

APR 27 2012

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District I

1625 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-0720

District II

511 S. First St., Artesia, NM 88210
Phone: (505) 748-1283 Fax: (505) 748-9720

District III

1000 Rio Drazos Road, Ateco, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico

RECEIVED

Energy, Minerals & Natural Resources Department

HOBBS OCD

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-40551	² Pool Code 96603	³ Pool Name TRISTE DRAW; BONE SPRING
⁴ Property Code 39190	⁵ Property Name MCCLOY RANCH 2 24 32 STATE COM	
⁶ OGRID No. 147179	⁷ Operator Name CHESAPEAKE OPERATING, INC.	⁸ Well Number 1H
		⁹ Elevation 3616'

" Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	2	24 SOUTH	32 EAST, N.M.P.M.		100'	SOUTH	1980'	WEST	LEA

" 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
C	2	24 SOUTH	32 EAST, N.M.P.M.		165'	NORTH	1980'	WEST	LEA

¹² Dedicated Acres	¹¹ Joint or Infill	¹³ Consolidation Code	¹⁴ Order No.
159.86			i

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.

Project Area Producing Area 159.86 ACRES N 00°23'46"W 4,997.47' 100' 165' 1980'	PROPOSED BOTTOM HOLE LOCATION X= 712,151 NAD 27 Y= 456,550 LAT. 32.253308 LONG. 103.647078 X= 753,334 NAD83 Y= 456,609 LAT. 32.253431 LONG. 103.647560	" 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 a leased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this 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>Bryan Arrant</i> 4/27/2012 Signature Date Bryan Arrant Printed Name bryan.arrant@chk.com E-mail Address
	MCCLOY RANCH 2 24 32 STATE COM 1H X= 712,185 NAD 27 Y= 451,552 LAT. 32.239571 LONG. 103.647070 X= 753,369 NAD83 Y= 451,611 LAT. 32.239694 LONG. 103.647591 ELEVATION +3616' NAVD 88	"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. April 27, 2012 Date of Survey Signature and Seal of Professional Surveyor: 15078 Certificate Number

PROJECTED FIRST PERFORATIONS
330' FSL & 1980' FWL

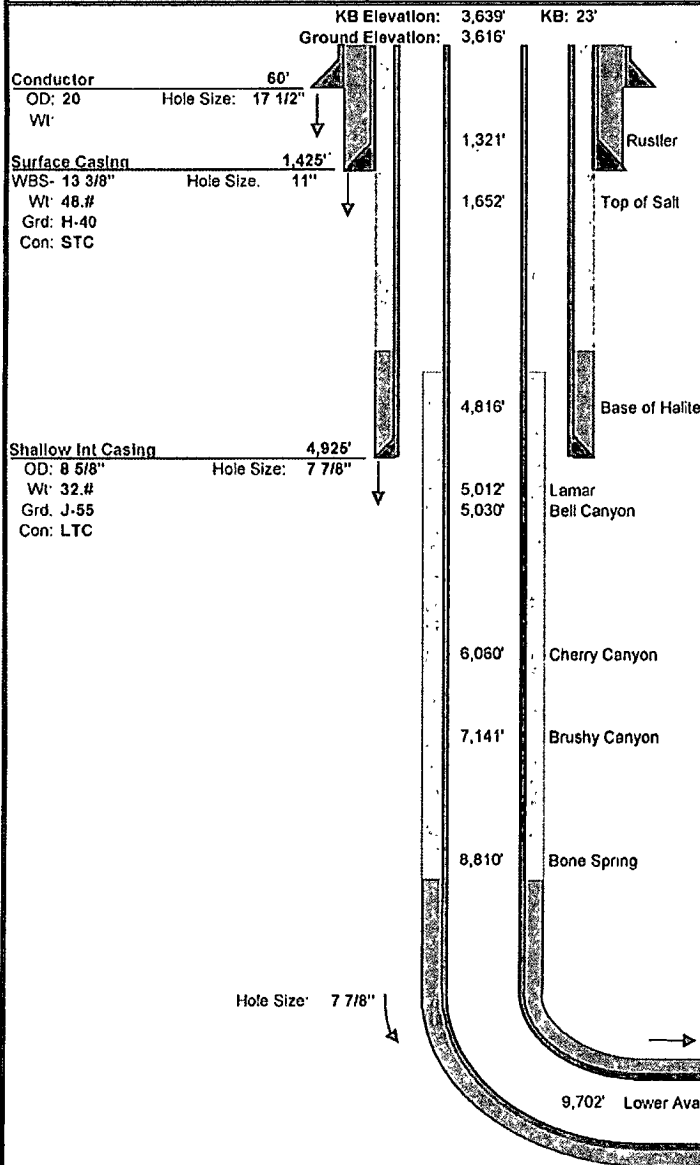
APR 30 2012



Drilling Engineer: Chris Gray
Superintendent: Daniel Gipson
Geologist: Chris Persellin

Well Name: McCloy Ranch 2-24-32 ST COM 1H
Target: Lower Avalon
County, State: Lea, NM
Surface Location: 100' FSL 1980' FWL, Section 2, Township 24S, Range 32 E
BH Location: 165' FNL 1980' FWL, Section 2, Township 24S, Range 32 E
SHL Latitude: 32.239571 SHL North: 451552
SHL Longitude: -103.647070 SHL East: 712185
BHL Latitude: 32.253308 BHL North: 456550
BHL Longitude: -103.647078 BHL East: 712151
Coordinates: NAD 27 Coordinates: NMSPCE

Drilling Rig: Cactus 120
Directional: Phoenix
Drilling Mud: Nova
Cement: Schlumberger
Wellhead: Sunbelt
Property Number: 645248
AFE Number: 171033



Wellhead Equipment	
A Section	13-3/8" x 13-5/8" 5K SOW (Multibowl)
B Section	N/A (Multibowl)
C Section	11" 5K X 7-1/16" 10K w/10k gate valve
D Section	N/A
Required BOP Stack	13-5/8" 5K- Double, Annular, Rot Head w/orbit valve

Mud				
Depth	Type	Weight	F. Vis	FL
0' - 1,425'	Spud Mud	8.4 - 8.7	32 - 34	NC - NC
1,425' - 4,925'	Brine	9.5 - 10.1	28 - 29	NC - NC
4,925' - 9,173'	Cut Brine	8.3 - 9	28 - 29	NC - NC
9,173' - 9,919'	Cut Brine	8.3 - 9	28 - 29	NC - NC
9,919' - 14,444'	Cut Brine	8.3 - 9	28 - 29	NC - NC

Cement							
Slurry	Top	Btm	Wt	Yld	%Exc	Bbl	Sx
Surface							
Single Slurry	0'	1,425'	13.5	1.73	200	522	1693
Shallow Int							
Lead	0'	4,425'	12.0	1.99	200	526	1485
Tail	4,425'	4,925'	14.2	1.37	200	71	290
Production							
Lead	4,425'	9,173'	12.4	2.11	75	245	652
Tail	9,173'	14,444'	14.5	1.27	75	287	1268

Type	Logs	Interval	Vendor
Mud Log	2 man Mudlog	Int Csg to TD	Suttles
OH	Triple Combo	Curve to Int Csg	TBD
OH	GR/Neutron	Int Cas to Surf	TBD
LWD	MWD Gamma	Curve and Lateral	Phoenix

Directional Plan						
Target Line:	9646' @ 0' VS w/89.5 deg Inclination					
Target Window:	20' above, 20' below, 50' left, 50' right					
	MD	INC	AZM	TVD	VS	DLS
KOP	9,173'	0.00	0.00	9,173'	0'	0.00
EOB	9,919'	89.50	359.61	9,651'	473'	12.00
TD	14,444'	89.50	359.61	9,690'	4,998'	0.00
Hardlines:	Lateral- 330' from parallel lease lines. Vertical- Actual Lease Lines					
Notes:	Please note SHL and BHL distance from lease lines					

HOBBS OCD

30-025-40551

APR 27 2012

RECEIVED

Permian District

NM- Lea- Avalon

McCloy Ranch 2-24-32 ST COM 1H

Well #1

Wellbore #1

Plan: Plat

Standard Planning Report

25 April, 2012

Chesapeake Operating Planning Report

Database:	Drilling Database	Local Co-ordinate Reference:	Site McCloy Ranch 2-24-32 ST COM 1H
Company:	Permian District	TVD Reference:	WELL @ 0.00ft (Original Well Elev)
Project:	NM- Lea- Avalon	MD Reference:	WELL @ 0.00ft (Original Well Elev)
Site:	McCloy Ranch 2-24-32 ST COM 1H	North Reference:	Grid
Well:	Well #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat		

Project	NM- Lea- Avalon		
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	McCloy Ranch 2-24-32 ST COM 1H				
Site Position:		Northing:	451,552.00 usft	Latitude:	32.239570
From:	Map	Eastng:	712,185.00 usft	Longitude:	-103.647071
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	0.37 °

Well	Well #1					
Well Position	+N/-S	0.00 ft	Northing:	451,552.00 usft	Latitude:	32.239570
	+E/-W	0.00 ft	Eastng:	712,185.00 usft	Longitude:	-103.647071
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	0.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF200510	4/20/2012	(°) 7.51	(°) 60.19	(nT) 48,598

Design	Plat			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	359.61

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100usft)	Buid Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
9,173.07	0.00	0.00	9,173.07	0.00	0.00	0.00	0.00	0.00	0.00	
9,918.90	89.50	359.61	9,650.51	473.29	-3.22	12.00	12.00	0.00	359.61	
14,443.90	89.50	359.61	9,690.00	4,998.01	-34.00	0.00	0.00	0.00	0.00	McCloy 2-24-32 1H- E

Chesapeake Operating

Planning Report

Database:	Drilling Database	Local Co-ordinate Reference:	Site McCloy Ranch 2-24-32 ST COM 1H
Company:	Permian District	TVD Reference:	WELL @ 0.00ft (Original Well Elev)
Project:	NM- Lea- Avalon	MD Reference:	WELL @ 0.00ft (Original Well Elev)
Site:	McCloy Ranch 2-24-32 ST COM 1H	North Reference:	Grid
Well:	Well #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/1000ft)	Build Rate (°/1000ft)	Turn Rate (°/1000ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00

Chesapeake Operating

Planning Report

Database:	Drilling Database	Local Co-ordinate Reference:	Site McCloy Ranch 2-24-32 ST COM 1H
Company:	Permian District	TVD Reference:	WELL @ 0.00ft (Original Well Elev)
Project:	NM- Loa- Avalon	MD Reference:	WELL @ 0.00ft (Original Well Elev)
Site:	McCloy Ranch 2-24-32 ST COM 1H	North Reference:	Grid
Well:	Well #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/1000ft)	Build Rate (°/1000ft)	Turn Rate (°/1000ft)
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,300.00	0.00	0.00	0.00	0.00	0.00	0.00
7,400.00	0.00	0.00	7,400.00	0.00	0.00	0.00	0.00	0.00	0.00
7,500.00	0.00	0.00	7,500.00	0.00	0.00	0.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,600.00	0.00	0.00	0.00	0.00	0.00	0.00
7,700.00	0.00	0.00	7,700.00	0.00	0.00	0.00	0.00	0.00	0.00
7,800.00	0.00	0.00	7,800.00	0.00	0.00	0.00	0.00	0.00	0.00
7,900.00	0.00	0.00	7,900.00	0.00	0.00	0.00	0.00	0.00	0.00
8,000.00	0.00	0.00	8,000.00	0.00	0.00	0.00	0.00	0.00	0.00
8,100.00	0.00	0.00	8,100.00	0.00	0.00	0.00	0.00	0.00	0.00
8,200.00	0.00	0.00	8,200.00	0.00	0.00	0.00	0.00	0.00	0.00
8,300.00	0.00	0.00	8,300.00	0.00	0.00	0.00	0.00	0.00	0.00
8,400.00	0.00	0.00	8,400.00	0.00	0.00	0.00	0.00	0.00	0.00
8,500.00	0.00	0.00	8,500.00	0.00	0.00	0.00	0.00	0.00	0.00
8,600.00	0.00	0.00	8,600.00	0.00	0.00	0.00	0.00	0.00	0.00
8,700.00	0.00	0.00	8,700.00	0.00	0.00	0.00	0.00	0.00	0.00
8,800.00	0.00	0.00	8,800.00	0.00	0.00	0.00	0.00	0.00	0.00
8,900.00	0.00	0.00	8,900.00	0.00	0.00	0.00	0.00	0.00	0.00
9,000.00	0.00	0.00	9,000.00	0.00	0.00	0.00	0.00	0.00	0.00
9,100.00	0.00	0.00	9,100.00	0.00	0.00	0.00	0.00	0.00	0.00
9,173.07	0.00	0.00	9,173.07	0.00	0.00	0.00	0.00	0.00	0.00
9,200.00	3.23	359.61	9,199.99	0.78	-0.01	0.78	12.00	12.00	0.00
9,300.00	15.23	359.61	9,298.51	16.77	-0.11	16.77	12.00	12.00	0.00
9,400.00	27.23	359.61	9,391.55	52.92	-0.36	52.92	12.00	12.00	0.00
9,500.00	39.23	359.61	9,475.04	107.62	-0.73	107.63	12.00	12.00	0.00
9,600.00	51.23	359.61	9,545.34	178.49	-1.21	178.49	12.00	12.00	0.00
9,700.00	63.23	359.61	9,599.38	282.42	-1.79	282.43	12.00	12.00	0.00
9,800.00	75.23	359.61	9,634.76	355.75	-2.42	355.76	12.00	12.00	0.00
9,900.00	87.23	359.61	9,649.97	454.40	-3.09	454.41	12.00	12.00	0.00
9,918.90	89.50	359.61	9,650.51	473.29	-3.22	473.30	12.00	12.00	0.00
10,000.00	89.50	359.61	9,651.22	554.38	-3.77	554.40	0.00	0.00	0.00
10,100.00	89.50	359.61	9,652.09	654.38	-4.45	654.39	0.00	0.00	0.00
10,200.00	89.50	359.61	9,652.97	754.37	-5.13	754.39	0.00	0.00	0.00
10,300.00	89.50	359.61	9,653.84	854.37	-5.81	854.39	0.00	0.00	0.00
10,400.00	89.50	359.61	9,654.71	954.36	-6.49	954.38	0.00	0.00	0.00
10,500.00	89.50	359.61	9,655.58	1,054.35	-7.17	1,054.38	0.00	0.00	0.00

Chesapeake Operating

Planning Report

Database:	Drilling Database	Local Co-ordinate Reference:	Site McCloy Ranch 2-24-32 ST COM 1H
Company:	Permian District	TVD Reference:	WELL @ 0.00ft (Original Well Elev)
Project:	NM- Lea- Avalon	MD Reference:	WELL @ 0.00ft (Original Well Elev)
Site:	McCloy Ranch 2-24-32 ST COM 1H	North Reference:	Grid
Well:	Well #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,600.00	89.50	359.61	9,658.46	1,154.35	-7.85	1,154.37	0.00	0.00	0.00
10,700.00	89.50	359.61	9,657.33	1,254.34	-8.53	1,254.37	0.00	0.00	0.00
10,800.00	89.50	359.61	9,658.20	1,354.33	-9.21	1,354.37	0.00	0.00	0.00
10,900.00	89.50	359.61	9,659.07	1,454.33	-9.89	1,454.36	0.00	0.00	0.00
11,000.00	89.50	359.61	9,659.95	1,554.32	-10.57	1,554.36	0.00	0.00	0.00
11,100.00	89.50	359.61	9,660.82	1,654.32	-11.25	1,654.35	0.00	0.00	0.00
11,200.00	89.50	359.61	9,661.69	1,754.31	-11.93	1,754.35	0.00	0.00	0.00
11,300.00	89.50	359.61	9,662.56	1,854.30	-12.61	1,854.35	0.00	0.00	0.00
11,400.00	89.50	359.61	9,663.44	1,954.30	-13.29	1,954.34	0.00	0.00	0.00
11,500.00	89.50	359.61	9,664.31	2,054.29	-13.97	2,054.34	0.00	0.00	0.00
11,600.00	89.50	359.61	9,665.18	2,154.29	-14.66	2,154.34	0.00	0.00	0.00
11,700.00	89.50	359.61	9,666.06	2,254.28	-15.34	2,254.33	0.00	0.00	0.00
11,800.00	89.50	359.61	9,666.93	2,354.27	-16.02	2,354.33	0.00	0.00	0.00
11,900.00	89.50	359.61	9,667.80	2,454.27	-16.70	2,454.32	0.00	0.00	0.00
12,000.00	89.50	359.61	9,668.67	2,554.26	-17.38	2,554.32	0.00	0.00	0.00
12,100.00	89.50	359.61	9,669.55	2,654.26	-18.06	2,654.32	0.00	0.00	0.00
12,200.00	89.50	359.61	9,670.42	2,754.25	-18.74	2,754.31	0.00	0.00	0.00
12,300.00	89.50	359.61	9,671.29	2,854.24	-19.42	2,854.31	0.00	0.00	0.00
12,400.00	89.50	359.61	9,672.16	2,954.24	-20.10	2,954.31	0.00	0.00	0.00
12,500.00	89.50	359.61	9,673.04	3,054.23	-20.78	3,054.30	0.00	0.00	0.00
12,600.00	89.50	359.61	9,673.91	3,154.22	-21.46	3,154.30	0.00	0.00	0.00
12,700.00	89.50	359.61	9,674.78	3,254.22	-22.14	3,254.29	0.00	0.00	0.00
12,800.00	89.50	359.61	9,675.65	3,354.21	-22.82	3,354.29	0.00	0.00	0.00
12,900.00	89.50	359.61	9,676.53	3,454.21	-23.50	3,454.29	0.00	0.00	0.00
13,000.00	89.50	359.61	9,677.40	3,554.20	-24.18	3,554.28	0.00	0.00	0.00
13,100.00	89.50	359.61	9,678.27	3,654.19	-24.86	3,654.28	0.00	0.00	0.00
13,200.00	89.50	359.61	9,679.15	3,754.19	-25.54	3,754.27	0.00	0.00	0.00
13,300.00	89.50	359.61	9,680.02	3,854.18	-26.22	3,854.27	0.00	0.00	0.00
13,400.00	89.50	359.61	9,680.89	3,954.18	-26.90	3,954.27	0.00	0.00	0.00
13,500.00	89.50	359.61	9,681.76	4,054.17	-27.58	4,054.28	0.00	0.00	0.00
13,600.00	89.50	359.61	9,682.64	4,154.16	-28.26	4,154.28	0.00	0.00	0.00
13,700.00	89.50	359.61	9,683.51	4,254.16	-28.94	4,254.28	0.00	0.00	0.00
13,800.00	89.50	359.61	9,684.38	4,354.15	-29.62	4,354.25	0.00	0.00	0.00
13,900.00	89.50	359.61	9,685.25	4,454.14	-30.30	4,454.25	0.00	0.00	0.00
14,000.00	89.50	359.61	9,686.13	4,554.14	-30.98	4,554.24	0.00	0.00	0.00
14,100.00	89.50	359.61	9,687.00	4,654.13	-31.66	4,654.24	0.00	0.00	0.00
14,200.00	89.50	359.61	9,687.87	4,754.13	-32.34	4,754.24	0.00	0.00	0.00
14,300.00	89.50	359.61	9,688.74	4,854.12	-33.02	4,854.23	0.00	0.00	0.00
14,400.00	89.50	359.61	9,689.62	4,954.11	-33.70	4,954.23	0.00	0.00	0.00
14,443.90	89.50	359.61	9,690.00	4,998.01	-34.00	4,998.13	0.00	0.00	0.00

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Eastng (usft)	Latitude	Longitude
McCloy 2-24-32 1H- SHI	0.00	0.00	9,648.00	0.00	0.00	451,552.00	712,185.00	32.238570	-103.647071
- hit/miss target									
- Shape									
- plan misses target center by 194.59ft at 9544.06ft MD (9507.84 TVD, 137.02 N, -0.93 E)									
- Point									
McCloy 2-24-32 1H- BHI	0.00	0.00	9,690.00	4,998.01	-34.00	458,550.00	712,151.00	32.253309	-103.647078
- plan hits target center									
- Point									

Chesapeake Operating
Planning Report

Database: Drilling Database
Company: Permian District
Project: NM- Lea- Avalon
Site: McCloy Ranch 2-24-32 ST COM 1H
Well: Well #1
Wellbore: Wellbore #1
Design: Plat

Local Co-ordinate Reference: Site McCloy Ranch 2-24-32 ST COM 1H
TVD Reference: WELL @ 0.00ft (Original Well Elev)
MD Reference: WELL @ 0.00ft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature