

Submit 1 Copy To Appropriate District Office  
District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II - (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV - (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised July 18, 2013

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. 30-025-46453
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Osprey 10
8. Well Number 707H
9. OGRID Number 7377
10. Pool name or Wildcat WC-025 G-09 S253402N; Wolfcamp

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator

EOG Resources, Inc.

3. Address of Operator

P.O. Box 2267, Midland, Texas 79702

4. Well Location

Unit Letter N : 200 feet from the South line and 1733 feet from the West line  
Section 10 25S Township 34E Range        NMNM Lea County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3333'

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☒  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐  
CLOSED-LOOP SYSTEM ☐  
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐  
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

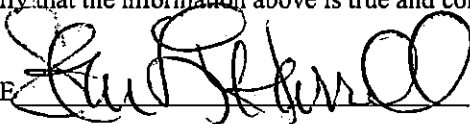
EOG respectfully requests an amendment to our approved APD for this well to reflect the following changes:  
BHL change to T-25-S R-34-E Sec. 3 2535' FSL 2585' FWL Lea Co, NM

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE



TITLE Sr Regulatory Specialist

DATE 11/26/2019

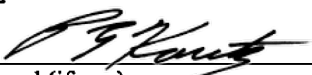
Type or print name Star Harrell

E-mail address: star\_harrell@eogresources.com

PHONE: 432-848-9161

For State Use Only

APPROVED BY:



TITLE

Petroleum Engineer

DATE 11/26/2019

Conditions of Approval (if any):

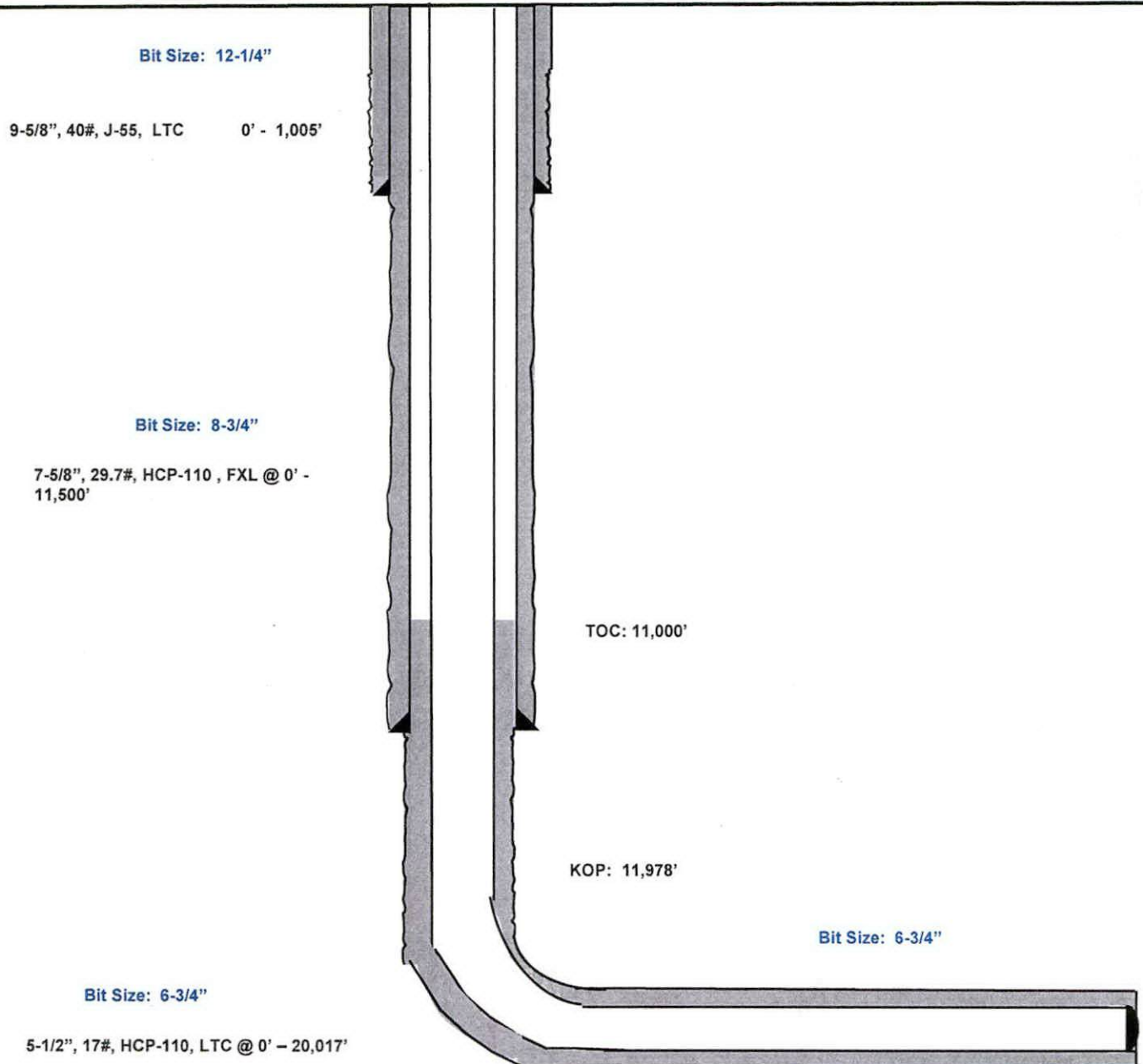
200' FSL  
1733' FWL  
Section 10  
T-25-S, R-34-E

Osprey 10 #707H  
Lea County, New Mexico

KB: 3,358'  
GL: 3,333'

Revised Wellbore 11/26/2019  
Design A

API: 30-025-46453



Lateral: 20,017' MD, 12,400' TVD  
BH Location: 2535' FSL & 2585' FWL  
Section 3  
T-25-S, R-34-E

**EOG RESOURCES, INC.**  
**OSPREY 10 #707H**

**Revised Permit Information 11/26/19:**

Well Name: Osprey 10 #707H

**Location:**

SHL: 200' FSL & 1733' FWL, Section 10, T-25-S, R-34-E, Lea Co., N.M.

BHL: 2535' FSL & 2585' FWL, Section 3, T-25-S, R-34-E, Lea Co., N.M.

**Design A**

**Casing Program:**

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF <sub>min</sub> Collapse	DF <sub>min</sub> Burst	DF <sub>min</sub> Tension
12.25"	0 – 1,005'	9.625"	40#	J-55	LTC	1.125	1.25	1.60
8.75"	0' – 11,500'	7.625"	29.7#	HCP-110	FXL	1.125	1.25	1.60
6.75"	0'-20,017'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60

**Cement Program:**

Depth	No. Sacks	Wt. ppg	Yld Ft <sup>3</sup> /sk	Slurry Description
1,005'	400	13.5	1.73	Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl <sub>2</sub> + 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
11,500'	600	14.2	1.11	1 <sup>st</sup> Stage (Tail): Class C + 5% Salt + (TOC @ 7,000')
	1,000	12.7	2.30	2 <sup>nd</sup> Stage (Bradenhead squeeze): Class C + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (TOC @ surface)
20,017'	800	14.2	1.31	Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 + 0.40% C-17 (TOC @ 11,000')

**Mud Program:**

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,005'	Fresh - Gel	8.6-8.8	28-34	N/c
1,005' – 11,500'	Brine	8.8-10.0	28-34	N/c
11,500' – 11,978'	Oil Base	10.0-11.5	58-68	3 - 6
11,978' – 20,017' Lateral	Oil Base	10.0-11.5	58-68	3 - 6

EOG Resources respectfully requests to maintain the option to implement the previously permitted 4 string design, to be referred to as "Design B" in future reporting.



## **EOG Resources - Midland**

Lea County, NM (NAD 83 NME)

Osprey 10

#707H

74870

OH

Plan: Plan #0.2

## **Standard Planning Report**

26 November, 2019



# Planning Report

Database: EDM  
Company: EOG Resources - Midland  
Project: Lea County, NM (NAD 83 NME)  
Site: Osprey 10  
Well: #707H  
Wellbore: OH  
Design: Plan #0.2

Local Co-ordinate Reference: Well #707H  
TVD Reference: KB = 25 @ 3358.0usft  
MD Reference: KB = 25 @ 3358.0usft  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature

Project	Lea County, NM (NAD 83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Osprey 10		
Site Position:	Northings:	415,148.00 usft	Latitude: 32° 8' 18.063 N
From: Map	Easting:	809,711.00 usft	Longitude: 103° 27' 58.640 W
Position Uncertainty:	0.0 usft	Slot Radius: 13-3/16 "	Grid Convergence: 0.46 °

Well	#707H		
Well Position	+N/-S	4.0 usft	Northings: 415,152.00 usft
	+E/-W	1,720.0 usft	Easting: 811,431.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	Ground Level: 3,333.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	11/25/2019	6.63
			Dip Angle (°)
			59.97
			Field Strength (nT)
			47,648.57655460

Design	Plan #0.2		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.0	0.0	0.0
			Direction (°)
			5.95

Plan Survey Tool Program	Date 11/26/2019		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name
1	0.0	20,016.7 Plan #0.2 (OH)	MWD
			OWSG MWD - Standard
			Remarks

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	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,374.1	7.48	99.58	1,373.0	-4.1	24.0	2.00	2.00	0.00	99.58	
7,643.4	7.48	99.58	7,589.0	-139.9	829.0	0.00	0.00	0.00	0.00	
8,017.5	0.00	0.00	7,962.0	-144.0	853.0	2.00	-2.00	0.00	180.00	
11,978.0	0.00	0.00	11,922.5	-144.0	853.0	0.00	0.00	0.00	0.00	KOP (Osprey 10 #707)
12,728.0	90.00	359.57	12,400.0	333.4	849.4	12.00	12.00	-0.06	359.57	
20,016.7	90.00	359.57	12,400.0	7,622.0	795.0	0.00	0.00	0.00	0.00	PBHL2 (Osprey 10 #7)





# Planning Report

Database: EDM  
 Company: EOG Resources - Midland  
 Project: Lea County, NM (NAD 83 NME)  
 Site: Osprey 10  
 Well: #707H  
 Wellbore: OH  
 Design: Plan #0.2

Local Co-ordinate Reference: Well #707H  
 TVD Reference: KB = 25 @ 3358.0usft  
 MD Reference: KB = 25 @ 3358.0usft  
 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	2.00	99.58	1,100.0	-0.3	1.7	-0.1	2.00	2.00	0.00
1,200.0	4.00	99.58	1,199.8	-1.2	6.9	-0.4	2.00	2.00	0.00
1,300.0	6.00	99.58	1,299.5	-2.6	15.5	-1.0	2.00	2.00	0.00
1,374.1	7.48	99.58	1,373.0	-4.1	24.0	-1.5	2.00	2.00	0.00
1,400.0	7.48	99.58	1,398.7	-4.6	27.4	-1.8	0.00	0.00	0.00
1,500.0	7.48	99.58	1,497.9	-6.8	40.2	-2.6	0.00	0.00	0.00
1,600.0	7.48	99.58	1,597.0	-9.0	53.1	-3.4	0.00	0.00	0.00
1,700.0	7.48	99.58	1,696.2	-11.1	65.9	-4.2	0.00	0.00	0.00
1,800.0	7.48	99.58	1,795.3	-13.3	78.7	-5.1	0.00	0.00	0.00
1,900.0	7.48	99.58	1,894.5	-15.5	91.6	-5.9	0.00	0.00	0.00
2,000.0	7.48	99.58	1,993.6	-17.6	104.4	-6.7	0.00	0.00	0.00
2,100.0	7.48	99.58	2,092.8	-19.8	117.2	-7.5	0.00	0.00	0.00
2,200.0	7.48	99.58	2,191.9	-22.0	130.1	-8.3	0.00	0.00	0.00
2,300.0	7.48	99.58	2,291.1	-24.1	142.9	-9.2	0.00	0.00	0.00
2,400.0	7.48	99.58	2,390.2	-26.3	155.8	-10.0	0.00	0.00	0.00
2,500.0	7.48	99.58	2,489.4	-28.5	168.6	-10.8	0.00	0.00	0.00
2,600.0	7.48	99.58	2,588.5	-30.6	181.4	-11.6	0.00	0.00	0.00
2,700.0	7.48	99.58	2,687.7	-32.8	194.3	-12.5	0.00	0.00	0.00
2,800.0	7.48	99.58	2,786.8	-35.0	207.1	-13.3	0.00	0.00	0.00
2,900.0	7.48	99.58	2,885.9	-37.1	220.0	-14.1	0.00	0.00	0.00
3,000.0	7.48	99.58	2,985.1	-39.3	232.8	-14.9	0.00	0.00	0.00
3,100.0	7.48	99.58	3,084.2	-41.5	245.6	-15.8	0.00	0.00	0.00
3,200.0	7.48	99.58	3,183.4	-43.6	258.5	-16.6	0.00	0.00	0.00
3,300.0	7.48	99.58	3,282.5	-45.8	271.3	-17.4	0.00	0.00	0.00
3,400.0	7.48	99.58	3,381.7	-48.0	284.2	-18.2	0.00	0.00	0.00
3,500.0	7.48	99.58	3,480.8	-50.1	297.0	-19.1	0.00	0.00	0.00
3,600.0	7.48	99.58	3,580.0	-52.3	309.8	-19.9	0.00	0.00	0.00
3,700.0	7.48	99.58	3,679.1	-54.5	322.7	-20.7	0.00	0.00	0.00
3,800.0	7.48	99.58	3,778.3	-56.6	335.5	-21.5	0.00	0.00	0.00
3,900.0	7.48	99.58	3,877.4	-58.8	348.3	-22.4	0.00	0.00	0.00
4,000.0	7.48	99.58	3,976.6	-61.0	361.2	-23.2	0.00	0.00	0.00
4,100.0	7.48	99.58	4,075.7	-63.1	374.0	-24.0	0.00	0.00	0.00
4,200.0	7.48	99.58	4,174.9	-65.3	386.9	-24.8	0.00	0.00	0.00
4,300.0	7.48	99.58	4,274.0	-67.5	399.7	-25.6	0.00	0.00	0.00
4,400.0	7.48	99.58	4,373.2	-69.6	412.5	-26.5	0.00	0.00	0.00
4,500.0	7.48	99.58	4,472.3	-71.8	425.4	-27.3	0.00	0.00	0.00
4,600.0	7.48	99.58	4,571.5	-74.0	438.2	-28.1	0.00	0.00	0.00
4,700.0	7.48	99.58	4,670.6	-76.1	451.1	-28.9	0.00	0.00	0.00
4,800.0	7.48	99.58	4,769.8	-78.3	463.9	-29.8	0.00	0.00	0.00
4,900.0	7.48	99.58	4,868.9	-80.5	476.7	-30.6	0.00	0.00	0.00
5,000.0	7.48	99.58	4,968.1	-82.6	489.6	-31.4	0.00	0.00	0.00
5,100.0	7.48	99.58	5,067.2	-84.8	502.4	-32.2	0.00	0.00	0.00
5,200.0	7.48	99.58	5,166.4	-87.0	515.2	-33.1	0.00	0.00	0.00



# Planning Report

Database: EDM  
 Company: EOG Resources - Midland  
 Project: Lea County, NM (NAD 83 NME)  
 Site: Osprey 10  
 Well: #707H  
 Wellbore: OH  
 Design: Plan #0.2

Local Co-ordinate Reference: Well #707H  
 TVD Reference: KB = 25 @ 3358.0usft  
 MD Reference: KB = 25 @ 3358.0usft  
 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	7.48	99.58	5,265.5	-89.1	528.1	-33.9	0.00	0.00	0.00
5,400.0	7.48	99.58	5,364.7	-91.3	540.9	-34.7	0.00	0.00	0.00
5,500.0	7.48	99.58	5,463.8	-93.5	553.8	-35.5	0.00	0.00	0.00
5,600.0	7.48	99.58	5,563.0	-95.7	566.6	-36.4	0.00	0.00	0.00
5,700.0	7.48	99.58	5,662.1	-97.8	579.4	-37.2	0.00	0.00	0.00
5,800.0	7.48	99.58	5,761.3	-100.0	592.3	-38.0	0.00	0.00	0.00
5,900.0	7.48	99.58	5,860.4	-102.2	605.1	-38.8	0.00	0.00	0.00
6,000.0	7.48	99.58	5,959.6	-104.3	618.0	-39.7	0.00	0.00	0.00
6,100.0	7.48	99.58	6,058.7	-106.5	630.8	-40.5	0.00	0.00	0.00
6,200.0	7.48	99.58	6,157.9	-108.7	643.6	-41.3	0.00	0.00	0.00
6,300.0	7.48	99.58	6,257.0	-110.8	656.5	-42.1	0.00	0.00	0.00
6,400.0	7.48	99.58	6,356.2	-113.0	669.3	-42.9	0.00	0.00	0.00
6,500.0	7.48	99.58	6,455.3	-115.2	682.2	-43.8	0.00	0.00	0.00
6,600.0	7.48	99.58	6,554.5	-117.3	695.0	-44.6	0.00	0.00	0.00
6,700.0	7.48	99.58	6,653.6	-119.5	707.8	-45.4	0.00	0.00	0.00
6,800.0	7.48	99.58	6,752.7	-121.7	720.7	-46.2	0.00	0.00	0.00
6,900.0	7.48	99.58	6,851.9	-123.8	733.5	-47.1	0.00	0.00	0.00
7,000.0	7.48	99.58	6,951.0	-126.0	746.3	-47.9	0.00	0.00	0.00
7,100.0	7.48	99.58	7,050.2	-128.2	759.2	-48.7	0.00	0.00	0.00
7,200.0	7.48	99.58	7,149.3	-130.3	772.0	-49.5	0.00	0.00	0.00
7,300.0	7.48	99.58	7,248.5	-132.5	784.9	-50.4	0.00	0.00	0.00
7,400.0	7.48	99.58	7,347.6	-134.7	797.7	-51.2	0.00	0.00	0.00
7,500.0	7.48	99.58	7,446.8	-136.8	810.5	-52.0	0.00	0.00	0.00
7,600.0	7.48	99.58	7,545.9	-139.0	823.4	-52.8	0.00	0.00	0.00
7,643.4	7.48	99.58	7,589.0	-139.9	829.0	-53.2	0.00	0.00	0.00
7,700.0	6.35	99.58	7,645.2	-141.1	835.7	-53.6	2.00	-2.00	0.00
7,800.0	4.35	99.58	7,744.7	-142.6	844.9	-54.2	2.00	-2.00	0.00
7,900.0	2.35	99.58	7,844.5	-143.6	850.6	-54.6	2.00	-2.00	0.00
8,000.0	0.35	99.58	7,944.5	-144.0	852.9	-54.7	2.00	-2.00	0.00
8,017.5	0.00	0.00	7,962.0	-144.0	853.0	-54.7	2.00	-2.00	0.00
8,100.0	0.00	0.00	8,044.5	-144.0	853.0	-54.7	0.00	0.00	0.00
8,200.0	0.00	0.00	8,144.5	-144.0	853.0	-54.7	0.00	0.00	0.00
8,300.0	0.00	0.00	8,244.5	-144.0	853.0	-54.7	0.00	0.00	0.00
8,400.0	0.00	0.00	8,344.5	-144.0	853.0	-54.7	0.00	0.00	0.00
8,500.0	0.00	0.00	8,444.5	-144.0	853.0	-54.7	0.00	0.00	0.00
8,600.0	0.00	0.00	8,544.5	-144.0	853.0	-54.7	0.00	0.00	0.00
8,700.0	0.00	0.00	8,644.5	-144.0	853.0	-54.7	0.00	0.00	0.00
8,800.0	0.00	0.00	8,744.5	-144.0	853.0	-54.7	0.00	0.00	0.00
8,900.0	0.00	0.00	8,844.5	-144.0	853.0	-54.7	0.00	0.00	0.00
9,000.0	0.00	0.00	8,944.5	-144.0	853.0	-54.7	0.00	0.00	0.00
9,100.0	0.00	0.00	9,044.5	-144.0	853.0	-54.7	0.00	0.00	0.00
9,200.0	0.00	0.00	9,144.5	-144.0	853.0	-54.7	0.00	0.00	0.00
9,300.0	0.00	0.00	9,244.5	-144.0	853.0	-54.7	0.00	0.00	0.00
9,400.0	0.00	0.00	9,344.5	-144.0	853.0	-54.7	0.00	0.00	0.00
9,500.0	0.00	0.00	9,444.5	-144.0	853.0	-54.7	0.00	0.00	0.00
9,600.0	0.00	0.00	9,544.5	-144.0	853.0	-54.7	0.00	0.00	0.00
9,700.0	0.00	0.00	9,644.5	-144.0	853.0	-54.7	0.00	0.00	0.00
9,800.0	0.00	0.00	9,744.5	-144.0	853.0	-54.7	0.00	0.00	0.00
9,900.0	0.00	0.00	9,844.5	-144.0	853.0	-54.7	0.00	0.00	0.00
10,000.0	0.00	0.00	9,944.5	-144.0	853.0	-54.7	0.00	0.00	0.00
10,100.0	0.00	0.00	10,044.5	-144.0	853.0	-54.7	0.00	0.00	0.00
10,200.0	0.00	0.00	10,144.5	-144.0	853.0	-54.7	0.00	0.00	0.00
10,300.0	0.00	0.00	10,244.5	-144.0	853.0	-54.7	0.00	0.00	0.00
10,400.0	0.00	0.00	10,344.5	-144.0	853.0	-54.7	0.00	0.00	0.00



Database: EDM  
 Company: EOG Resources - Midland  
 Project: Lea County, NM (NAD 83 NME)  
 Site: Osprey 10  
 Well: #707H  
 Wellbore: OH  
 Design: Plan #0.2

Local Co-ordinate Reference: Well #707H  
 TVD Reference: KB = 25 @ 3358.0usft  
 MD Reference: KB = 25 @ 3358.0usft  
 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	0.00	0.00	10,444.5	-144.0	853.0	-54.7	0.00	0.00	0.00
10,600.0	0.00	0.00	10,544.5	-144.0	853.0	-54.7	0.00	0.00	0.00
10,700.0	0.00	0.00	10,644.5	-144.0	853.0	-54.7	0.00	0.00	0.00
10,800.0	0.00	0.00	10,744.5	-144.0	853.0	-54.7	0.00	0.00	0.00
10,900.0	0.00	0.00	10,844.5	-144.0	853.0	-54.7	0.00	0.00	0.00
11,000.0	0.00	0.00	10,944.5	-144.0	853.0	-54.7	0.00	0.00	0.00
11,100.0	0.00	0.00	11,044.5	-144.0	853.0	-54.7	0.00	0.00	0.00
11,200.0	0.00	0.00	11,144.5	-144.0	853.0	-54.7	0.00	0.00	0.00
11,300.0	0.00	0.00	11,244.5	-144.0	853.0	-54.7	0.00	0.00	0.00
11,400.0	0.00	0.00	11,344.5	-144.0	853.0	-54.7	0.00	0.00	0.00
11,500.0	0.00	0.00	11,444.5	-144.0	853.0	-54.7	0.00	0.00	0.00
11,600.0	0.00	0.00	11,544.5	-144.0	853.0	-54.7	0.00	0.00	0.00
11,700.0	0.00	0.00	11,644.5	-144.0	853.0	-54.7	0.00	0.00	0.00
11,800.0	0.00	0.00	11,744.5	-144.0	853.0	-54.7	0.00	0.00	0.00
11,900.0	0.00	0.00	11,844.5	-144.0	853.0	-54.7	0.00	0.00	0.00
11,978.0	0.00	0.00	11,922.5	-144.0	853.0	-54.7	0.00	0.00	0.00
12,000.0	2.64	359.57	11,944.5	-143.5	853.0	-54.2	12.00	12.00	0.00
12,025.0	5.64	359.57	11,969.4	-141.7	853.0	-52.4	12.00	12.00	0.00
12,050.0	8.64	359.57	11,994.2	-138.6	853.0	-49.3	12.00	12.00	0.00
12,075.0	11.64	359.57	12,018.8	-134.2	852.9	-45.0	12.00	12.00	0.00
12,100.0	14.64	359.57	12,043.2	-128.5	852.9	-39.3	12.00	12.00	0.00
12,125.0	17.64	359.57	12,067.2	-121.5	852.8	-32.4	12.00	12.00	0.00
12,150.0	20.64	359.57	12,090.8	-113.4	852.8	-24.3	12.00	12.00	0.00
12,175.0	23.64	359.57	12,114.0	-103.9	852.7	-14.9	12.00	12.00	0.00
12,200.0	26.64	359.57	12,136.6	-93.3	852.6	-4.4	12.00	12.00	0.00
12,225.0	29.64	359.57	12,158.6	-81.5	852.5	7.4	12.00	12.00	0.00
12,250.0	32.64	359.57	12,180.0	-68.6	852.4	20.2	12.00	12.00	0.00
12,275.0	35.64	359.57	12,200.7	-54.6	852.3	34.1	12.00	12.00	0.00
12,300.0	38.64	359.57	12,220.6	-39.5	852.2	49.1	12.00	12.00	0.00
12,325.0	41.64	359.57	12,239.8	-23.4	852.1	65.2	12.00	12.00	0.00
12,350.0	44.64	359.57	12,258.0	-6.3	852.0	82.1	12.00	12.00	0.00
12,375.0	47.64	359.57	12,275.3	11.8	851.8	100.1	12.00	12.00	0.00
12,400.0	50.64	359.57	12,291.7	30.7	851.7	118.9	12.00	12.00	0.00
12,425.0	53.64	359.57	12,307.0	50.4	851.5	138.5	12.00	12.00	0.00
12,450.0	56.64	359.57	12,321.3	70.9	851.4	158.8	12.00	12.00	0.00
12,475.0	59.64	359.57	12,334.5	92.1	851.2	179.9	12.00	12.00	0.00
12,500.0	62.64	359.57	12,346.6	114.0	851.1	201.7	12.00	12.00	0.00
12,525.0	65.64	359.57	12,357.5	136.5	850.9	224.1	12.00	12.00	0.00
12,550.0	68.64	359.57	12,367.2	159.6	850.7	247.0	12.00	12.00	0.00
12,575.0	71.64	359.57	12,375.7	183.1	850.6	270.3	12.00	12.00	0.00
12,600.0	74.64	359.57	12,382.9	207.0	850.4	294.1	12.00	12.00	0.00
12,625.0	77.64	359.57	12,388.9	231.3	850.2	318.2	12.00	12.00	0.00
12,650.0	80.64	359.57	12,393.6	255.8	850.0	342.6	12.00	12.00	0.00
12,675.0	83.64	359.57	12,397.0	280.6	849.8	367.2	12.00	12.00	0.00
12,700.0	86.64	359.57	12,399.1	305.5	849.6	392.0	12.00	12.00	0.00
12,725.0	89.64	359.57	12,400.0	330.5	849.5	416.8	12.00	12.00	0.00
12,728.0	90.00	359.57	12,400.0	333.4	849.4	419.8	12.00	12.00	0.00
12,800.0	90.00	359.57	12,400.0	405.5	848.9	491.3	0.00	0.00	0.00
12,900.0	90.00	359.57	12,400.0	505.5	848.1	590.7	0.00	0.00	0.00
13,000.0	90.00	359.57	12,400.0	605.5	847.4	690.1	0.00	0.00	0.00
13,100.0	90.00	359.57	12,400.0	705.4	846.7	789.5	0.00	0.00	0.00
13,200.0	90.00	359.57	12,400.0	805.4	845.9	888.9	0.00	0.00	0.00
13,300.0	90.00	359.57	12,400.0	905.4	845.2	988.2	0.00	0.00	0.00
13,400.0	90.00	359.57	12,400.0	1,005.4	844.4	1,087.6	0.00	0.00	0.00





# Planning Report

Database: EDM  
 Company: EOG Resources - Midland  
 Project: Lea County, NM (NAD 83 NME)  
 Site: Osprey 10  
 Well: #707H  
 Wellbore: OH  
 Design: Plan #0.2

Local Co-ordinate Reference: Well #707H  
 TVD Reference: KB = 25 @ 3358.0usft  
 MD Reference: KB = 25 @ 3358.0usft  
 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)
13,500.0	90.00	359.57	12,400.0	1,105.4	843.7	1,187.0	0.00	0.00	0.00
13,600.0	90.00	359.57	12,400.0	1,205.4	842.9	1,286.4	0.00	0.00	0.00
13,700.0	90.00	359.57	12,400.0	1,305.4	842.2	1,385.8	0.00	0.00	0.00
13,800.0	90.00	359.57	12,400.0	1,405.4	841.4	1,485.1	0.00	0.00	0.00
13,900.0	90.00	359.57	12,400.0	1,505.4	840.7	1,584.5	0.00	0.00	0.00
14,000.0	90.00	359.57	12,400.0	1,605.4	839.9	1,683.9	0.00	0.00	0.00
14,100.0	90.00	359.57	12,400.0	1,705.4	839.2	1,783.3	0.00	0.00	0.00
14,200.0	90.00	359.57	12,400.0	1,805.4	838.4	1,882.7	0.00	0.00	0.00
14,300.0	90.00	359.57	12,400.0	1,905.4	837.7	1,982.0	0.00	0.00	0.00
14,400.0	90.00	359.57	12,400.0	2,005.4	836.9	2,081.4	0.00	0.00	0.00
14,500.0	90.00	359.57	12,400.0	2,105.4	836.2	2,180.8	0.00	0.00	0.00
14,600.0	90.00	359.57	12,400.0	2,205.4	835.5	2,280.2	0.00	0.00	0.00
14,700.0	90.00	359.57	12,400.0	2,305.4	834.7	2,379.6	0.00	0.00	0.00
14,800.0	90.00	359.57	12,400.0	2,405.4	834.0	2,478.9	0.00	0.00	0.00
14,900.0	90.00	359.57	12,400.0	2,505.4	833.2	2,578.3	0.00	0.00	0.00
15,000.0	90.00	359.57	12,400.0	2,605.4	832.5	2,677.7	0.00	0.00	0.00
15,100.0	90.00	359.57	12,400.0	2,705.4	831.7	2,777.1	0.00	0.00	0.00
15,200.0	90.00	359.57	12,400.0	2,805.4	831.0	2,876.5	0.00	0.00	0.00
15,300.0	90.00	359.57	12,400.0	2,905.4	830.2	2,975.8	0.00	0.00	0.00
15,400.0	90.00	359.57	12,400.0	3,005.4	829.5	3,075.2	0.00	0.00	0.00
15,500.0	90.00	359.57	12,400.0	3,105.4	828.7	3,174.6	0.00	0.00	0.00
15,600.0	90.00	359.57	12,400.0	3,205.4	828.0	3,274.0	0.00	0.00	0.00
15,700.0	90.00	359.57	12,400.0	3,305.4	827.2	3,373.4	0.00	0.00	0.00
15,800.0	90.00	359.57	12,400.0	3,405.4	826.5	3,472.7	0.00	0.00	0.00
15,900.0	90.00	359.57	12,400.0	3,505.4	825.7	3,572.1	0.00	0.00	0.00
16,000.0	90.00	359.57	12,400.0	3,605.4	825.0	3,671.5	0.00	0.00	0.00
16,100.0	90.00	359.57	12,400.0	3,705.4	824.3	3,770.9	0.00	0.00	0.00
16,200.0	90.00	359.57	12,400.0	3,805.4	823.5	3,870.3	0.00	0.00	0.00
16,300.0	90.00	359.57	12,400.0	3,905.4	822.8	3,969.6	0.00	0.00	0.00
16,400.0	90.00	359.57	12,400.0	4,005.4	822.0	4,069.0	0.00	0.00	0.00
16,500.0	90.00	359.57	12,400.0	4,105.4	821.3	4,168.4	0.00	0.00	0.00
16,600.0	90.00	359.57	12,400.0	4,205.3	820.5	4,267.8	0.00	0.00	0.00
16,700.0	90.00	359.57	12,400.0	4,305.3	819.8	4,367.2	0.00	0.00	0.00
16,800.0	90.00	359.57	12,400.0	4,405.3	819.0	4,466.5	0.00	0.00	0.00
16,900.0	90.00	359.57	12,400.0	4,505.3	818.3	4,565.9	0.00	0.00	0.00
17,000.0	90.00	359.57	12,400.0	4,605.3	817.5	4,665.3	0.00	0.00	0.00
17,100.0	90.00	359.57	12,400.0	4,705.3	816.8	4,764.7	0.00	0.00	0.00
17,200.0	90.00	359.57	12,400.0	4,805.3	816.0	4,864.1	0.00	0.00	0.00
17,300.0	90.00	359.57	12,400.0	4,905.3	815.3	4,963.4	0.00	0.00	0.00
17,400.0	90.00	359.57	12,400.0	5,005.3	814.5	5,062.8	0.00	0.00	0.00
17,500.0	90.00	359.57	12,400.0	5,105.3	813.8	5,162.2	0.00	0.00	0.00
17,600.0	90.00	359.57	12,400.0	5,205.3	813.0	5,261.6	0.00	0.00	0.00
17,700.0	90.00	359.57	12,400.0	5,305.3	812.3	5,361.0	0.00	0.00	0.00
17,800.0	90.00	359.57	12,400.0	5,405.3	811.6	5,460.3	0.00	0.00	0.00
17,900.0	90.00	359.57	12,400.0	5,505.3	810.8	5,559.7	0.00	0.00	0.00
18,000.0	90.00	359.57	12,400.0	5,605.3	810.1	5,659.1	0.00	0.00	0.00
18,100.0	90.00	359.57	12,400.0	5,705.3	809.3	5,758.5	0.00	0.00	0.00
18,200.0	90.00	359.57	12,400.0	5,805.3	808.6	5,857.9	0.00	0.00	0.00
18,300.0	90.00	359.57	12,400.0	5,905.3	807.8	5,957.2	0.00	0.00	0.00
18,400.0	90.00	359.57	12,400.0	6,005.3	807.1	6,056.6	0.00	0.00	0.00
18,500.0	90.00	359.57	12,400.0	6,105.3	806.3	6,156.0	0.00	0.00	0.00
18,600.0	90.00	359.57	12,400.0	6,205.3	805.6	6,255.4	0.00	0.00	0.00
18,700.0	90.00	359.57	12,400.0	6,305.3	804.8	6,354.8	0.00	0.00	0.00
18,800.0	90.00	359.57	12,400.0	6,405.3	804.1	6,454.1	0.00	0.00	0.00

Database: EDM  
Company: EOG Resources - Midland  
Project: Lea County, NM (NAD 83 NME)  
Site: Osprey 10  
Well: #707H  
Wellbore: OH  
Design: Plan #0.2

Local Co-ordinate Reference: Well #707H  
TVD Reference: KB = 25 @ 3358.0usft  
MD Reference: KB = 25 @ 3358.0usft  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature

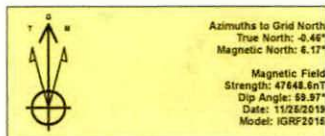
#### Planned Survey

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)
18,900.0	90.00	359.57	12,400.0	6,505.3	803.3	6,553.5	0.00	0.00	0.00
19,000.0	90.00	359.57	12,400.0	6,605.3	802.6	6,652.9	0.00	0.00	0.00
19,100.0	90.00	359.57	12,400.0	6,705.3	801.8	6,752.3	0.00	0.00	0.00
19,200.0	90.00	359.57	12,400.0	6,805.3	801.1	6,851.7	0.00	0.00	0.00
19,300.0	90.00	359.57	12,400.0	6,905.3	800.4	6,951.0	0.00	0.00	0.00
19,400.0	90.00	359.57	12,400.0	7,005.3	799.6	7,050.4	0.00	0.00	0.00
19,500.0	90.00	359.57	12,400.0	7,105.3	798.9	7,149.8	0.00	0.00	0.00
19,600.0	90.00	359.57	12,400.0	7,205.3	798.1	7,249.2	0.00	0.00	0.00
19,700.0	90.00	359.57	12,400.0	7,305.3	797.4	7,348.6	0.00	0.00	0.00
19,800.0	90.00	359.57	12,400.0	7,405.3	796.6	7,447.9	0.00	0.00	0.00
19,900.0	90.00	359.57	12,400.0	7,505.3	795.9	7,547.3	0.00	0.00	0.00
20,000.0	90.00	359.57	12,400.0	7,605.3	795.1	7,646.7	0.00	0.00	0.00
20,016.7	90.00	359.57	12,400.0	7,622.0	795.0	7,663.3	0.00	0.00	0.00

#### 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
Brushy Top (Osprey 10 # - plan misses target center by 37.5usft at 8084.5usft MD (8029.0 TVD, -144.0 N, 853.0 E) - Polygon	0.00	0.00	8,029.0	-144.0	815.5	415,008.00	812,246.50	32° 8' 16.475 N	103° 27' 29.167 W
Point 1			8,029.0	50.0	-50.0	415,058.00	812,196.50		
Point 2			8,029.0	50.0	30.0	415,058.00	812,276.50		
Point 3			8,029.0	-30.0	30.0	414,978.00	812,276.50		
Point 4			8,029.0	-30.0	-50.0	414,978.00	812,196.50		
KOP (Osprey 10 #707H) - plan hits target center - Point	0.00	0.00	11,922.5	-144.0	853.0	415,008.00	812,284.00	32° 8' 16.472 N	103° 27' 28.731 W
FTP2 (Osprey 10 #707H) - plan misses target center by 0.4usft at 12198.4usft MD (12135.2 TVD, -94.0 N, 852.6 E) - Point	0.00	0.00	12,135.2	-94.0	853.0	415,058.00	812,284.00	32° 8' 16.967 N	103° 27' 28.726 W
PBHL2 (Osprey 10 #707 - plan hits target center - Rectangle (sides W50.0 H0.0 D7,705.7)	90.00	359.61	12,400.0	7,622.0	795.0	422,774.00	812,226.00	32° 9' 33.321 N	103° 27' 28.671 W





To convert a Magnetic Direction to a Grid Direction, Add 6.17°  
To convert a Magnetic Direction to a True Direction, Add 6.63° East  
To convert a True Direction to a Grid Direction, Subtract 0.46°

Lea County, NM (NAD 83 NME)

Osprey 10 #707H

Plan #0.2

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: New Mexico Eastern Zone  
System Datum: Mean Sea Level

WELL DETAILS: #707H

		KB = 25 @ 3358.0usft		3333.0	
Northing	Eastng	Latitude	Longitude		
415152.00	811431.00	32° 8' 17.965 N	103° 27' 38.637 W		

SECTION DETAILS

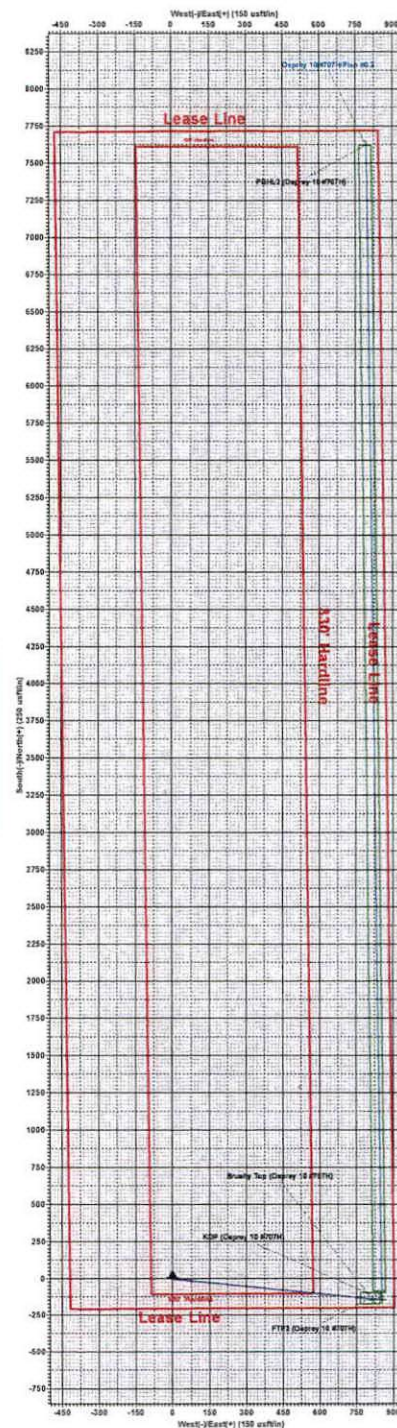
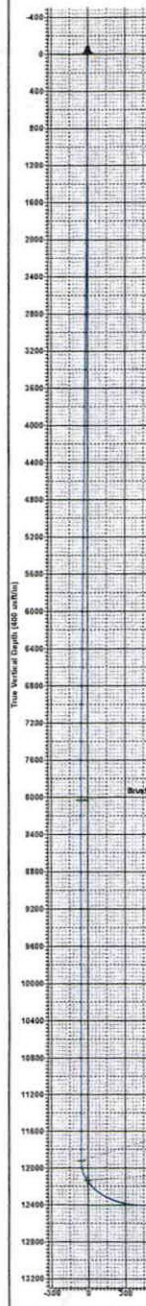
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0	
3	1374.1	7.48	99.58	1373.0	-4.1	24.0	2.00	99.58	-1.5	
4	7643.4	7.48	99.58	7589.0	-139.9	829.0	0.00	0.00	-53.2	
5	8017.5	0.00	0.00	7962.0	-144.0	853.0	2.00	180.00	-54.7	
6	11978.0	0.00	0.00	11922.5	-144.0	853.0	0.00	0.00	-54.7	KOP (Osprey 10 #707H)
7	12728.0	90.00	359.57	12400.0	333.4	849.4	12.00	359.57	419.8	
8	20016.7	90.00	359.57	12400.0	7622.0	795.0	0.00	0.00	7663.3	PBHL2 (Osprey 10 #707H)

CASING DETAILS

No casing data is available

WELLSBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Eastng
KOP (Osprey 10 #707H)	11922.5	-144.0	853.0	415008.00	812284.00
PBHL2 (Osprey 10 #707H)	12400.0	7622.0	795.0	422774.00	812226.00
Brushy Top (Osprey 10 #707H)	8029.0	-144.0	816.5	415008.00	812248.50
FTP2 (Osprey 10 #707H)	12135.2	-84.0	952.0	415068.00	812384.00



Lea County, NM (NAD 83 NME)  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: New Mexico Eastern Zone  
System Datum: Mean Sea Level