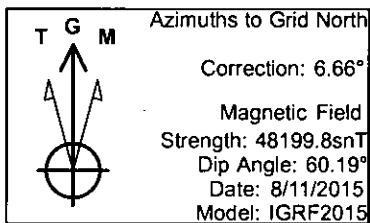


Company Name: Mewbourne Oil Company
 Antelope 9 B3PA State Com #1H
 Lea County, New Mexico
 Rig: Patterson #204
 Created By: Sam Hays
 Date: 8/25/2015

Antelope 9 B3PA State Com #1H
 Lea County, New Mexico
 Q150589 & WT-150509
 Design #3 (Tie-In)

Mewbourne Oil Company



DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PRHL, Antelope 9 B3PA State 1H - plan hits target center	11271.0	4784.2	-41.4	483183.23	707160.99	32° 18' 31.324 N	103° 28' 0.434 W

ANNOTATIONS

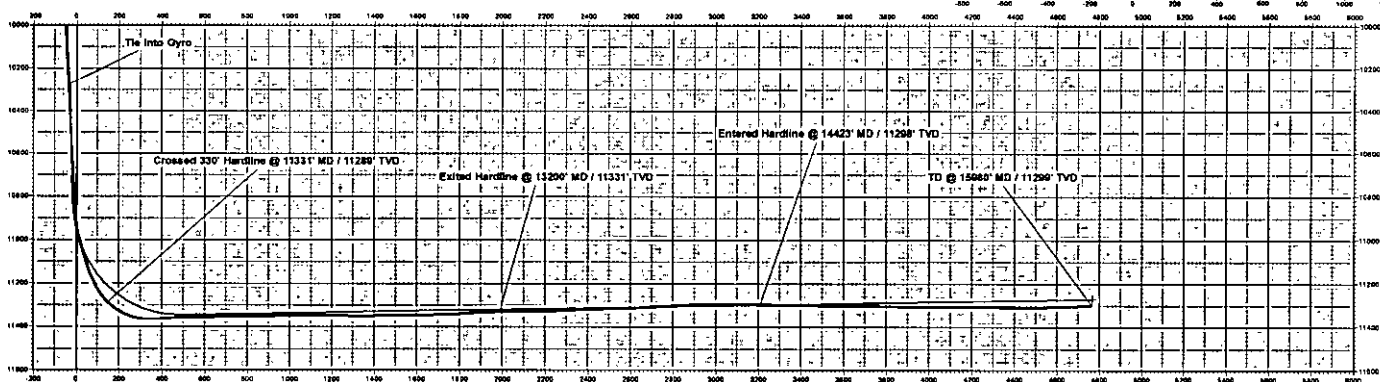
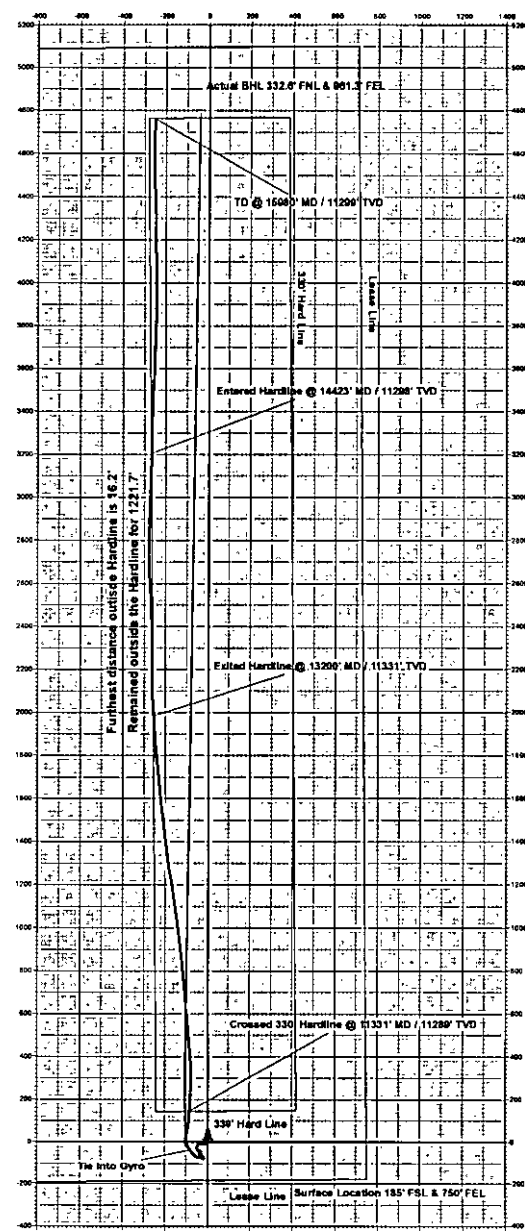
MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
10250.0	3.78	334.95	10274.8	-36.7	-80.6	-36.9	255.7	Tie Into Gyro
11331.3	48.21	3.24	11288.3	144.3	-87.8	145.1	449.5	Crossed 330° Hardline @ 11331' MD / 11288' TVD
12200.2	91.50	357.20	11331.4	1862.3	-257.2	1864.5	2297.5	Entered Hardline @ 12200' MD / 11331' TVD
14423.2	89.20	1.20	11297.7	3203.8	-268.0	3206.1	3519.7	Entered Hardline @ 14423' MD / 11298' TVD
15680.0	93.20	1.40	11299.3	4758.8	-252.7	4761.8	6078.2	TD @ 15680' MD / 11298' TVD

PROJECT DETAILS: Lea County, New Mexico

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

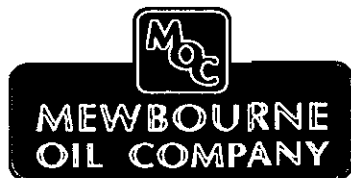
WELL DETAILS Antelope 9 B3PA State Com #1H

Ground Level:		3409.8	
+N/-S	+E/-W	Northing	Easting
0.0	0.0	478398.00	707202.40
		Latitude	Longitude
		32° 18' 44.178 N	103° 28' 0.404 W



Vertical Section at 359.50° (200 usf/m)

OCT 07 2015



30-025-42651

HOBBS OCD

SEP 29 2015

RECEIVED

Mewbourne Oil Company

Lea County, New Mexico

Sec 9, T23S, R34E

Antelope 9 B3PA State Com #1H

Wellbore #1

Survey: MWD

DDC Survey Report

02 September, 2015



The Directional Drilling Company

11390 FM 830
Willis, TX 77318
Phone: (936) 856-4332
Fax: (936) 856-8678



Survey Certification Sheet

Company	Job Number	Date
Mewbourne Oil Company	WT-150545	9/2/2015

Lease	Well Name	County & State
Sec9, T23S, R34E	Antelope 9 B3PA State #1H	Lea, NM

API No.	Survey Depth Range	Survey Type
30-025-42651	10280 feet to 15980 feet MD	MWD

Sidetrack Information	Directional Supervisor/Surveyor
N/A	Brad Reed

Certification Statement

The data and calculations for this survey have been checked by me and conform to the standards and procedures set forth by The Directional Drilling Company (DDC). This report represents a true and correct directional survey of this well based on the original data obtained at the well site.

Wellbore coordinates are calculated using minimum curvature.

Christopher Hughes

Digitally signed by Christopher Hughes
DN: cn=Christopher Hughes, o=DDC, ou,
email=Chrish@directionaldrillers.com, c=US
Date: 2015.09.04 07:26:01 -05'00'

Christopher Hughes
MWD Compliance Manager
The Directional Drilling Company



HP
Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Antelope 9 B3PA State Com #1H
Project:	Lea County, New Mexico	TVD Reference:	Well @ 3436.0usft (Patterson #204)
Site:	Sec 9, T23S, R34E	MD Reference:	Well @ 3436.0usft (Patterson #204)
Well:	Antelope 9 B3PA State Com #1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Compass

Project	Lea County, New Mexico		
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	Sec 9, T23S, R34E		
Site Position:		Northing:	478,399.00 usft
From:	Map	Easting:	767,202.40 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 18' 44.178 N
		Longitude:	103° 28' 6.404 W
		Grid Convergence:	0.46 °

Well	Antelope 9 B3PA State Com #1H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Latitude:	32° 18' 44.178 N
		Longitude:	103° 28' 6.404 W
		Ground Level:	3,409.0 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2015	7/16/2015	7.12
			Dip Angle
			(°)
			60.19
			Field Strength
			(nT)
			48,200

Design	Wellbore #1		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			359.50

Survey Program	Date 8/25/2015		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
100.0	10,280.0	Gyro (Wellbore #1)	Good_gyro
10,466.0	15,980.0	MWD (Wellbore #1)	MWD default
			Description
			Good Gyro
			MWD - Standard

Survey									
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)
Tie Into Gyro @ 10280' MD / 10275' TVD									
10,280.0	3.78	334.95	10,274.9	-36.7	-80.6	-36.0	0.00	0.00	0.00
10,466.0	2.30	327.10	10,460.7	-28.0	-85.2	-27.3	0.82	-0.80	-4.22
10,561.0	2.00	316.00	10,555.6	-25.2	-87.4	-24.5	0.54	-0.32	-11.68
10,655.0	3.10	293.20	10,649.5	-23.0	-90.9	-22.3	1.57	1.17	-24.26
10,750.0	3.50	291.30	10,744.4	-21.0	-95.9	-20.1	0.44	0.42	-2.00
10,781.0	3.60	296.20	10,775.3	-20.2	-97.7	-19.4	1.03	0.32	15.81
10,817.0	4.80	306.20	10,811.2	-18.8	-99.9	-17.9	3.89	3.33	27.78
10,848.0	4.90	317.80	10,842.1	-17.1	-101.8	-16.2	3.17	0.32	37.42
10,879.0	7.00	352.30	10,872.9	-14.2	-103.0	-13.3	13.08	6.77	111.29



HP
Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Antelope 9 B3PA State Com #1H
Project:	Lea County, New Mexico	TVD Reference:	Well @ 3436.0usft (Patterson #204)
Site:	Sec 9, T23S, R34E	MD Reference:	Well @ 3436.0usft (Patterson #204)
Well:	Antelope 9 B3PA State Com #1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Compass

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)
10,911.0	9.50	0.90	10,904.6	-9.6	-103.2	-8.7	8.69	7.81	26.88
10,943.0	10.90	0.50	10,936.1	-4.0	-103.1	-3.1	4.38	4.38	-1.25
10,974.0	13.40	355.60	10,966.4	2.5	-103.4	3.4	8.72	8.06	-15.81
11,006.0	15.60	357.70	10,997.4	10.5	-103.9	11.4	7.07	6.88	6.56
11,037.0	16.30	5.30	11,027.2	19.0	-103.6	19.9	7.10	2.26	24.52
11,101.0	17.90	11.40	11,088.4	37.6	-100.8	38.5	3.75	2.50	9.53
11,132.0	19.40	14.90	11,117.7	47.3	-98.6	48.1	6.04	4.84	11.29
11,164.0	21.80	9.50	11,147.7	58.3	-96.2	59.1	9.56	7.50	-16.88
11,191.0	24.60	10.40	11,172.5	68.7	-94.4	69.6	10.45	10.37	3.33
11,222.0	26.10	11.10	11,200.5	81.8	-91.9	82.6	4.93	4.84	2.26
11,254.0	30.30	4.00	11,228.7	96.7	-90.0	97.5	16.78	13.13	-22.19
11,285.0	36.80	2.40	11,254.5	113.8	-89.1	114.6	21.16	20.97	-5.16
11,317.0	42.80	2.80	11,279.1	134.3	-88.1	135.1	18.77	18.75	1.25
11,348.0	50.20	3.70	11,300.4	156.7	-86.8	157.5	23.96	23.87	2.90
11,380.0	56.80	4.60	11,319.5	182.4	-85.0	183.1	20.75	20.63	2.81
11,411.0	62.40	2.40	11,335.2	209.0	-83.4	209.8	19.07	18.06	-7.10
11,443.0	69.10	2.80	11,348.3	238.2	-82.0	238.9	20.97	20.94	1.25
11,474.0	75.60	3.10	11,357.7	267.7	-80.5	268.4	20.99	20.97	0.97
11,508.0	83.30	0.50	11,363.9	301.0	-79.5	301.7	23.86	22.65	-7.65
11,571.0	93.30	354.70	11,365.8	363.9	-82.1	364.6	18.34	15.87	-9.21
11,665.0	93.40	355.20	11,360.3	457.3	-90.4	458.1	0.54	0.11	0.53
11,760.0	91.20	356.10	11,356.5	552.0	-97.6	552.8	2.50	-2.32	0.95
11,854.0	90.70	354.70	11,354.9	645.7	-105.1	646.5	1.58	-0.53	-1.49
11,949.0	90.80	354.70	11,353.7	740.2	-113.9	741.2	0.11	0.11	0.00
12,043.0	90.90	354.00	11,352.3	833.8	-123.1	834.8	0.75	0.11	-0.74
12,133.0	91.00	353.50	11,350.8	923.2	-132.9	924.3	0.57	0.11	-0.56
12,233.0	91.10	352.60	11,348.9	1,022.5	-145.0	1,023.7	0.91	0.10	-0.90
12,328.0	90.30	351.90	11,347.8	1,116.6	-157.8	1,117.9	1.12	-0.84	-0.74
12,422.0	88.50	349.80	11,348.8	1,209.4	-172.8	1,210.8	2.94	-1.91	-2.23
12,517.0	89.70	351.90	11,350.3	1,303.2	-187.9	1,304.7	2.55	1.26	2.21
12,612.0	90.90	353.60	11,349.8	1,397.4	-199.9	1,399.1	2.19	1.26	1.79
12,706.0	91.10	353.10	11,348.1	1,490.7	-210.8	1,492.5	0.57	0.21	-0.53
12,801.0	91.30	353.00	11,346.1	1,585.0	-222.2	1,586.9	0.24	0.21	-0.11
12,895.0	91.10	354.70	11,344.2	1,678.5	-232.3	1,680.4	1.82	-0.21	1.81
12,990.0	92.30	354.70	11,341.3	1,773.0	-241.1	1,775.0	1.26	1.26	0.00
13,084.0	93.80	354.70	11,336.3	1,866.5	-249.8	1,868.6	1.60	1.60	0.00
13,179.0	91.50	357.50	11,332.0	1,961.1	-256.2	1,963.3	3.81	-2.42	2.95
13,274.0	91.50	356.30	11,329.5	2,056.0	-261.3	2,058.2	1.26	0.00	-1.26
13,368.0	90.30	0.30	11,328.0	2,149.9	-264.1	2,152.1	4.44	-1.28	4.26
13,463.0	91.90	359.80	11,326.2	2,244.9	-264.0	2,247.1	1.76	1.68	-0.53
13,558.0	92.20	359.30	11,322.8	2,339.8	-264.8	2,342.0	0.61	0.32	-0.53
13,652.0	92.40	357.50	11,319.0	2,433.7	-267.4	2,435.9	1.93	0.21	-1.91
13,747.0	92.20	357.50	11,315.2	2,528.5	-271.6	2,530.8	0.21	-0.21	0.00



HP
Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Antelope 9 B3PA State Com #1H
Project:	Lea County, New Mexico	TVD Reference:	Well @ 3436.0usft (Patterson #204)
Site:	Sec 9, T23S, R34E	MD Reference:	Well @ 3436.0usft (Patterson #204)
Well:	Antelope 9 B3PA State Com #1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Compass

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)
13,840.0	92.10	356.60	11,311.7	2,621.3	-276.3	2,623.6	0.97	-0.11	-0.97
13,935.0	92.80	359.10	11,307.6	2,716.2	-279.9	2,718.5	2.73	0.74	2.63
14,030.0	94.00	1.20	11,302.0	2,811.0	-279.7	2,813.3	2.54	1.26	2.21
14,125.0	92.00	2.40	11,297.0	2,905.8	-276.7	2,908.1	2.45	-2.11	1.26
14,220.0	89.50	1.70	11,295.8	3,000.7	-273.3	3,003.0	2.73	-2.63	-0.74
14,314.0	89.60	1.60	11,296.5	3,094.7	-270.6	3,096.9	0.15	0.11	-0.11
14,409.0	89.20	1.20	11,297.5	3,189.7	-268.2	3,191.9	0.60	-0.42	-0.42
14,504.0	89.20	1.20	11,298.8	3,284.6	-266.3	3,286.8	0.00	0.00	0.00
14,599.0	89.00	0.50	11,300.3	3,379.6	-264.8	3,381.8	0.77	-0.21	-0.74
14,694.0	89.20	3.50	11,301.8	3,474.5	-261.5	3,476.7	3.16	0.21	3.16
14,788.0	89.90	2.40	11,302.6	3,568.4	-256.7	3,570.5	1.39	0.74	-1.17
14,883.0	89.70	2.30	11,302.9	3,663.3	-252.8	3,665.4	0.24	-0.21	-0.11
14,978.0	88.90	1.60	11,304.1	3,758.3	-249.6	3,760.3	1.12	-0.84	-0.74
15,073.0	89.10	0.70	11,305.7	3,853.2	-247.7	3,855.2	0.97	0.21	-0.95
15,167.0	89.30	0.20	11,307.0	3,947.2	-246.9	3,949.2	0.57	0.21	-0.53
15,262.0	90.00	359.50	11,307.6	4,042.2	-247.2	4,044.2	1.04	0.74	-0.74
15,357.0	90.40	359.50	11,307.3	4,137.2	-248.0	4,139.2	0.42	0.42	0.00
15,452.0	89.30	359.30	11,307.5	4,232.2	-249.0	4,234.2	1.18	-1.16	-0.21
15,546.0	89.00	359.10	11,308.9	4,326.2	-250.3	4,328.2	0.38	-0.32	-0.21
15,641.0	88.80	357.20	11,310.7	4,421.1	-253.4	4,423.1	2.01	-0.21	-2.00
15,736.0	92.30	359.30	11,309.8	4,516.0	-256.3	4,518.1	4.30	3.68	2.21
15,830.0	91.80	1.00	11,306.5	4,610.0	-256.0	4,612.0	1.88	-0.53	1.81
15,930.0	93.20	1.40	11,302.1	4,709.8	-253.9	4,711.9	1.46	1.40	0.40
TD @ 15980' MD / 11299' TVD									
15,980.0	93.20	1.40	11,299.3	4,759.8	-252.7	4,761.8	0.00	0.00	0.00

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,280.0	10,274.9	-36.7	-80.6	Tie Into Gyro @ 10280' MD / 10275' TVD
15,980.0	11,299.3	4,759.8	-252.7	TD @ 15980' MD / 11299' TVD

Checked By: _____ Approved By: _____ Date: _____



August 18, 2015

New Mexico Energy, Minerals and Natural Resources Department
Attn: Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

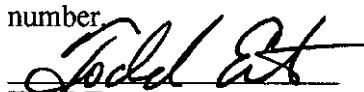
Attn: Jackie Lathan

Re: Mewbourne Oil Company
Antelope 9 B3PA State Com #001H
Antelope Ridge; Bone Spring, NW
Lea County, New Mexico
API# 30-025-42651

Enclosed please find the original and one (1) copy of the survey performed on the reference well by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C. Other information required by your office is as follows:

<u>Name & Title</u>	<u>Drainhole No.</u>	<u>Survey Depths</u>	<u>Dates Performed</u>	<u>Type Survey</u>
Chris Alley	Original Hole	Surface to 10,280ft.	08-10-2015	Gyro Survey

A certified plat on which the bottom-hole location is oriented to both surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number


Todd Estes

Enclosures

CC:

Mewbourne Oil Company
Attn: Frosty Lathan
P.O. Box 5720
Hobbs, NM 88241

Mewbourne Oil Company
Attn: Robin Terrell
P.O. Box 5720
Hobbs, NM 88241

NMEMaNRD\Mewbourne Oil Company\Antelope 9 B3PA State Com #1H\M151075

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.
P.O. Box 1250
Montgomery, TX 77356
Office (936) 582-7296 * Fax (936)-588-4163



August 18, 2015

Survey Certification Report

STATE OF TEXAS

COUNTY OF Montgomery

I, Todd Estes, certify that I am employed by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C., and that I did on the day(s) of August 10, 2015, conduct or supervise the taking of a SEDS Gyro Survey from Surface to a depth of 10,280 feet; that I am authorized and qualified to make this report; that this survey was conducted at the request of Mewbourne Oil Company, for the Antelope 9 B3PA State Com #001H well, API # **30-025-42651** in Lea County, New Mexico; and that I have reviewed this report and find that it conforms to the principles as set forth by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

A handwritten signature in black ink, appearing to read "Todd Estes", written over a horizontal line.

Todd Estes

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

P.O. Box 1250

Montgomery, TX 77356

Office (936) 582-7296 * Fax (936)-588-4163

Stryker Directional

Antelope 9 B3PA State Com #1H

Company: Mewbourne Oil Company .	Local Co-ordinate Reference: Well Antelope 9 B3PA State Com #1H
Project: Lea County N.M.	GL 3409+15 @ 3424.0usft (Patterson #204)
Site: Section 9-23S-34E Antelope 9 B3PA State Com	MD Reference:
Well: Antelope 9 B3PA State Com #1H	North Reference:
Wellbore: Original Hole	Survey Calculation Method:
Design: Original Hole	Database:

Project Lea County N.M.	System Datum: Mean Sea Level
Map System: US State Plane 1927 (Exact solution)	
Geo Datum: NAD 1927 (NADCON CONUS)	
Map Zone: New Mexico East 3001	

Site Section 9-23S-34E Antelope 9 B3PA State Com	
Site Position:	
From: Map	0.00 usft
Position Uncertainty: 0.0 usft	Latitude: 30° 59' 24.512 N
	Longitude: 105° 55' 44.137 W
	Grid Convergence: -0.82 °

Well Antelope 9 B3PA State Com #1H	
Well Position	
+N/-S 0.0 usft	Latitude: 30° 59' 24.512 N
+E/-W 0.0 usft	Longitude: 105° 55' 44.137 W
Position Uncertainty 0.0 usft	Ground Level: 3,409.0 usft

Wellbore Original Hole	
Magnetics	
Model Name User Defined	Field Strength (nT) 47,115
Sample Date 8/12/2015	Dip Angle (°) 58.52
Declination (°) 6.66	

Design Original Hole	
Audit Notes:	
Version: 1.0	Phase: ACTUAL
Vertical Section:	Tie On Depth: 0.0
Depth From (TVD) (usft) 0.0	+N/-S (usft) 0.0
	+E/-W (usft) 0.0
	Direction (°) 359.50

Survey Program	Date 8/12/2015
From (usft) 100.0	To (usft) 10,280.0
Survey (Wellbore)	Survey (Original Hole)
Tool Name SRG-GYRO-MS	Description surface readout gyro multishot

Stryker Directional

Antelope 9 B3PA State Com #1H

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Antelope 9 B3PA State Com #1H
Project:	Lea County N.M.	TVD Reference:	GL 3409+15 @ 3424.0usft (Patterson #204)
Site:	Section 9-23S-34E Antelope 9 B3PA State Com	MD Reference:	GL 3409+15 @ 3424.0usft (Patterson #204)
Well:	Antelope 9 B3PA State Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	V. Sec (usft)	Closure Distance (usft)	Closure Azimuth (°)	D Leg (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.00	0.00
100.0	0.09	195.66	100.0	-0.1	0.0	-0.1	0.1	195.66	0.09
200.0	0.31	158.14	200.0	-0.4	0.1	-0.4	0.4	171.75	0.24
300.0	0.51	148.58	300.0	-1.0	0.4	-1.0	1.1	159.27	0.21
400.0	0.45	146.22	400.0	-1.7	0.8	-1.7	1.9	154.18	0.06
500.0	0.51	148.03	500.0	-2.4	1.3	-2.5	2.8	152.07	0.06
600.0	0.56	175.70	600.0	-3.3	1.6	-3.3	3.7	154.64	0.26
700.0	0.85	202.22	700.0	-4.5	1.3	-4.5	4.7	163.55	0.43
800.0	0.92	207.70	800.0	-5.9	0.7	-5.9	5.9	173.50	0.11
900.0	1.28	242.78	899.9	-7.1	-0.7	-7.1	7.1	185.60	0.75
1,000.0	2.34	266.71	999.9	-7.7	-3.7	-7.7	8.6	205.75	1.28
1,100.0	3.06	268.82	1,099.8	-7.9	-8.4	-7.8	11.6	226.87	0.73
1,200.0	3.20	271.05	1,199.6	-7.9	-13.9	-7.8	16.0	240.36	0.19
1,300.0	3.07	272.13	1,299.5	-7.8	-19.4	-7.6	20.9	248.17	0.14
1,400.0	3.03	277.41	1,399.3	-7.3	-24.7	-7.1	25.7	253.48	0.28
1,500.0	2.89	282.70	1,499.2	-6.4	-29.7	-6.2	30.4	257.82	0.31
1,600.0	3.03	274.66	1,599.1	-5.7	-34.8	-5.3	35.3	260.79	0.44
1,700.0	2.52	241.53	1,699.0	-6.5	-39.4	-6.1	39.9	260.65	1.66
1,800.0	2.47	220.50	1,798.9	-9.2	-42.7	-8.8	43.7	257.89	0.91
1,900.0	2.60	212.80	1,898.8	-12.7	-45.4	-12.3	47.1	254.34	0.36
2,000.0	2.50	213.53	1,998.7	-16.4	-47.8	-16.0	50.5	251.02	0.11
2,100.0	1.88	188.21	2,098.6	-19.9	-49.2	-19.5	53.1	248.01	1.13
2,200.0	2.36	181.15	2,198.5	-23.6	-49.5	-23.1	54.8	244.55	0.55
2,300.0	2.19	171.93	2,298.5	-27.5	-49.3	-27.1	56.4	240.82	0.40
2,400.0	1.29	158.02	2,398.4	-30.4	-48.6	-30.0	57.3	237.93	0.99
2,500.0	1.51	146.58	2,498.4	-32.6	-47.4	-32.2	57.6	235.51	0.35
2,600.0	2.62	144.05	2,598.3	-35.5	-45.4	-35.1	57.6	231.93	1.11

Stryker Directional

Antelope 9 B3PA State Com #1H

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Antelope 9 B3PA State Com #1H
Project:	Lea County N.M.	TVD Reference:	GL 3409+15 @ 3424.0usft (Patterson #204)
Site:	Section 9-23S-34E Antelope 9 B3PA State Com	MD Reference:	GL 3409+15 @ 3424.0usft (Patterson #204)
Well:	Antelope 9 B3PA State Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	V. Sec (usft)	Closure Distance (usft)	Closure Azimuth (°)	D Leg (°/100usft)
2,700.0	1.92	133.84	2,698.2	-38.6	-42.8	-38.2	57.6	228.00	0.81
2,800.0	1.52	102.91	2,798.2	-40.0	-40.3	-39.7	56.8	225.22	0.99
2,900.0	2.46	91.34	2,898.1	-40.4	-36.9	-40.0	54.7	222.43	1.02
3,000.0	1.98	101.49	2,998.1	-40.8	-33.0	-40.5	52.5	219.04	0.62
3,100.0	1.70	121.64	3,098.0	-41.9	-30.1	-41.6	51.6	215.70	0.70
3,200.0	0.64	224.18	3,198.0	-43.1	-29.2	-42.8	52.0	214.16	1.94
3,300.0	1.02	232.09	3,298.0	-44.0	-30.3	-43.7	53.4	214.56	0.40
3,400.0	1.36	228.12	3,398.0	-45.3	-31.9	-45.1	55.4	215.13	0.35
3,500.0	1.74	220.55	3,497.9	-47.3	-33.8	-47.0	58.1	215.53	0.43
3,600.0	2.43	204.46	3,597.9	-50.4	-35.6	-50.1	61.7	215.28	0.90
3,700.0	2.50	195.13	3,697.8	-54.4	-37.1	-54.1	65.8	214.28	0.41
3,800.0	1.17	126.06	3,797.7	-57.1	-36.8	-56.8	68.0	212.81	2.35
3,900.0	2.13	76.78	3,897.7	-57.3	-34.2	-57.0	66.7	210.83	1.63
4,000.0	2.87	72.60	3,997.6	-56.1	-30.0	-55.8	63.6	208.12	0.76
4,100.0	1.31	125.01	4,097.5	-56.0	-26.7	-55.8	62.0	205.45	2.32
4,200.0	2.35	202.96	4,197.5	-58.6	-26.5	-58.3	64.3	204.37	2.44
4,300.0	0.97	212.39	4,297.4	-61.2	-27.8	-60.9	67.2	204.43	1.40
4,400.0	1.48	16.03	4,397.4	-60.6	-27.9	-60.4	66.7	204.69	2.43
4,500.0	0.57	126.71	4,497.4	-59.7	-27.1	-59.5	65.6	204.43	1.76
4,600.0	0.77	148.99	4,597.4	-60.6	-26.4	-60.3	66.1	203.53	0.32
4,700.0	0.80	106.72	4,697.4	-61.3	-25.4	-61.1	66.4	202.46	0.57
4,800.0	0.80	151.56	4,797.4	-62.2	-24.4	-61.9	66.8	201.40	0.61
4,900.0	0.79	158.79	4,897.4	-63.4	-23.8	-63.2	67.7	200.55	0.10
5,000.0	0.80	145.25	4,997.4	-64.6	-23.1	-64.4	68.6	199.69	0.19
5,100.0	0.79	147.09	5,097.4	-65.8	-22.4	-65.6	69.5	198.77	0.03
5,200.0	0.78	148.23	5,197.4	-66.9	-21.6	-66.8	70.3	197.90	0.02
5,300.0	0.78	148.96	5,297.4	-68.1	-20.9	-67.9	71.2	197.07	0.01

Stryker Directional

Antelope 9 B3PA State Com #1H

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Antelope 9 B3PA State Com #1H
Project:	Lea County N.M.	TVD Reference:	GL 3409+15 @ 3424.0usft (Patterson #204)
Site:	Section 9-23S-34E Antelope 9 B3PA State Com	MD Reference:	GL 3409+15 @ 3424.0usft (Patterson #204)
Well:	Antelope 9 B3PA State Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)
5,400.0	0.76	154.92	5,397.3	-69.3	-20.3	-69.1	72.2	196.32	0.08
5,500.0	0.76	153.41	5,497.3	-70.5	-19.7	-70.3	73.2	195.62	0.02
5,600.0	0.75	153.26	5,597.3	-71.7	-19.1	-71.5	74.2	194.94	0.01
5,700.0	0.75	160.52	5,697.3	-72.9	-18.6	-72.7	75.2	194.32	0.09
5,800.0	0.76	153.04	5,797.3	-74.1	-18.1	-73.9	76.2	193.72	0.10
5,900.0	0.66	145.74	5,897.3	-75.1	-17.5	-75.0	77.1	193.08	0.13
6,000.0	0.60	152.06	5,997.3	-76.1	-16.9	-75.9	77.9	192.52	0.09
6,100.0	0.12	132.92	6,097.3	-76.6	-16.6	-76.5	78.4	192.20	0.49
6,200.0	0.06	147.14	6,197.3	-76.7	-16.5	-76.6	78.5	192.11	0.06
6,300.0	0.04	287.09	6,297.3	-76.8	-16.5	-76.6	78.5	192.11	0.09
6,400.0	0.18	301.53	6,397.3	-76.7	-16.6	-76.5	78.4	192.24	0.14
6,500.0	0.30	343.49	6,497.3	-76.3	-16.8	-76.2	78.2	192.44	0.21
6,600.0	0.18	6.57	6,597.3	-75.9	-16.9	-75.8	77.8	192.55	0.15
6,700.0	0.18	5.24	6,697.3	-75.6	-16.9	-75.5	77.5	192.57	0.00
6,800.0	0.38	321.36	6,797.3	-75.2	-17.1	-75.0	77.1	192.78	0.28
6,900.0	0.44	343.73	6,897.3	-74.6	-17.4	-74.4	76.6	193.11	0.17
7,000.0	0.44	322.83	6,997.3	-73.9	-17.7	-73.7	76.0	193.48	0.16
7,100.0	0.26	320.68	7,097.3	-73.4	-18.1	-73.3	75.6	193.84	0.18
7,200.0	0.09	291.32	7,197.3	-73.2	-18.3	-73.0	75.5	194.04	0.19
7,300.0	0.25	275.44	7,297.3	-73.2	-18.6	-73.0	75.5	194.26	0.17
7,400.0	0.31	165.68	7,397.3	-73.4	-18.7	-73.2	75.8	194.33	0.46
7,500.0	0.66	172.96	7,497.3	-74.2	-18.6	-74.1	76.5	194.07	0.35
7,600.0	0.88	168.86	7,597.3	-75.6	-18.4	-75.4	77.8	193.68	0.23
7,700.0	0.80	162.35	7,697.3	-77.0	-18.0	-76.8	79.1	193.18	0.12
7,800.0	0.75	156.57	7,797.2	-78.2	-17.6	-78.1	80.2	192.65	0.09
7,900.0	0.42	179.63	7,897.2	-79.2	-17.3	-79.1	81.1	192.32	0.40
8,000.0	0.53	171.47	7,997.2	-80.0	-17.2	-79.9	81.9	192.15	0.13

Stryker Directional

Antelope 9 B3PA State Com #1H

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Antelope 9 B3PA State Com #1H
Project:	Lea County N.M.	TVD Reference:	GL 3409+15 @ 3424.0usft (Patterson #204)
Site:	Section 9-23S-34E Antelope 9 B3PA State Com	MD Reference:	GL 3409+15 @ 3424.0usft (Patterson #204)
Well:	Antelope 9 B3PA State Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	V. Sec (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)
8,100.0	0.15	179.21	8,097.2	-80.6	-17.2	-80.5	82.4	192.01	0.38
8,200.0	0.10	170.05	8,197.2	-80.8	-17.1	-80.7	82.6	191.97	0.05
8,300.0	0.23	23.82	8,297.2	-80.7	-17.0	-80.6	82.5	191.92	0.32
8,400.0	0.27	34.25	8,397.2	-80.4	-16.8	-80.2	82.1	191.83	0.06
8,500.0	0.51	12.96	8,497.2	-79.7	-16.6	-79.6	81.4	191.76	0.28
8,600.0	0.36	353.79	8,597.2	-79.0	-16.5	-78.8	80.7	191.82	0.21
8,700.0	0.60	271.80	8,697.2	-78.7	-17.1	-78.5	80.5	192.25	0.66
8,800.0	0.89	268.65	8,797.2	-78.7	-18.4	-78.5	80.8	193.16	0.29
8,900.0	1.36	289.75	8,897.2	-78.3	-20.3	-78.1	80.9	194.52	0.62
9,000.0	2.15	305.25	8,997.2	-76.8	-22.9	-76.6	80.1	196.62	0.91
9,100.0	2.31	303.26	9,097.1	-74.6	-26.1	-74.4	79.1	199.31	0.18
9,200.0	2.35	275.88	9,197.0	-73.3	-29.9	-73.0	79.1	202.17	1.10
9,300.0	3.46	275.69	9,296.9	-72.8	-34.9	-72.5	80.7	205.63	1.11
9,400.0	4.40	281.79	9,396.6	-71.7	-41.7	-71.3	82.9	210.16	1.03
9,500.0	4.29	296.95	9,496.3	-69.2	-48.8	-68.8	84.7	215.16	1.15
9,600.0	3.99	305.21	9,596.1	-65.5	-54.9	-65.0	85.5	219.98	0.67
9,700.0	3.58	311.33	9,695.9	-61.5	-60.1	-60.9	86.0	224.37	0.58
9,800.0	3.16	312.37	9,795.7	-57.5	-64.5	-57.0	86.4	228.27	0.42
9,900.0	2.70	319.48	9,895.6	-53.9	-68.1	-53.3	86.8	231.63	0.59
10,000.0	2.81	319.05	9,995.4	-50.2	-71.2	-49.6	87.1	234.79	0.11
10,100.0	2.94	317.26	10,095.3	-46.5	-74.6	-45.9	87.9	238.04	0.16
10,200.0	4.06	330.18	10,195.1	-41.6	-78.1	-40.9	88.4	241.97	1.36
10,280.0	3.78	334.95	10,274.9	-36.7	-80.6	-36.0	88.5	245.51	0.54

10280' Stryker Gyro Survey