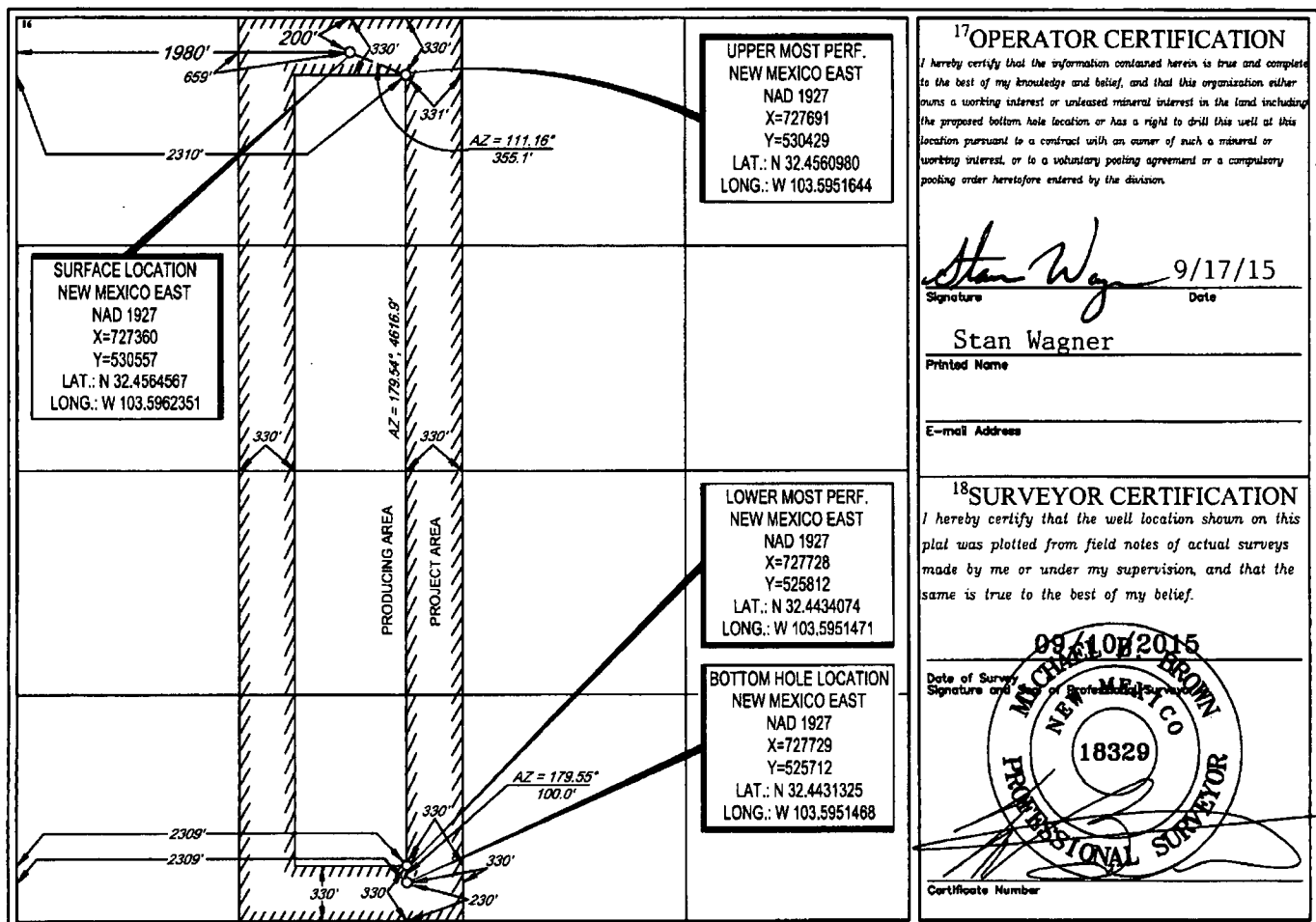
¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	29	21-S	33-E	-	200'	NORTH	1980'	WEST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	29	21-S	33-E	-	230'	SOUTH	2309'	WEST	LEA

¹¹ Dedicated Acres 160.00	¹² Joint or Infill	¹³ Consolidation Code	¹⁴ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



S:\SURVEY\EOG_MIDLAND\FRUIT_LOOP29_STATE_701H\FINAL_PRODUCT\SILO_FRUITLOOP29STATE_501H_REV2.DWG 9/18/2015 3:41:53 PM svilagrana

SEP 18 2015

Revised Permit Information 9/17/15:

Well Name: Fruit Loop 29 State No. 501H

Location:

SL: 200' FNL & 1980' FWL, Section 29, T-21-S, R-33-E, Lea Co., N.M.

BHL: 230' FSL & 2309' FWL, Section 29, T-21-S, R-33-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
17.5"	0 – 1,580'	13.375"	54.5#	J55	STC	1.125	1.25	1.60
12.25"	0-4,400'	9.625"	40#	J55	LTC	1.125	1.25	1.60
8.75"	0'-15,759'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /ft	Slurry Description
1,580'	600	13.5	1.73	Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	300	14.8	1.34	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
4,400'	700	12.7	2.22	Class 'C' + 1.50% R-3 + 0.25 lb/sk Cello-Flake + 2.0% Sodium Metasilicate + 10% Salt + 0.005 lb/sk Static Free (TOC @ Surface)
	200	14.8	1.32	Tail: Class 'C' + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
15,759'	375	10.8	3.67	60:40:0 Class C + 15.0 pps BA-90 + 4% MPA-5 + 3.0% SMS + 5.0% A-10 + 1.0% BA-10A + 0.80% ASA-301 + 2.55% R-21 + 8.0 pps LCM-1 (TOC @ 3,900')
	300	11.8	2.38	50:50:10 Class H + 0.80% FL-52 + 0.30% ASA-301 + 0.40% SMS + 2.0% Salt + 0.30% R-21 + 3.0 pps LCM-1 + 0.25 pps Celloflake
	1300	14.2	1.28	50:50:2 Class H + 0.65% FL-52 + 0.45% CD-32 + 0.10% SMS + 2.0% Salt

Mud Program:

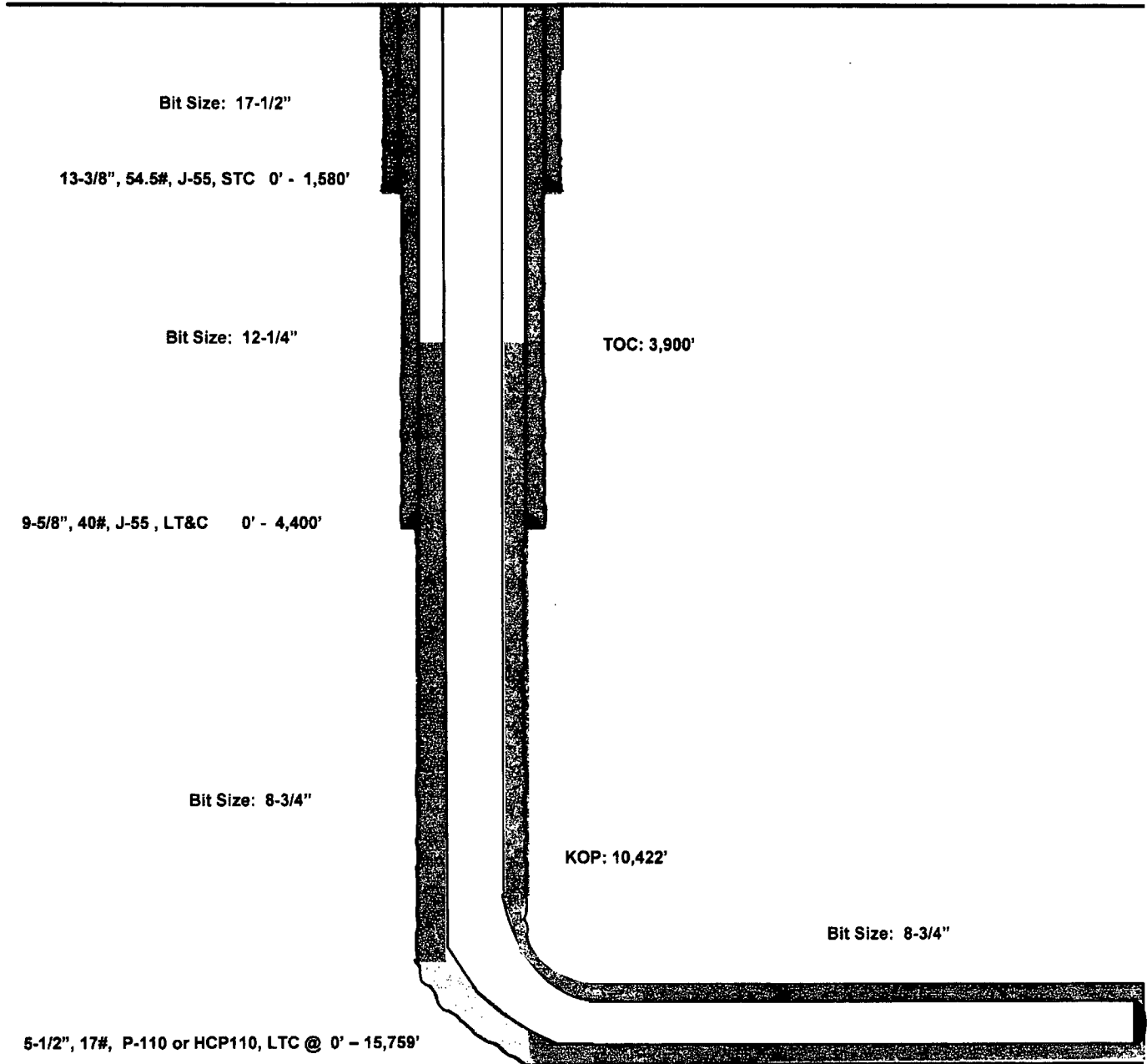
Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,580'	Fresh - Gel	8.6-8.8	28-34	N/c
1,580' – 4,400'	Oil Base	8.7-9.4	58-68	N/c - 6
4,400' – 10,422'	Oil Base	8.7-9.4	58-68	N/c - 6
10,422' – 15,759' Lateral	Oil Base	9.0-9.5	58-68	N/c - 6

**Fruit Loop 29 State #501H
Lea County, New Mexico**

**200' FNL
1980' FWL
Section 29
T-21-S, R-33-E**

**Proposed Wellbore
Revised 9/17/15
API: 30-025-41518**

**KB: 3,751'
GL: 3,726'**



Lateral: 15,759' MD, 11,000' TVD

**BH Location: 230' FSL & 2309' FWL
Section 29
T-21-S, R-33-E**



Lea County, NM (NAD 27 NME)

Fruit Loop 29 State #501H

H&P 415

Plan #1

PROJECT DETAILS: Lea County, NM (NAD 27 NME)

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

WELL DETAILS: #501H

Ground Level: 3726.0
KB = 25' @ 3761.0 surf (H&P 415)
Northing 530557.00 Easting 727380.00 Latitude 32° 27' 23.241 N Longitude 103° 36' 46.447 W

SECTION DETAILS

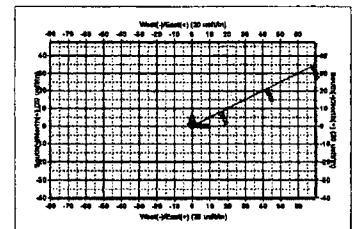
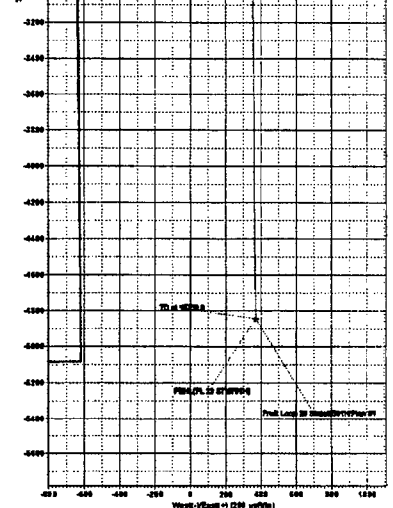
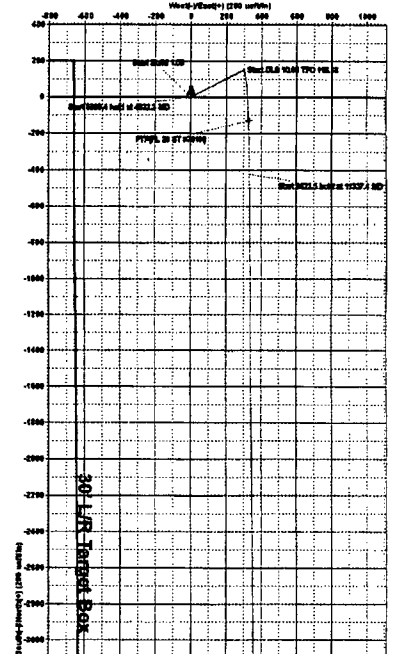
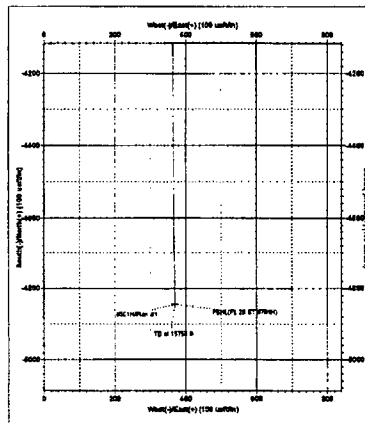
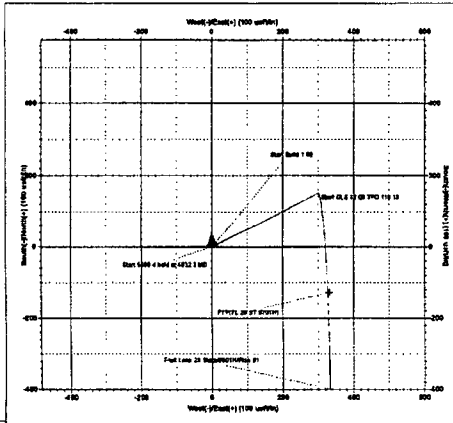
Sec	MD	Inc	Azi	TVD	+N/S	+E/W	Diag	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4500.0	0.00	0.00	4500.0	0.0	0.0	0.00	0.00	0.0	
3	4832.3	3.32	63.32	4832.2	4.3	8.6	1.00	83.32	-3.7	
4	10422.8	3.32	63.32	10413.2	149.9	298.2	0.00	0.00	-126.8	
5	11337.4	90.00	179.54	11000.0	-422.6	333.4	10.00	116.18	446.7	
6	15759.9	90.00	179.54	11000.0	-4845.0	369.0	0.00	0.00	4659.0	PBHL (FL 29 ST #701H)

CASING DETAILS

No casing data is available

WELLSBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/S	+E/W	Northing	Easting
FTPL (FL 29 ST #701H)	11000.0	-126.8	331.0	530425.00	727691.00
PBHL (FL 29 ST #701H)	11000.0	-4845.0	369.0	528712.00	727729.00



Vertical Section at 179.44° (200' width)



EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Fruit Loop 29 State

#501H

OH

Plan: Plan #1

Standard Planning Report

17 September, 2015



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Fruit Loop 29 State
Well: #501H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #501H
TVD Reference: KB = 25' @ 3751.0usft (H&P 415)
MD Reference: KB = 25' @ 3751.0usft (H&P 415)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project	Lea County, NM (NAD 27 NME)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Fruit Loop 29 State			
Site Position:		Northing:	525,719.00 usft	Latitude: 32° 26' 35.478 N
From:	Map	Easting:	725,750.00 usft	Longitude: 103° 36' 5.623 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.39 °

Well	#501H			
Well Position	+N/-S	4,838.0 usft	Northing:	530,557.00 usft
	+E/-W	1,610.0 usft	Easting:	727,360.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level: 3,726.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/10/2015	7.16	60.29	48,246

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	175.64

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,832.3	3.32	63.32	4,832.2	4.3	8.6	1.00	1.00	0.00	63.32	
10,422.8	3.32	63.32	10,413.2	149.9	298.2	0.00	0.00	0.00	0.00	
11,337.4	90.00	179.54	11,000.0	-422.6	333.4	10.00	9.48	12.71	116.18	
15,759.9	90.00	179.54	11,000.0	-4,845.0	369.0	0.00	0.00	0.00	0.00	PBHL(FL 29 ST #701



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Fruit Loop 29 State
Well: #501H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #501H
TVD Reference: KB = 25' @ 3751.0usft (H&P 415)
MD Reference: KB = 25' @ 3751.0usft (H&P 415)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	1.00	63.32	4,600.0	0.4	0.8	-0.3	1.00	1.00	0.00
4,700.0	2.00	63.32	4,700.0	1.6	3.1	-1.3	1.00	1.00	0.00
4,800.0	3.00	63.32	4,799.9	3.5	7.0	-3.0	1.00	1.00	0.00
4,832.3	3.32	63.32	4,832.2	4.3	8.6	-3.7	1.00	1.00	0.00
4,900.0	3.32	63.32	4,899.7	6.1	12.1	-5.2	0.00	0.00	0.00
5,000.0	3.32	63.32	4,999.5	8.7	17.3	-7.4	0.00	0.00	0.00
5,100.0	3.32	63.32	5,099.4	11.3	22.5	-9.6	0.00	0.00	0.00
5,200.0	3.32	63.32	5,199.2	13.9	27.7	-11.8	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Fruit Loop 28 State
Well: #501H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #501H
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MD Reference: KB = 25' @ 3751.0usft (H&P 415)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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)
5,300.0	3.32	63.32	5,299.0	16.5	32.8	-14.0	0.00	0.00	0.00
5,400.0	3.32	63.32	5,398.9	19.1	38.0	-16.2	0.00	0.00	0.00
5,500.0	3.32	63.32	5,498.7	21.7	43.2	-18.4	0.00	0.00	0.00
5,600.0	3.32	63.32	5,598.5	24.3	48.4	-20.6	0.00	0.00	0.00
5,700.0	3.32	63.32	5,698.4	26.9	53.6	-22.8	0.00	0.00	0.00
5,800.0	3.32	63.32	5,798.2	29.5	58.7	-25.0	0.00	0.00	0.00
5,900.0	3.32	63.32	5,898.0	32.1	63.9	-27.2	0.00	0.00	0.00
6,000.0	3.32	63.32	5,997.8	34.7	69.1	-29.4	0.00	0.00	0.00
6,100.0	3.32	63.32	6,097.7	37.3	74.3	-31.6	0.00	0.00	0.00
6,200.0	3.32	63.32	6,197.5	39.9	79.5	-33.8	0.00	0.00	0.00
6,300.0	3.32	63.32	6,297.3	42.5	84.6	-36.0	0.00	0.00	0.00
6,400.0	3.32	63.32	6,397.2	45.1	89.8	-38.2	0.00	0.00	0.00
6,500.0	3.32	63.32	6,497.0	47.7	95.0	-40.4	0.00	0.00	0.00
6,600.0	3.32	63.32	6,596.8	50.3	100.2	-42.6	0.00	0.00	0.00
6,700.0	3.32	63.32	6,696.7	52.9	105.4	-44.8	0.00	0.00	0.00
6,800.0	3.32	63.32	6,796.5	55.6	110.5	-47.0	0.00	0.00	0.00
6,900.0	3.32	63.32	6,896.3	58.2	115.7	-49.2	0.00	0.00	0.00
7,000.0	3.32	63.32	6,996.2	60.8	120.9	-51.4	0.00	0.00	0.00
7,100.0	3.32	63.32	7,096.0	63.4	126.1	-53.6	0.00	0.00	0.00
7,200.0	3.32	63.32	7,195.8	66.0	131.3	-55.8	0.00	0.00	0.00
7,300.0	3.32	63.32	7,295.7	68.6	136.4	-58.0	0.00	0.00	0.00
7,400.0	3.32	63.32	7,395.5	71.2	141.6	-60.2	0.00	0.00	0.00
7,500.0	3.32	63.32	7,495.3	73.8	146.8	-62.4	0.00	0.00	0.00
7,600.0	3.32	63.32	7,595.2	76.4	152.0	-64.6	0.00	0.00	0.00
7,700.0	3.32	63.32	7,695.0	79.0	157.2	-66.8	0.00	0.00	0.00
7,800.0	3.32	63.32	7,794.8	81.6	162.3	-69.0	0.00	0.00	0.00
7,900.0	3.32	63.32	7,894.7	84.2	167.5	-71.2	0.00	0.00	0.00
8,000.0	3.32	63.32	7,994.5	86.8	172.7	-73.4	0.00	0.00	0.00
8,100.0	3.32	63.32	8,094.3	89.4	177.9	-75.6	0.00	0.00	0.00
8,200.0	3.32	63.32	8,194.1	92.0	183.1	-77.8	0.00	0.00	0.00
8,300.0	3.32	63.32	8,294.0	94.6	188.2	-80.0	0.00	0.00	0.00
8,400.0	3.32	63.32	8,393.8	97.2	193.4	-82.2	0.00	0.00	0.00
8,500.0	3.32	63.32	8,493.6	99.8	198.6	-84.4	0.00	0.00	0.00
8,600.0	3.32	63.32	8,593.5	102.4	203.8	-86.6	0.00	0.00	0.00
8,700.0	3.32	63.32	8,693.3	105.0	209.0	-88.8	0.00	0.00	0.00
8,800.0	3.32	63.32	8,793.1	107.6	214.1	-91.0	0.00	0.00	0.00
8,900.0	3.32	63.32	8,893.0	110.2	219.3	-93.2	0.00	0.00	0.00
9,000.0	3.32	63.32	8,992.8	112.8	224.5	-95.4	0.00	0.00	0.00
9,100.0	3.32	63.32	9,092.6	115.4	229.7	-97.7	0.00	0.00	0.00
9,200.0	3.32	63.32	9,192.5	118.0	234.9	-99.9	0.00	0.00	0.00
9,300.0	3.32	63.32	9,292.3	120.6	240.0	-102.1	0.00	0.00	0.00
9,400.0	3.32	63.32	9,392.1	123.2	245.2	-104.3	0.00	0.00	0.00
9,500.0	3.32	63.32	9,492.0	125.8	250.4	-106.5	0.00	0.00	0.00
9,600.0	3.32	63.32	9,591.8	128.4	255.6	-108.7	0.00	0.00	0.00
9,700.0	3.32	63.32	9,691.6	131.0	260.8	-110.9	0.00	0.00	0.00
9,800.0	3.32	63.32	9,791.5	133.6	265.9	-113.1	0.00	0.00	0.00
9,900.0	3.32	63.32	9,891.3	136.3	271.1	-115.3	0.00	0.00	0.00
10,000.0	3.32	63.32	9,991.1	138.9	276.3	-117.5	0.00	0.00	0.00
10,100.0	3.32	63.32	10,091.0	141.5	281.5	-119.7	0.00	0.00	0.00
10,200.0	3.32	63.32	10,190.8	144.1	286.7	-121.9	0.00	0.00	0.00
10,300.0	3.32	63.32	10,290.6	146.7	291.8	-124.1	0.00	0.00	0.00
10,400.0	3.32	63.32	10,390.4	149.3	297.0	-126.3	0.00	0.00	0.00
10,422.8	3.32	63.32	10,413.2	149.9	298.2	-126.8	0.00	0.00	0.00
10,450.0	3.24	112.41	10,440.4	149.9	299.6	-126.7	10.00	-0.32	180.16



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Fruit Loop 29 State
Well: #501H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #501H
TVD Reference: KB = 25' @ 3751.0usft (H&P 415)
MD Reference: KB = 25' @ 3751.0usft (H&P 415)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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)
10,500.0	6.93	154.15	10,490.2	146.7	302.2	-123.3	10.00	7.39	83.49
10,550.0	11.64	164.89	10,539.5	139.1	304.9	-115.5	10.00	9.42	21.47
10,600.0	16.52	169.42	10,588.0	127.2	307.5	-103.5	10.00	9.76	9.06
10,650.0	21.46	171.92	10,635.3	111.2	310.1	-87.3	10.00	9.87	5.00
10,700.0	26.41	173.52	10,681.0	91.0	312.6	-67.0	10.00	9.92	3.19
10,750.0	31.38	174.64	10,724.7	67.0	315.1	-42.9	10.00	9.94	2.24
10,800.0	36.36	175.48	10,766.2	39.3	317.5	-15.0	10.00	9.96	1.68
10,850.0	41.35	176.14	10,805.1	8.0	319.8	18.3	10.00	9.97	1.33
10,900.0	46.33	176.69	10,841.2	-26.6	321.9	50.9	10.00	9.97	1.09
10,950.0	51.32	177.15	10,874.1	-64.1	323.9	88.6	10.00	9.98	0.92
11,000.0	56.31	177.55	10,903.6	-104.4	325.8	128.9	10.00	9.98	0.80
11,050.0	61.30	177.90	10,929.5	-147.2	327.5	171.6	10.00	9.98	0.71
11,084.1	62.70	178.00	10,936.1	-159.6	327.9	184.0	10.00	9.98	0.67
FTP (FL 29 ST #701H)									
11,100.0	66.29	178.23	10,951.6	-192.0	329.0	216.4	10.00	9.98	0.64
11,150.0	71.28	178.53	10,989.7	-238.6	330.3	263.0	10.00	9.98	0.60
11,200.0	76.28	178.81	10,983.6	-286.5	331.4	310.9	10.00	9.99	0.56
11,250.0	81.27	179.08	10,993.4	-335.6	332.3	359.8	10.00	9.99	0.54
11,300.0	86.26	179.34	10,998.8	-385.2	333.0	409.4	10.00	9.99	0.53
11,337.4	90.00	179.54	11,000.0	-422.6	333.4	446.7	10.00	9.99	0.52
11,400.0	90.00	179.54	11,000.0	-485.2	333.9	509.2	0.00	0.00	0.00
11,500.0	90.00	179.54	11,000.0	-585.2	334.7	608.9	0.00	0.00	0.00
11,600.0	90.00	179.54	11,000.0	-685.2	335.5	708.7	0.00	0.00	0.00
11,700.0	90.00	179.54	11,000.0	-785.2	336.3	808.5	0.00	0.00	0.00
11,800.0	90.00	179.54	11,000.0	-885.2	337.1	908.2	0.00	0.00	0.00
11,900.0	90.00	179.54	11,000.0	-985.2	337.9	1,008.0	0.00	0.00	0.00
12,000.0	90.00	179.54	11,000.0	-1,085.2	338.7	1,107.8	0.00	0.00	0.00
12,100.0	90.00	179.54	11,000.0	-1,185.2	339.5	1,207.6	0.00	0.00	0.00
12,200.0	90.00	179.54	11,000.0	-1,285.2	340.3	1,307.3	0.00	0.00	0.00
12,300.0	90.00	179.54	11,000.0	-1,385.2	341.1	1,407.1	0.00	0.00	0.00
12,400.0	90.00	179.54	11,000.0	-1,485.2	341.9	1,506.9	0.00	0.00	0.00
12,500.0	90.00	179.54	11,000.0	-1,585.2	342.7	1,606.6	0.00	0.00	0.00
12,600.0	90.00	179.54	11,000.0	-1,685.2	343.5	1,706.4	0.00	0.00	0.00
12,700.0	90.00	179.54	11,000.0	-1,785.2	344.4	1,806.2	0.00	0.00	0.00
12,800.0	90.00	179.54	11,000.0	-1,885.2	345.2	1,905.9	0.00	0.00	0.00
12,900.0	90.00	179.54	11,000.0	-1,985.2	346.0	2,005.7	0.00	0.00	0.00
13,000.0	90.00	179.54	11,000.0	-2,085.2	346.8	2,105.5	0.00	0.00	0.00
13,100.0	90.00	179.54	11,000.0	-2,185.2	347.6	2,205.2	0.00	0.00	0.00
13,200.0	90.00	179.54	11,000.0	-2,285.2	348.4	2,305.0	0.00	0.00	0.00
13,300.0	90.00	179.54	11,000.0	-2,385.2	349.2	2,404.8	0.00	0.00	0.00
13,400.0	90.00	179.54	11,000.0	-2,485.1	350.0	2,504.6	0.00	0.00	0.00
13,500.0	90.00	179.54	11,000.0	-2,585.1	350.8	2,604.3	0.00	0.00	0.00
13,600.0	90.00	179.54	11,000.0	-2,685.1	351.6	2,704.1	0.00	0.00	0.00
13,700.0	90.00	179.54	11,000.0	-2,785.1	352.4	2,803.9	0.00	0.00	0.00
13,800.0	90.00	179.54	11,000.0	-2,885.1	353.2	2,903.6	0.00	0.00	0.00
13,900.0	90.00	179.54	11,000.0	-2,985.1	354.0	3,003.4	0.00	0.00	0.00
14,000.0	90.00	179.54	11,000.0	-3,085.1	354.8	3,103.2	0.00	0.00	0.00
14,100.0	90.00	179.54	11,000.0	-3,185.1	355.6	3,202.9	0.00	0.00	0.00
14,200.0	90.00	179.54	11,000.0	-3,285.1	356.4	3,302.7	0.00	0.00	0.00
14,300.0	90.00	179.54	11,000.0	-3,385.1	357.2	3,402.5	0.00	0.00	0.00
14,400.0	90.00	179.54	11,000.0	-3,485.1	358.0	3,502.2	0.00	0.00	0.00
14,500.0	90.00	179.54	11,000.0	-3,585.1	358.9	3,602.0	0.00	0.00	0.00
14,600.0	90.00	179.54	11,000.0	-3,685.1	359.7	3,701.8	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

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North Reference: Grid
Survey Calculation Method: Minimum Curvature

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)
14,700.0	90.00	179.54	11,000.0	-3,785.1	360.5	3,801.5	0.00	0.00	0.00
14,800.0	90.00	179.54	11,000.0	-3,885.1	361.3	3,901.3	0.00	0.00	0.00
14,900.0	90.00	179.54	11,000.0	-3,985.1	362.1	4,001.1	0.00	0.00	0.00
15,000.0	90.00	179.54	11,000.0	-4,085.1	362.9	4,100.9	0.00	0.00	0.00
15,100.0	90.00	179.54	11,000.0	-4,185.1	363.7	4,200.6	0.00	0.00	0.00
15,200.0	90.00	179.54	11,000.0	-4,285.1	364.5	4,300.4	0.00	0.00	0.00
15,300.0	90.00	179.54	11,000.0	-4,385.1	365.3	4,400.2	0.00	0.00	0.00
15,400.0	90.00	179.54	11,000.0	-4,485.1	366.1	4,499.9	0.00	0.00	0.00
15,500.0	90.00	179.54	11,000.0	-4,585.1	366.9	4,599.7	0.00	0.00	0.00
15,600.0	90.00	179.54	11,000.0	-4,685.1	367.7	4,699.5	0.00	0.00	0.00
15,700.0	90.00	179.54	11,000.0	-4,785.1	368.5	4,799.2	0.00	0.00	0.00
15,759.9	90.00	179.54	11,000.0	-4,845.0	369.0	4,859.0	0.00	0.00	0.00

PBHL(FL 29 ST #701H)

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP(FL 29 ST #701H) - plan misses target center by 71.3usft at 11064.1usft MD (10936.1 TVD, -159.6 N, 327.9 E) - Point	0.00	0.00	11,000.0	-128.0	331.0	530,429.00	727,691.00	32° 27' 21.952 N	103° 35' 42.594 W
PBHL(FL 29 ST #701H) - plan hits target center - Point	0.00	0.00	11,000.0	-4,845.0	369.0	525,712.00	727,729.00	32° 26' 35.274 N	103° 35' 42.531 W

EOG RESOURCES, INC.
FRUIT LOOP 29 STATE #501H

Hydrogen Sulfide Plan Summary

- A. All personnel shall receive proper H₂S training in accordance with Onshore Order III.C.3.a.
- B. Briefing Area: two perpendicular areas will be designated by signs and readily accessible.
- C. Required Emergency Equipment:
- Well control equipment
 - a. Flare line 150' from wellhead to be ignited by flare gun.
 - b. Choke manifold with a remotely operated choke.
 - c. Mud/gas separator
 - Protective equipment for essential personnel.
 - Breathing apparatus:
 - a. Rescue Packs (SCBA) — 1 unit shall be placed at each breathing area, 2 shall be stored in the safety trailer.
 - b. Work/Escapes packs — 4 packs shall be stored on the rig floor with sufficient air hose not to restrict work activity.
 - c. Emergency Escape Packs — 4 packs shall be stored in the doghouse for emergency evacuation.
 - Auxiliary Rescue Equipment:
 - a. Stretcher
 - b. Two OSHA full body harness
 - c. 100 ft 5/8 inch OSHA approved rope
 - d. 1-20# class ABC fire extinguisher
 - H₂S detection and monitoring equipment:
 - The stationary detector with three sensors will be placed in the upper dog house if equipped, set to visually alarm @ 10 ppm and audible @ 14 ppm. Calibrate a minimum of every 30 days or as needed. The sensors will be placed in the following places: Rig floor / Bell nipple / End of flow line or where well bore fluid is being discharged.
 - (Gas sample tubes will be stored in the safety trailer)
 - Visual warning systems.
 - a. One color code condition sign will be placed at the entrance to the site reflecting the possible conditions at the site.
 - b. A colored condition flag will be on display, reflecting the current condition at the site at the time.
 - c. Two wind socks will be placed in strategic locations, visible from all angles.

EOG RESOURCES, INC.
FRUIT LOOP 29 STATE #501H

- **Mud program:**
The mud program has been designed to minimize the volume of H₂S circulated to surface. The operator will have the necessary mud products to minimize hazards while drilling in H₂S bearing zones.
- **Metallurgy:**
All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H₂S service.
- **Communication:**
Communication will be via cell phones and land lines where available.

EOG RESOURCES, INC.
FRUIT LOOP 29 STATE #501H

Emergency Assistance Telephone List

PUBLIC SAFETY: **911 or**

Lea County Sheriff's Department (575) 396-3611

Rod Coffman

Fire Department:

Carlsbad (575) 885-3125

Artesia (575) 746-5050

Hospitals:

Carlsbad (575) 887-4121

Artesia (575) 748-3333

Hobbs (575) 392-1979

Dept. of Public Safety/Carlsbad (575) 748-9718

Highway Department (575) 885-3281

New Mexico Oil Conservation (575) 476-3440

U.S. Dept. of Labor (575) 887-1174

EOG Resources, Inc.

EOG / Midland Office (432) 686-3600

Company Drilling Consultants:

Jett Dueitt Cell (432) 230-4840

Blake Burney

Drilling Engineer

Robert Brosig Office (432) 686-3737

Cell (432) 770-0705

Drilling Manager

Heath Work Office (432) 686-3716

Cell (903) 780-1179

Drilling Superintendent

Jason Richey Office (432) 686-3665

Cell (817) 879-6521

H&P Drilling

H&P Drilling Office (432) 563-5757

H&P 415 Drilling Rig Rig (432) 230-4840

Tool Pusher:

Johnathan Craig Cell (817) 760-6374

Brad Garrett

Safety

Reggie Phillips (HSE Manager) Office (432) 686-3747

Cell (432) 250-7507