

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OCD-ARTESIA

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-36657	Pool Code 96473	Pool Name Bone Spring, Pierce Crossing E
Property Code 37408	Property Name PLU PIERCE CANYON "32" STATE	Well Number 1H
OGRID No. 147179	Operator Name CHESAPEAKE OPERATING CO.	Elevation 3259'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	32	24 S	30 E		350	SOUTH	350	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	32	24 S	30 E		350	NORTH	350	EAST	EDDY

Dedicated Acres 160	Joint or Infill ☒	Consolidation Code	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

BOTTOM HOLE LOCATION Lat - N32°10'49.58" Long - W103°53'45.35" SPC - N.: 429652.720 E.: 676663.621 (NAD-83) SURFACE LOCATION Lat - N32°10'04.05" Long - W103°53'45.33" SPC - N.: 425051.771 E.: 676684.365 (NAD-83)	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Craig Barnard</i> 9/27/08 Signature Date CRAIG BARNARD Printed Name
	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief. SEPTEMBER 12, 2008 Date Surveyed <i>GARY L. JONES</i> Signature Professional Surveyor Certificate No. Gary L. Jones 7977
	BASIN SURVEYS

30-015-36657
Permian District

NM - Eddy - Morrow Project

PLU Pierce Canyon 32 State 1H

Well #1

Wellbore #1

property code = 37408

Plan: Plan #1

Standard Planning Report

02 October, 2008

Planning Report

Database:	Drilling Database	Local Co-ordinate Reference:	Well Well #1
Company:	Permian District	TVD Reference:	RKB @ 3271.0ft
Project:	NM - Eddy - Morrow Project	MD Reference:	RKB @ 3271.0ft
Site:	PLU Pierce Canyon 32 State 1H	North Reference:	True
Well:	Well #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Project	NM - Eddy - Morrow Project		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Ground Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	PLU Pierce Canyon 32 State 1H		
Site Position:		Northing:	ft
From:	None	Easting:	ft
Position Uncertainty:	ft	Slot Radius:	in
		Latitude:	
		Longitude:	
		Grid Convergence:	0.00

Well	Well #1					
Well Position	+N/-S	0.0 ft	Northing:	0.00 ft	Latitude:	30° 59' 24.51165130 N
	+E/-W	0.0 ft	Easting:	0.00 ft	Longitude:	105° 55' 44.13731823 W
Position Uncertainty		ft	Wellhead Elevation:	ft	Ground Level:	3,259.0 ft

Wellbore		Wellbore #1			
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	User Defined	10/2/2008	0.00	0.00	0

Design	Plan #1				
Audit Notes:					
Version:	Phase:	PROTOTYPE		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(ft)	(ft)	(ft)	(°)	
	0.0	0.0	0.0	0.00	

Plan Sections										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Dogleg Rate	Build Rate	Turn Rate	TFO	Target
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)	(°)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
7,370.0	0.00	0.00	7,370.0	0.0	0.0	0.00	0.00	0.00	0.00	
8,124.0	90.00	0.00	7,850.0	480.0	0.0	11.94	11.94	0.00	0.00	
12,246.0	90.00	0.00	7,850.0	4,602.0	0.0	0.00	0.00	0.00	0.00	

Planning Report

Database:	Drilling Database	Local Co-ordinate Reference:	Well Well #1
Company:	Permian District	TVD Reference:	RKB @ 3271.0ft
Project:	NM - Eddy - Morrow Project	MD Reference:	RKB @ 3271.0ft
Site:	PLU Pierce Canyon 32 State 1H	North Reference:	True
Well:	Well #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
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
13 3/8									
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
9 5/8									
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	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00

Planning Report

Database: Drilling Database
 Company: Permian District
 Project: NM - Eddy - Morrow Project
 Site: PLU Pierce Canyon 32 State 1H
 Well: Well #1
 Wellbore: Wellbore #1
 Design: Plan #1

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:

Well Well #1
 RKB @ 3271.0ft
 RKB @ 3271.0ft
 True
 Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00
7,370.0	0.00	0.00	7,370.0	0.0	0.0	0.0	0.00	0.00	0.00
7,400.0	3.58	0.00	7,400.0	0.9	0.0	0.9	11.94	11.94	0.00
7,500.0	15.52	0.00	7,498.4	17.5	0.0	17.5	11.94	11.94	0.00
7,600.0	27.45	0.00	7,591.3	54.1	0.0	54.1	11.94	11.94	0.00
7,700.0	39.39	0.00	7,674.6	109.0	0.0	109.0	11.94	11.94	0.00
7,800.0	51.33	0.00	7,744.8	180.1	0.0	180.1	11.94	11.94	0.00
7,900.0	63.26	0.00	7,798.7	264.1	0.0	264.1	11.94	11.94	0.00
8,000.0	75.20	0.00	7,834.1	357.4	0.0	357.4	11.94	11.94	0.00
8,100.0	87.14	0.00	7,849.4	456.0	0.0	456.0	11.94	11.94	0.00
8,124.0	90.00	0.00	7,850.0	480.0	0.0	480.0	11.94	11.94	0.00
8,200.0	90.00	0.00	7,850.0	556.0	0.0	556.0	0.00	0.00	0.00
8,300.0	90.00	0.00	7,850.0	656.0	0.0	656.0	0.00	0.00	0.00
8,400.0	90.00	0.00	7,850.0	756.0	0.0	756.0	0.00	0.00	0.00
8,500.0	90.00	0.00	7,850.0	856.0	0.0	856.0	0.00	0.00	0.00
8,600.0	90.00	0.00	7,850.0	956.0	0.0	956.0	0.00	0.00	0.00
8,700.0	90.00	0.00	7,850.0	1,056.0	0.0	1,056.0	0.00	0.00	0.00
8,800.0	90.00	0.00	7,850.0	1,156.0	0.0	1,156.0	0.00	0.00	0.00
8,900.0	90.00	0.00	7,850.0	1,256.0	0.0	1,256.0	0.00	0.00	0.00
9,000.0	90.00	0.00	7,850.0	1,356.0	0.0	1,356.0	0.00	0.00	0.00
9,100.0	90.00	0.00	7,850.0	1,456.0	0.0	1,456.0	0.00	0.00	0.00
9,200.0	90.00	0.00	7,850.0	1,556.0	0.0	1,556.0	0.00	0.00	0.00
9,300.0	90.00	0.00	7,850.0	1,656.0	0.0	1,656.0	0.00	0.00	0.00
9,400.0	90.00	0.00	7,850.0	1,756.0	0.0	1,756.0	0.00	0.00	0.00
9,500.0	90.00	0.00	7,850.0	1,856.0	0.0	1,856.0	0.00	0.00	0.00
9,600.0	90.00	0.00	7,850.0	1,956.0	0.0	1,956.0	0.00	0.00	0.00
9,700.0	90.00	0.00	7,850.0	2,056.0	0.0	2,056.0	0.00	0.00	0.00
9,800.0	90.00	0.00	7,850.0	2,156.0	0.0	2,156.0	0.00	0.00	0.00
9,900.0	90.00	0.00	7,850.0	2,256.0	0.0	2,256.0	0.00	0.00	0.00
10,000.0	90.00	0.00	7,850.0	2,356.0	0.0	2,356.0	0.00	0.00	0.00
10,100.0	90.00	0.00	7,850.0	2,456.0	0.0	2,456.0	0.00	0.00	0.00
10,200.0	90.00	0.00	7,850.0	2,556.0	0.0	2,556.0	0.00	0.00	0.00

Planning Report

Database:	Drilling Database	Local Co-ordinate Reference:	Well Well #1
Company:	Permian District	TVD Reference:	RKB @ 3271.0ft
Project:	NM - Eddy - Morrow Project	MD Reference:	RKB @ 3271.0ft
Site:	PLU Pierce Canyon 32 State 1H	North Reference:	True
Well:	Well #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate ("/100ft)	Turn Rate (°/100ft)
10,300.0	90.00	0.00	7,850.0	2,656.0	0.0	2,656.0	0.00	0.00	0.00
10,400.0	90.00	0.00	7,850.0	2,756.0	0.0	2,756.0	0.00	0.00	0.00
10,500.0	90.00	0.00	7,850.0	2,856.0	0.0	2,856.0	0.00	0.00	0.00
10,600.0	90.00	0.00	7,850.0	2,956.0	0.0	2,956.0	0.00	0.00	0.00
10,700.0	90.00	0.00	7,850.0	3,056.0	0.0	3,056.0	0.00	0.00	0.00
10,800.0	90.00	0.00	7,850.0	3,156.0	0.0	3,156.0	0.00	0.00	0.00
10,900.0	90.00	0.00	7,850.0	3,256.0	0.0	3,256.0	0.00	0.00	0.00
11,000.0	90.00	0.00	7,850.0	3,356.0	0.0	3,356.0	0.00	0.00	0.00
11,100.0	90.00	0.00	7,850.0	3,456.0	0.0	3,456.0	0.00	0.00	0.00
11,200.0	90.00	0.00	7,850.0	3,556.0	0.0	3,556.0	0.00	0.00	0.00
11,300.0	90.00	0.00	7,850.0	3,656.0	0.0	3,656.0	0.00	0.00	0.00
11,400.0	90.00	0.00	7,850.0	3,756.0	0.0	3,756.0	0.00	0.00	0.00
11,500.0	90.00	0.00	7,850.0	3,856.0	0.0	3,856.0	0.00	0.00	0.00
11,600.0	90.00	0.00	7,850.0	3,956.0	0.0	3,956.0	0.00	0.00	0.00
11,700.0	90.00	0.00	7,850.0	4,056.0	0.0	4,056.0	0.00	0.00	0.00
11,800.0	90.00	0.00	7,850.0	4,156.0	0.0	4,156.0	0.00	0.00	0.00
11,900.0	90.00	0.00	7,850.0	4,256.0	0.0	4,256.0	0.00	0.00	0.00
12,000.0	90.00	0.00	7,850.0	4,356.0	0.0	4,356.0	0.00	0.00	0.00
12,100.0	90.00	0.00	7,850.0	4,456.0	0.0	4,456.0	0.00	0.00	0.00
12,200.0	90.00	0.00	7,850.0	4,556.0	0.0	4,556.0	0.00	0.00	0.00
12,246.0	90.00	0.00	7,850.0	4,602.0	0.0	4,602.0	0.00	0.00	0.00

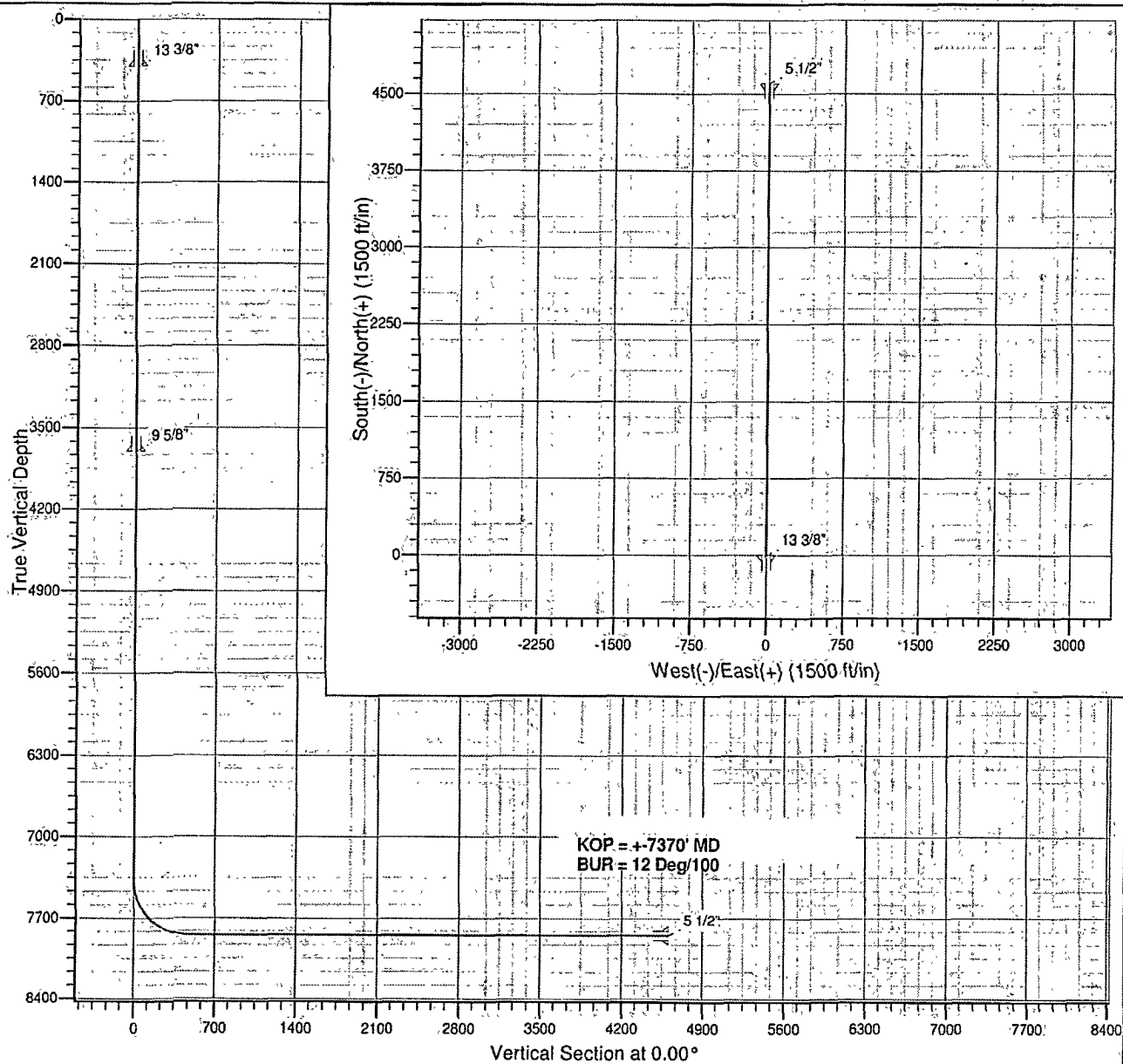
Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
400.0	400.0	13 3/8"	13.375	17.500
3,700.0	3,700.0	9 5/8"	9.625	12.250
12,246.0	7,850.0	5 1/2"	5.500	8.750

Chesapeake Operating Inc. PLU Pierce Canyon 32 State 1H

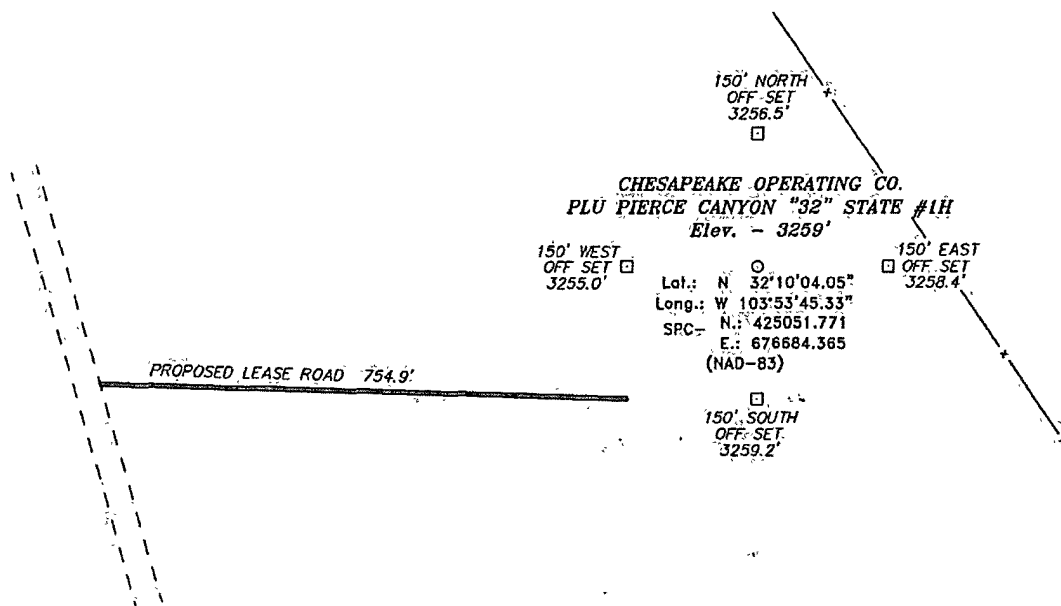
County: Eddy, NM

Section 32-24S-30E

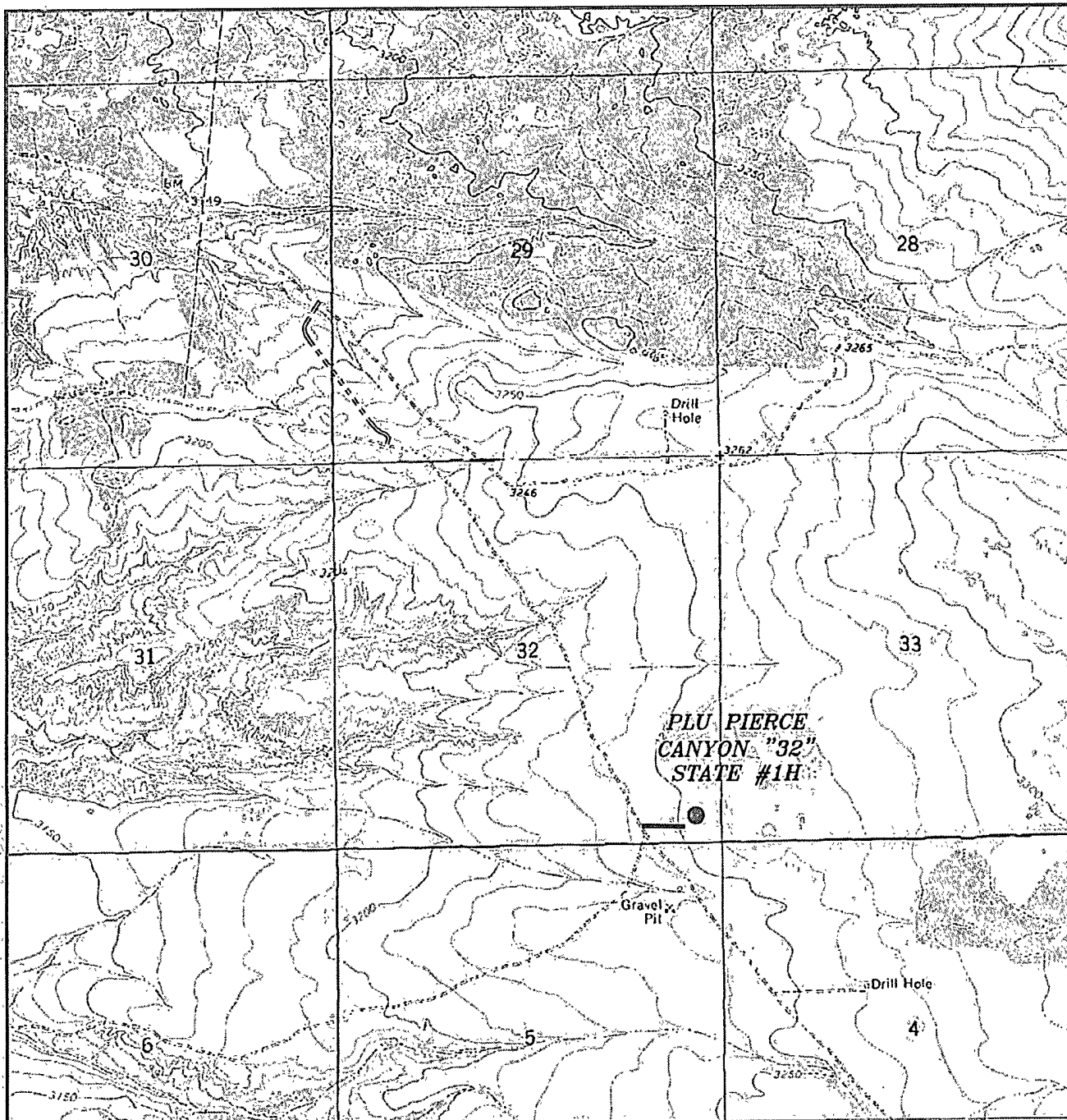


SECTION DETAILS

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	7370.0	0.00	0.00	7370.0	0.0	0.0	0.00	0.00	0.0	
3	8124.0	90.00	0.00	7850.0	480.0	0.0	11.94	0.00	480.0	
4	12246.0	90.00	0.00	7850.0	4602.0	0.0	0.00	0.00	4602.0	



Sheet 1 of 1 Sheets



PLU PIERCE CANYON "32" STATE #1H

Located at 350' FSL AND 350' FEL
 Section 32, Township 24 South, Range 30 East,
 N.M.P.M., Eddy County, New Mexico.



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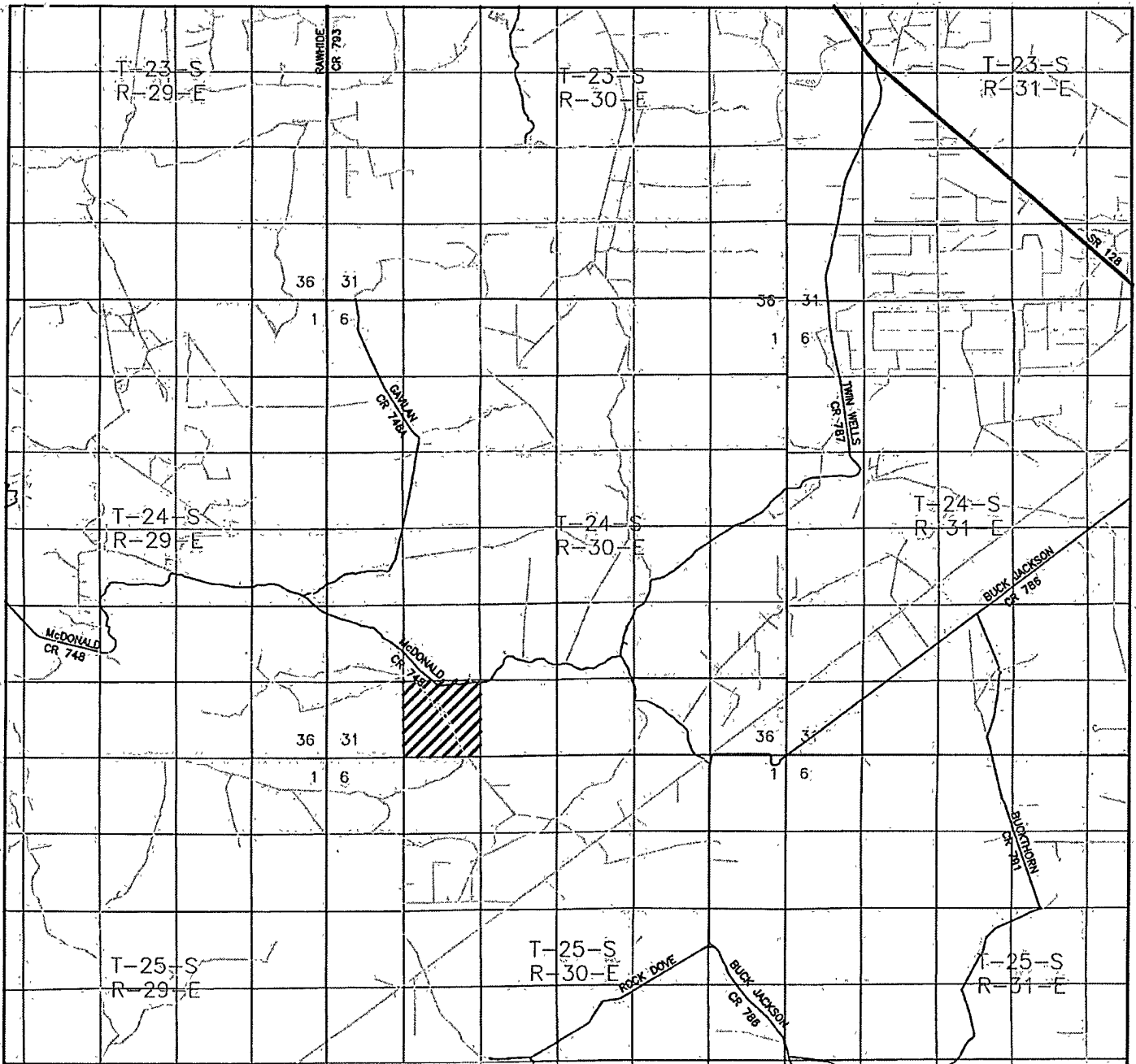
W.O. Number: 20398

Survey Date: 09-19-2008

Scale: 1" = 2000'

Date: 09-23-2008

CHESAPEAKE
 OPERATING
 CO.



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W.O. Number: JMS 20398

Survey Date: 09-19-2008

Scale: 1" = 2 MILES

Date: 09-23-2008

CHESAPEAKE
 OPERATING
 CO.