

RCVD JAN 4 '12

OIL CONSERV. DIV.

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 & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Revised October 31, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35300	² Pool Code 32870	³ Pool Name Horseshoe Gallup
⁴ Property Code 38693	⁵ Property Name HORSESHOE GALLUP 18	⁶ Well Number 16H
⁷ UGRID No 150182	⁸ Operator Name ROBERT L. BAYLESS, PRODUCER LLC	⁹ Elevation 5377

¹⁰ 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	18	30 N	15 W		220	South	140	East	San Juan

¹¹ 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
M	18	30 N	15 W		1253	South	1273	West	San Juan

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No

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.

¹⁶ (19.78) N 89° 47' W (19.65) 78.72 Ch. (39.29) Lot 1				¹⁷ 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 or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <i>John D Thomas</i> Date: 1/5/12 Printed Name: John D Thomas
N 0° 10' E Lot 2				
Sec.				
39.89 Ch. Lot 3		18		
Bottom Hole 1068 FSL & 1041 FWL Lot 4 (20.07) N 89° 40' W (19.87) 39.94 Ch. N 89° 48' W 39.70 Ch. Lat. 36.80744° N Long. 108.44983° W Prod. 220'	N 74° 44' 35" W, 3988.7'			¹⁸ 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. Date of Survey: 4 July 2011 Signature and Seal of Professional Surveyor: <i>William E. Mahoney</i> Certificate Number: 8466

400

Ar

DIRECTIONAL SURVEY REPORT

ROBERT L BAYLESS, PRODUCER LLC

HORSESHOE GALLUP 18 16H

SAN JUAN COUNTY, NM

PREPARED BY: Tom Schmidt

1/3/2012

TO:
ROBERT L BAYLESS PRODUCER LLC
ATTEN: JOHN THOMAS

RE: ROBERT L BAYLESS PRODUCER LLC
HORSESHOE GALLUP 18 16 H
SAN JUAN COUNTY, NM
RIG: Aztec 580
API NO: 30-045-35300
PES FILE NO.: 700001398-NM-NM

We hereby certify that the enclosed Original Field Survey Data contained in this report represents to the best of our knowledge, a true and accurate survey of the well at the time the survey was run.

DIRECTIONAL SURVEY DATA

1- Directional Survey Report

We appreciate the opportunity to work with you and we look forward to your business support. If you have any questions, I can be reached at (505) 324-0357

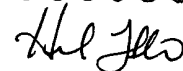
Sincerely,



Tom Schmidt
Manager
PathFinder

*State of New Mexico
County of San Juan*

*Signed or attested before me on
01/03/2012 by Tom Schmidt*



DIRECTIONAL SURVEY COMPANY REPORT:

1. NAME OF SURVEYING COMPANY: Pathfinder
2. NAME OF PERSON(S) PERFORMING SURVEY:
A) Nathan Schmitz
B) Shawn Becenti
C) Marshall Dutton
3. POSITION OF SAID PERSON(S): (A-B) SURVEYORS (FIELD ENGINEERS)
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 09/4/2011 TO 09/11/2011
5. STATE IN WHICH SURVEY WAS PERFORMED: NM
6. LOCATION OF WELL: SAN JUAN COUNTY, NM
7. TYPE OF SURVEY(S) PERFORMED: MWD
8. COMPLETE IDENTIFICATION OF WELL:

ROBERT L BAYLESS PRODUCER LLC
HORSESHOE GALLUP 18 16 H
SAN JUAN COUNTY, NM
RIG: Aztec 580
API NO: 30-045-35300

9. SURVEY CERTIFIED FROM: 375 TO 4522 MEASURED DEPTH

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE DISPLACED AT 861.22 FEET, ON A BEARING OF 295.04 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT A PROJECTED DEPTH OF 4594 FEET, ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.



Tom Schmidt
MANAGER

Robert L. Bayless, Producer LLC

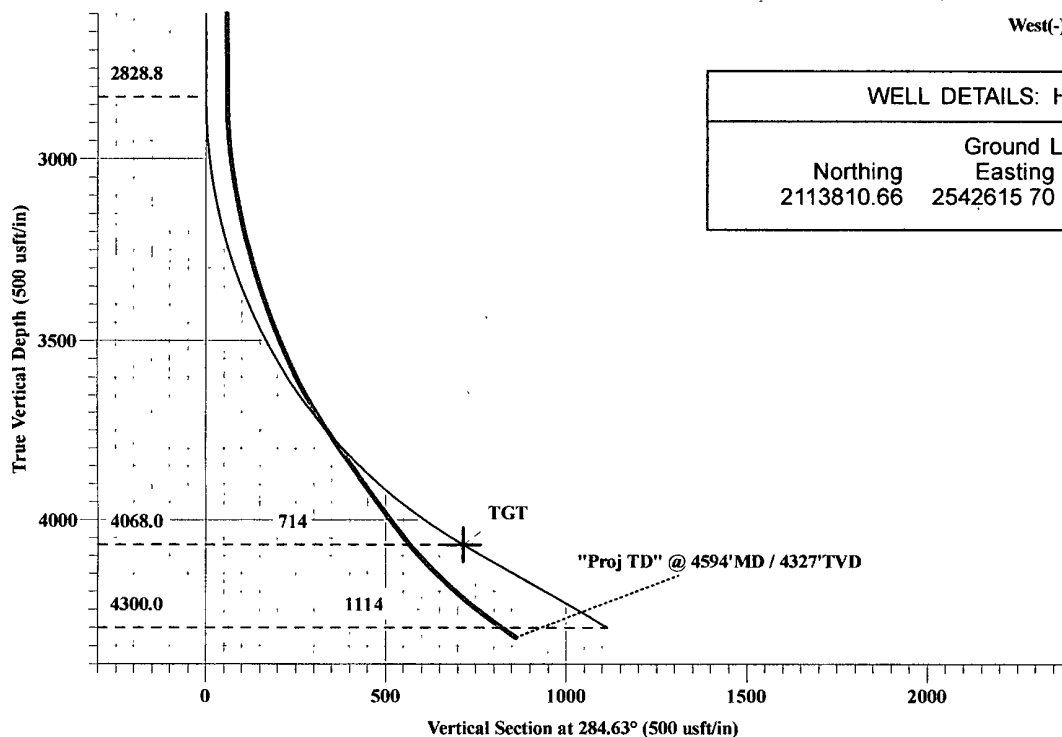
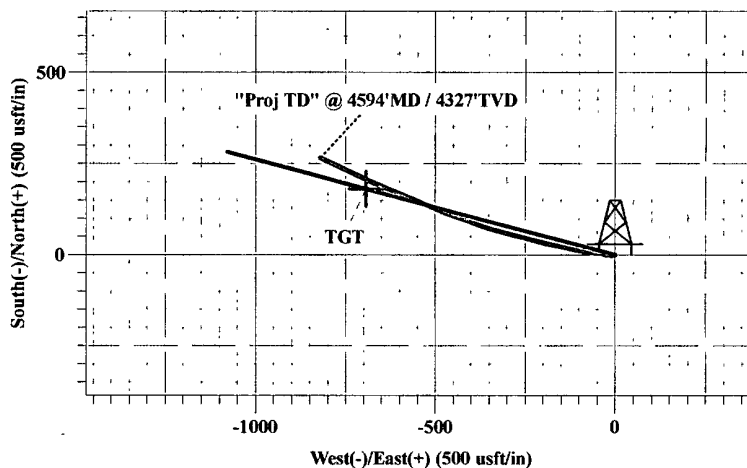
Horseshoe Gallup 18 #16H
Sec18 T30N-R15W
San Juan Co NM

PATHFINDER®

A Schlumberger Company

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
TGT	4069.3	180.9	-693.0	2113996.02	2541923.91	Point
TD	4300.0	1007.5	-3859.4	2114843.01	2538762.91	Point



WELL DETAILS: Horseshoe Gallup 18 #16H

Ground Level	5377.0
Northing	2113810.66
Easting	2542615.70
Latitude	36° 48' 26.784 N
Longitude	108° 26' 59.388 W

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2828.8	0.00	0.00	2828.8	0.0	0.0	0.00	0.00	0.0	
4326.3	59.90	284.63	4068.0	180.4	-690.9	4.00	284.63	714.0	
4328.8	59.90	284.63	4069.3	180.9	-693.0	0.00	0.00	716.2	TGT
4788.8	59.90	284.63	4300.0	281.4	-1078.0	0.00	0.00	1114.2	TD

Plan: Design #1 (Horseshoe Gallup 18 #16H/Wellbore #1)

Created By: Frank C. Scardino

Date: 9/15/2011

Robert L. Bayless, Producer LLC

San Juan Co. NM

Sec18 T30N-R15W

Horseshoe Gallup 18 #16H

Wellbore #1

Design: Wellbore #1

Standard Survey Report

15 September, 2011

Survey Report

Company:	Robert L. Bayless, Producer LLC	Local Co-ordinate Reference:	Site Sec18 T30N-R15W
Project:	San Juan Co. NM	TVD Reference:	WELL @ 5388.0usft (Original Well Elev)
Site:	Sec18 T30N-R15W	MD Reference:	WELL @ 5388.0usft (Original Well Elev)
Well:	Horseshoe Gallup 18 #16H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000 1 Single User Db

Project	San Juan Co. NM		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Western Zone		

Site		Sec18 T30N-R15W			
Site Position:		Northing:	2,113,810.65 usft	Latitude:	36° 48' 26.784 N
From:	Map	Easting:	2,542,615.69 usft	Longitude:	108° 26' 59.388 W
Position Uncertainty:	0 0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-0.37 °

Well	Horseshoe Gallup 18 #16H					
Well Position	+N/-S	0.0 usft	Northing:	2,113,810.65 usft	Latitude:	36° 48' 26.784 N
	+E/-W	0.0 usft	Easting:	2,542,615.69 usft	Longitude:	108° 26' 59.388 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	5,377.0 usft

Wellbore		Wellbore #1			
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	09/15/11	10 16	63.38	50,662

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	287.93	

Survey Program		Date	09/15/11		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
375.0	4,594.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard	

Survey										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Vertical	Dogleg	Build	Turn	
Depth	(°)	(°)	Depth	(usft)	(usft)	Section	Rate	Rate	Rate	
(usft)			(usft)			(usft)	(°/100usft)	(°/100usft)	(°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
375.0	1.49	249.89	375.0	-1.7	-4.6	3.8	0.40	0.40	0.00	
497.0	1.41	274.75	496.9	-2.1	-7.6	6.6	0.52	-0.07	20.38	
620.0	1.58	283.47	619.9	-1.6	-10.7	9.7	0.23	0.14	7.09	
743.0	1.67	279.19	742.8	-0.9	-14.1	13.2	0.12	0.07	-3.48	
863.0	1.76	270.94	862.8	-0.6	-17.7	16.7	0.22	0.08	-6.88	
986.0	1.58	272.41	985.7	-0.5	-21.3	20.1	0.15	-0.15	1.20	
1,107.0	1.32	274.71	1,106.7	-0.3	-24.3	23.1	0.22	-0.21	1.90	
1,227.0	1.06	274.81	1,226.7	-0.1	-26.8	25.5	0.22	-0.22	0.08	
1,351.0	1.58	289.19	1,350.6	0.6	-29.6	28.3	0.49	0.42	11.60	

Survey Report

Company:	Robert L. Bayless, Producer LLC	Local Co-ordinate Reference:	Site Sec18 T30N-R15W
Project:	San Juan Co NM	TVD Reference:	WELL @ 5388.0usft (Original Well Elev)
Site:	Sec18 T30N-R15W	MD Reference:	WELL @ 5388 0usft (Original Well Elev)
Well:	Horseshoe Gallup, 18 #16H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000 1 Single User Db

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)	
1,477.0	2.11	295.07	1,476.6	2.1	-33.3	32.4	0.45	0.42	4.67	
1,665.0	2.46	294.08	1,664.4	5.2	-40.1	39.8	0.19	0.19	-0.53	
1,726.0	2.11	275.10	1,725.4	5.9	-42.5	42.2	1.36	-0.57	-31.11	
1,821.0	2.02	279.98	1,820.3	6.3	-45.9	45.6	0.21	-0.09	5.14	
1,915.0	2.11	285.86	1,914.2	7.1	-49.1	48.9	0.24	0.10	6.26	
2,009.0	2.29	282.04	2,008.2	7.9	-52.6	52.5	0.25	0.19	-4.06	
2,105.0	1.76	289.50	2,104.1	8.8	-55.9	55.9	0.62	-0.55	7.77	
2,198.0	0.62	325.37	2,197.1	9.7	-57.5	57.7	1.41	-1.23	38.57	
2,292.0	0.35	158.96	2,291.1	9.9	-57.7	58.0	1.03	-0.29	-177.03	
2,386.0	0.44	169.89	2,385.1	9.2	-57.6	57.6	0.12	0.10	11.63	
2,479.0	0.44	201.54	2,478.1	8.6	-57.6	57.5	0.26	0.00	34.03	
2,574.0	0.53	208.36	2,573.1	7.8	-58.0	57.6	0.11	0.09	7.18	
2,669.0	0.44	207.66	2,668.1	7.1	-58.4	57.7	0.09	-0.09	-0.74	
2,763.0	0.70	226.33	2,762.1	6.4	-58.9	58.0	0.34	0.28	19.86	
2,857.0	1.23	252.82	2,856.1	5.7	-60.3	59.1	0.72	0.56	28.18	
2,951.0	4.66	274.13	2,949.9	5.7	-65.1	63.7	3.77	3.65	22.67	
3,045.0	9.15	277.68	3,043.2	7.0	-76.3	74.8	4.80	4.78	3.78	
3,139.0	11.96	282.58	3,135.6	10.1	-93.2	91.8	3.14	2.99	5.21	
3,234.0	14.16	281.91	3,228.2	14.6	-114.2	113.2	2.32	2.32	-0.71	
3,328.0	16.71	281.79	3,318.8	19.8	-138.7	138.0	2.71	2.71	-0.13	
3,422.0	20.22	281.53	3,407.9	25.8	-167.8	167.6	3.74	3.73	-0.28	
3,516.0	22.34	284.06	3,495.5	33.4	-201.1	201.6	2.46	2.26	2.69	
3,611.0	25.68	285.06	3,582.3	43.1	-238.5	240.2	3.54	3.52	1.05	
3,706.0	29.63	283.66	3,666.4	54.0	-281.2	284.2	4.21	4.16	-1.47	
3,799.0	33.24	285.19	3,745.7	66.1	-328.2	332.6	3.98	3.88	1.65	
3,893.0	35.35	290.92	3,823.4	82.6	-378.4	385.5	4.10	2.24	6.10	
3,988.0	35.00	288.08	3,901.1	100.8	-430.0	440.2	1.76	-0.37	-2.99	
4,082.0	36.76	291.73	3,977.2	119.6	-481.8	495.2	2.95	1.87	3.88	
4,177.0	38.78	293.11	4,052.3	141.8	-535.6	553.2	2.30	2.13	1.45	
4,271.0	43.44	291.63	4,123.1	165.3	-592.7	614.8	5.06	4.96	-1.57	
4,366.0	47.66	292.78	4,189.6	191.0	-655.5	682.4	4.53	4.44	1.21	
4,460.0	52.06	294.15	4,250.2	219.6	-721.4	753.9	4.81	4.68	1.46	
4,522.0	55.66	295.04	4,286.8	240.4	-766.9	803.7	5.92	5.81	1.44	
4,594.0	55.66	295.04	4,327.4	265.6	-820.7	862.6	0.00	0.00	0.00	
"Proj TD" @ 4594'MD / 4327'TVD										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
4,594.0	4,327.4	265.6	-820.7	"Proj TD" @ 4594'MD / 4327'TVD

Survey Report

Company:	Robert L. Bayless, Producer LLC	Local Co-ordinate Reference:	Site Sec18 T30N-R15W
Project:	San Juan Co. NM	TVD Reference:	WELL @ 5388.0usft (Original Well Elev)
Site:	Sec18 T30N-R15W	MD Reference:	WELL @ 5388.0usft (Original Well Elev)
Well:	Horseshoe Gallup 18 #16H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Checked By: _____	Approved By: _____	Date: _____
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PathFinder Energy Services, Inc.

Survey Report

ROBERT L. BAYLESS, PRODUCER LLC

HORSESHOE GALLUP 18 #16H

SAN JUAN COUNTY, NEW MEXICO

Rig:AZTEC 580

PathFinder Office Supervisor: THOMAS SCHMIDT

PathFinder Field Engineers: NATHAN SCHMITZ

MARSHALL DUTTON

SHAUN BECENTI

Survey Calculations by RX5 V6.03E using Minimum Curvature

Survey Horiz. Reference:WELLHEAD

Ref Coordinates: LAT:36.48.26.7840 N LON:108.26.59.3880 W

GRID Reference:NAD83 new mexico west Transverse Mercator

Ref GRID Coord: X: 2542615.6972 Y: 2113810.6571

North Aligned To:TRUE NORTH

Total Magnetic Correction:10.16° EAST TO TRUE

Vertical Section Plane: 284.63

Survey Vert. Reference: 11.00' Kelly Bushing To Ground

Altitude:5377.00' Ground To MSL

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
TIED INTO SURFACE:										
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00@	0.00	0.00
THE FOLLOWING ARE PATHFINDER MWD SURVEYS:										
375.00	1.49	249.89	374.96	375.00	4.01	1.68 S	4.58 W	4.88@	249.89	0.40
497.00	1.41	274.75	496.92	122.00	6.79	2.10 S	7.56 W	7.85@	254.50	0.52
620.00	1.58	283.47	619.88	123.00	9.98	1.58 S	10.72 W	10.84@	261.63	0.23
743.00	1.67	279.19	742.83	123.00	13.45	0.90 S	14.14 W	14.17@	266.37	0.12
863.00	1.76	270.94	862.78	120.00	16.99	0.59 S	17.71 W	17.72@	268.10	0.22
986.00	1.58	272.41	985.72	123.00	20.48	0.48 S	21.29 W	21.30@	268.70	0.15
1107.00	1.32	274.71	1106.68	121.00	23.48	0.30 S	24.35 W	24.35@	269.30	0.22
1227.00	1.06	274.81	1226.66	120.00	25.94	0.09 S	26.83 W	26.83@	269.80	0.22
1351.00	1.58	289.19	1350.62	124.00	28.77	0.57 N	29.59 W	29.59@	271.09	0.49
1477.00	2.11	295.07	1476.56	126.00	32.78	2.12 N	33.33 W	33.40@	273.64	0.45
1665.00	2.46	294.08	1664.41	188.00	40.17	5.23 N	40.15 W	40.49@	277.42	0.19
1726.00	2.11	275.10	1725.36	61.00	42.57	5.87 N	42.46 W	42.86@	277.87	1.36
1821.00	2.02	279.98	1820.30	95.00	45.96	6.31 N	45.85 W	46.28@	277.84	0.21
1915.00	2.11	285.86	1914.24	94.00	49.34	7.07 N	49.15 W	49.65@	278.19	0.24
2009.00	2.29	282.04	2008.17	94.00	52.95	7.94 N	52.65 W	53.24@	278.57	0.25
2105.00	1.76	289.50	2104.11	96.00	56.33	8.83 N	55.92 W	56.61@	278.97	0.61
2198.00	0.62	325.37	2197.09	93.00	58.14	9.72 N	57.55 W	58.36@	279.59	1.41
2292.00	0.35	158.96	2291.09	94.00	58.35	9.87 N	57.73 W	58.57@	279.70	1.03
2386.00	0.44	169.89	2385.09	94.00	58.04	9.25 N	57.57 W	58.30@	279.12	0.12
2479.00	0.44	201.54	2478.08	93.00	57.93	8.56 N	57.64 W	58.27@	278.45	0.26
2574.00	0.53	208.36	2573.08	95.00	58.08	7.84 N	57.98 W	58.51@	277.70	0.11
2669.00	0.44	207.66	2668.08	95.00	58.26	7.13 N	58.36 W	58.79@	276.96	0.09

PathFinder Energy Services, Inc.

Survey Report

ROBERT L. BAYLESS, PRODUCER LLC
HORSESHOE GALLUP 18 #16H
SAN JUAN COUNTY, NEW MEXICO
RIG:AZTEC 580

Page 02/02

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
2763.00	0.70	226.33	2762.07	94.00	58.65	6.41 N	58.94 W	59.29@	276.21	0.34
2857.00	1.23	252.82	2856.06	94.00	59.81	5.72 N	60.32 W	60.59@	275.41	0.72
2951.00	4.66	274.13	2949.92	94.00	64.42	5.69 N	65.09 W	65.34@	275.00	3.77
3045.00	9.15	277.68	3043.22	94.00	75.60	6.97 N	76.31 W	76.63@	275.22	4.80
3139.00	11.96	282.58	3135.62	94.00	92.76	10.09 N	93.23 W	93.77@	276.18	3.13
3234.00	14.16	281.91	3228.16	95.00	114.20	14.63 N	114.21 W	115.14@	277.30	2.32
3328.00	16.71	281.79	3318.76	94.00	139.19	19.77 N	138.69 W	140.09@	278.11	2.71
3422.00	20.22	281.53	3407.90	94.00	168.91	25.78 N	167.85 W	169.81@	278.73	3.74
3516.00	22.34	284.06	3495.49	94.00	203.00	33.36 N	201.10 W	203.85@	279.42	2.46
3611.00	25.68	285.06	3582.26	95.00	241.65	43.10 N	238.50 W	242.36@	280.24	3.54
3706.00	29.63	283.66	3666.39	95.00	285.73	54.00 N	281.21 W	286.35@	280.87	4.21
3799.00	33.24	285.19	3745.73	93.00	334.22	66.11 N	328.17 W	334.76@	281.39	3.97
3893.00	35.35	290.92	3823.40	94.00	387.04	82.58 N	378.45 W	387.35@	282.31	4.10
3988.00	35.00	288.08	3901.06	95.00	441.55	100.85 N	430.02 W	441.69@	283.20	1.76
4082.00	36.76	291.73	3977.23	94.00	496.38	119.63 N	481.79 W	496.42@	283.94	2.95
4177.00	38.78	293.11	4052.32	95.00	554.02	141.84 N	535.57 W	554.03@	284.83	2.31
4271.00	43.44	291.63	4123.13	94.00	615.25	165.32 N	592.71 W	615.34@	285.58	5.06
4366.00	47.66	292.78	4189.64	95.00	682.46	190.96 N	655.48 W	682.73@	286.24	4.52
4460.00	52.06	294.15	4250.23	94.00	753.44	219.59 N	721.36 W	754.05@	286.93	4.81
4522.00	55.66	295.04	4286.79	62.00	802.74	240.44 N	766.88 W	803.69@	287.41	5.92
STRAIGHT LINE PROJECTION TO BIT AT 4594' MD.										
4594.00	55.66	295.04	4327.40	72.00	861.22	265.60 N	820.74 W	862.65@	287.93	0.00

Robert L. Bayless, Producer LLC

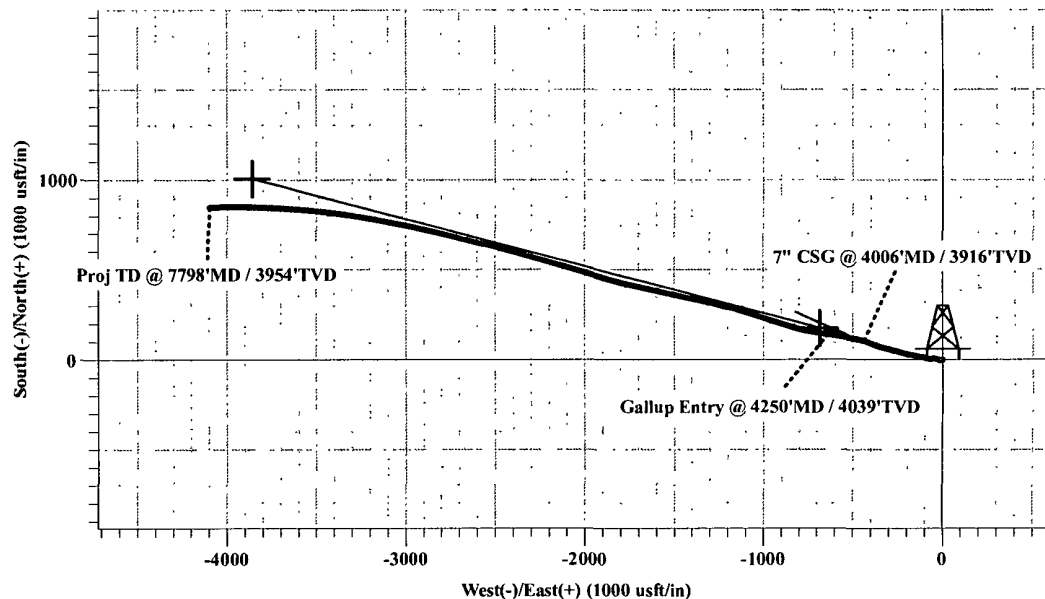
Horseshoe Gallup 18 #16H STK
 Sec18 T30N-R15W
 San Juan Co NM
 GL: 5377' KB: 12'



A Schlumberger Company

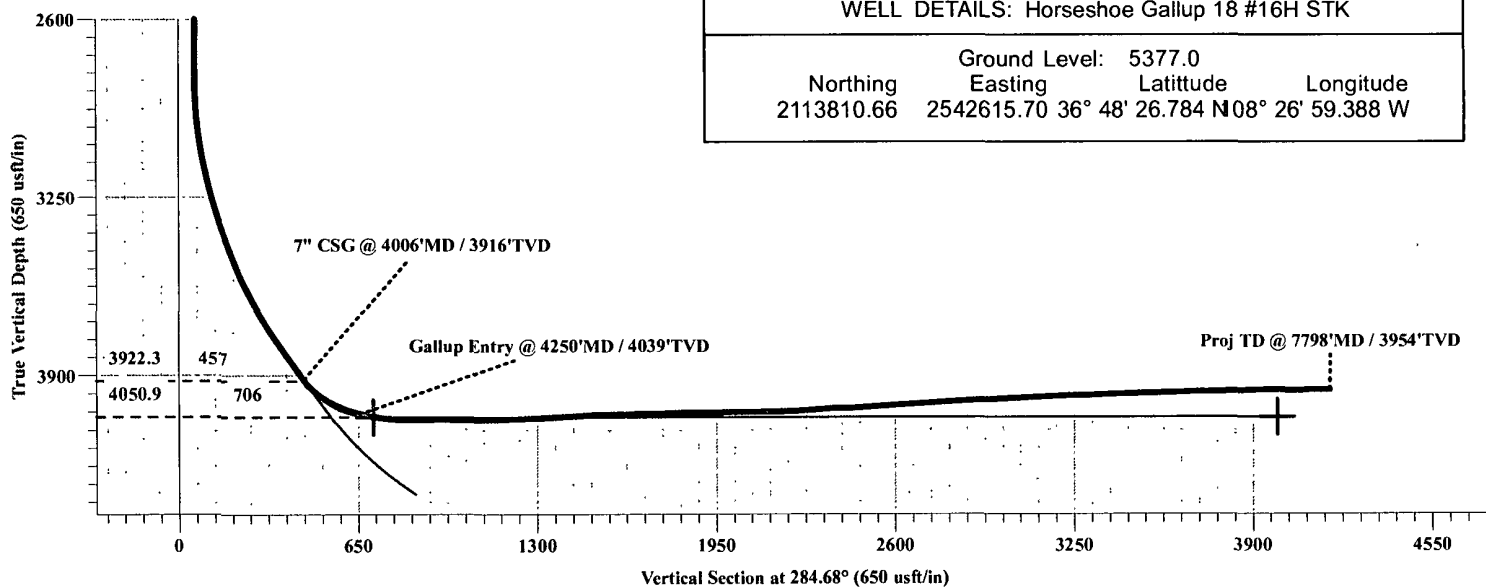
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
LAND	4051.0	175.6	-683.5	2113990.66	2541933.34	Point
Pbhl	4051.0	1007.5	-3859.4	2114843.01	2538762.91	Point



WELL DETAILS: Horseshoe Gallup 18 #16H STK

Ground Level: 5377.0
 Northing 2113810.66 Easting 2542615.70 Latitude 36° 48' 26.784 N Longitude 108° 26' 59.388 W



SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
4014.0	35.48	289.12	3922.3	105.6	-444.2	0.00	0.00	456.5	
4305.4	90.00	284.68	4050.9	175.6	-683.5	18.75	-5.45	705.7	
7588.4	90.00	284.68	4051.0	1007.5	-3859.4	0.00	0.00	3988.7	Pbhl

Plan: Design #6 (Horseshoe Gallup 18 #16H STK/STK)

Created By: Frank C. Scardino

Date: 11/03/2011

Robert L. Bayless, Producer LLC

San Juan Co. NM

Sec18 T30N-R15W

Horseshoe Gallup 18 #16H STK

STK

Design: STK

Standard Survey Report

15 November, 2011

Survey Report

Company: Robert L. Bayless, Producer LLC
Project: San Juan Co NM
Site: Sec18 T30N-R15W
Well: Horseshoe Gallup 18 #16H STK
Wellbore: STK
Design: STK

Local Co-ordinate Reference: Site Sec18 T30N-R15W
TVD Reference: rig2 @ 5389 0usft
MD Reference: rig2 @ 5389 0usft
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000 1 Single User Db

Project	San Juan Co. NM
Map System:	US State Plane 1983
Geo Datum:	North American Datum 1983
Map Zone:	New Mexico Western Zone
System Datum:	Mean Sea Level

Site	Sec18 T30N-R15W				
Site Position:		Northing:	2,113,810.65 usft	Latitude:	36° 48' 26.784 N
From:	Map	Easting:	2,542,615.69 usft	Longitude:	108° 26' 59.388 W
Position Uncertainty:	0 0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-0.37 °

Well	Horseshoe Gallup 18 #16H STK				
Well Position	+N/-S	0.0 usft	Northing:	2,113,810.65 usft	Latitude: 36° 48' 26.784 N
	+E/-W	0.0 usft	Easting:	2,542,615.69 usft	Longitude: 108° 26' 59.388 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level: 5,377.0 usft

Wellbore	STK				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/05/11	10.15	63.38	50,656

Design	STK			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0 0	0 0	0.0	284.68

Survey Program		Date	11/15/11		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
375.0	7,798.0	Survey #1 (STK)	MWD	MWD - Standard	

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	
375.0	1.49	249.89	375.0	-1.7	-4.6	4.0	0.40	0.40	0 00	
497.0	1.41	274.75	496.9	-2.1	-7.6	6.8	0.52	-0.07	20.38	
620.0	1.58	283.47	619.9	-1.6	-10.7	10.0	0.23	0.14	7.09	
743.0	1.67	279.19	742.8	-0.9	-14.1	13.5	0.12	0.07	-3.48	
863.0	1.76	270.94	862.8	-0.6	-17.7	17.0	0.22	0.08	-6.88	
986.0	1.58	272.41	985.7	-0.5	-21.3	20.5	0.15	-0.15	1.20	
1,107.0	1.32	274.71	1,106.7	-0.3	-24.3	23.5	0.22	-0.21	1.90	
1,227.0	1.06	274.81	1,226.7	-0.1	-26.8	25.9	0.22	-0.22	0.08	
1,351.0	1.58	289.19	1,350.6	0.6	-29.6	28.8	0.49	0.42	11.60	

Survey Report

Company: Robert L. Bayless, Producer LLC
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 Site: Sec18 T30N-R15W
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 Design: STK

Local Co-ordinate Reference: Site Sec18 T30N-R15W
 TVD Reference: rig2 @ 5389.0usft
 MD Reference: rig2 @ 5389.0usft
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000 1 Single User Db

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)
1,477.0	2.11	295.07	1,476.6	2.1	-33.3	32.8	0.45	0.42	4.67
1,665.0	2.46	294.08	1,664.4	5.2	-40.1	40.2	0.19	0.19	-0.53
1,726.0	2.11	275.10	1,725.4	5.9	-42.5	42.6	1.36	-0.57	-31.11
1,821.0	2.02	279.98	1,820.3	6.3	-45.9	46.0	0.21	-0.09	5.14
1,915.0	2.11	285.86	1,914.2	7.1	-49.1	49.3	0.24	0.10	6.26
2,009.0	2.29	282.04	2,008.2	7.9	-52.6	52.9	0.25	0.19	-4.06
2,105.0	1.76	289.50	2,104.1	8.8	-55.9	56.3	0.62	-0.55	7.77
2,198.0	0.62	325.37	2,197.1	9.7	-57.5	58.1	1.41	-1.23	38.57
2,292.0	0.35	158.96	2,291.1	9.9	-57.7	58.3	1.03	-0.29	-177.03
2,386.0	0.44	169.89	2,385.1	9.2	-57.6	58.0	0.12	0.10	11.63
2,479.0	0.44	201.54	2,478.1	8.6	-57.6	57.9	0.26	0.00	34.03
2,574.0	0.53	208.36	2,573.1	7.8	-58.0	58.1	0.11	0.09	7.18
2,669.0	0.44	207.66	2,668.1	7.1	-58.4	58.3	0.09	-0.09	-0.74
2,763.0	0.70	226.33	2,762.1	6.4	-58.9	58.6	0.34	0.28	19.86
2,857.0	1.23	252.82	2,856.1	5.7	-60.3	59.8	0.72	0.56	28.18
2,951.0	4.66	274.13	2,949.9	5.7	-65.1	64.4	3.77	3.65	22.67
3,045.0	9.15	277.68	3,043.2	7.0	-76.3	75.6	4.80	4.78	3.78
3,139.0	11.96	282.58	3,135.6	10.1	-93.2	92.7	3.14	2.99	5.21
3,234.0	14.16	281.91	3,228.2	14.6	-114.2	114.2	2.32	2.32	-0.71
3,328.0	16.71	281.79	3,318.8	19.8	-138.7	139.2	2.71	2.71	-0.13
3,422.0	20.22	281.53	3,407.9	25.8	-167.8	168.9	3.74	3.73	-0.28
3,516.0	22.34	284.06	3,495.5	33.4	-201.1	203.0	2.46	2.26	2.69
3,611.0	25.68	285.06	3,582.3	43.1	-238.5	241.6	3.54	3.52	1.05
3,706.0	29.63	283.66	3,666.4	54.0	-281.2	285.7	4.21	4.16	-1.47
3,799.0	33.24	285.19	3,745.7	66.1	-328.2	334.2	3.98	3.88	1.65
3,893.0	35.35	290.92	3,823.4	82.6	-378.4	387.0	4.10	2.24	6.10
3,988.0	35.00	288.08	3,901.1	100.8	-430.0	441.5	1.76	-0.37	-2.99
4,006.0	35.33	288.80	3,915.8	104.1	-439.9	451.9	2.94	1.83	4.00
7" CSG @ 4006'MD / 3916'TVD									
4,100.6	57.42	279.08	3,980.7	119.4	-506.0	519.8	24.44	23.34	-10.27
4,130.7	62.61	279.53	3,995.8	123.7	-531.7	545.7	17.30	17.25	1.50
4,161.0	65.33	279.71	4,009.1	128.2	-558.6	572.8	9.00	8.98	0.59
4,191.0	68.76	279.36	4,020.8	132.8	-585.8	600.3	11.48	11.43	-1.17
4,222.0	72.28	278.84	4,031.1	137.4	-614.7	629.4	11.46	11.35	-1.68
4,250.0	75.54	278.43	4,038.9	141.4	-641.2	656.2	11.73	11.65	-1.45
Gallup Entry @ 4250'MD / 4039'TVD									
4,253.0	75.89	278.39	4,039.6	141.9	-644.1	659.0	11.73	11.65	-1.43
4,283.0	79.58	277.94	4,046.0	146.0	-673.1	688.2	12.39	12.30	-1.50
4,313.0	82.48	278.08	4,050.6	150.2	-702.5	717.6	9.68	9.67	0.47
4,343.0	83.27	279.70	4,054.4	154.8	-731.9	747.2	5.97	2.63	5.40
4,374.0	84.86	282.33	4,057.6	160.6	-762.1	778.0	9.87	5.13	8.48
4,405.0	87.67	284.85	4,059.6	167.9	-792.2	808.9	12.16	9.06	8.13
4,434.0	90.22	286.81	4,060.1	175.8	-820.1	837.9	11.09	8.79	6.76
4,465.0	90.92	287.63	4,059.8	185.0	-849.7	868.9	3.48	2.26	2.65

Survey Report

Company: Robert L. Bayless, Producer LLC
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 Wellbore: STK
 Design: STK

Local Co-ordinate Reference: Site Sec18 T30N-R15W
 TVD Reference: rig2 @ 5389 0usft
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 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000 1 Single User Db

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)
4,495.0	90.84	287.76	4,059.4	194.1	-878.3	898.8	0.51	-0.27	0.43
4,525.0	91.36	287.66	4,058.8	203.2	-906.9	928.8	1.77	1.73	-0.33
4,555.0	88.90	288.70	4,058.7	212.6	-935.4	958.7	8.90	-8.20	3.47
4,585.0	88.20	288.85	4,059.5	222.3	-963.8	988.6	2.39	-2.33	0.50
4,616.0	89.16	288.01	4,060.2	232.1	-993.2	1,019.5	4.11	3.10	-2.71
4,645.0	90.04	287.70	4,060.4	240.9	-1,020.8	1,048.5	3.22	3.03	-1.07
4,676.0	89.96	287.70	4,060.4	250.4	-1,050.3	1,079.5	0.26	-0.26	0.00
4,706.0	90.22	286.80	4,060.3	259.3	-1,078.9	1,109.4	3.12	0.87	-3.00
4,737.0	90.13	286.93	4,060.2	268.3	-1,108.6	1,140.4	0.51	-0.29	0.42
4,768.0	91.01	285.52	4,059.9	276.9	-1,138.4	1,171.4	5.36	2.84	-4.55
4,798.0	92.51	284.20	4,059.0	284.6	-1,167.4	1,201.4	6.66	5.00	-4.40
4,829.0	92.77	283.52	4,057.6	292.0	-1,197.4	1,232.3	2.35	0.84	-2.19
4,858.0	92.33	282.87	4,056.3	298.6	-1,225.6	1,261.3	2.70	-1.52	-2.24
4,888.0	92.07	282.68	4,055.1	305.3	-1,254.9	1,291.3	1.07	-0.87	-0.63
4,918.0	91.98	282.32	4,054.1	311.8	-1,284.1	1,321.2	1.24	-0.30	-1.20
4,948.0	93.56	282.61	4,052.6	318.2	-1,313.4	1,351.2	5.35	5.27	0.97
4,979.0	93.47	282.49	4,050.7	325.0	-1,343.6	1,382.1	0.48	-0.29	-0.39
5,008.0	93.30	282.29	4,049.0	331.2	-1,371.9	1,411.0	0.90	-0.59	-0.69
5,039.0	93.03	281.86	4,047.3	337.6	-1,402.1	1,441.9	1.64	-0.87	-1.39
5,069.0	92.95	281.50	4,045.7	343.7	-1,431.5	1,471.8	1.23	-0.27	-1.20
5,100.0	93.12	282.34	4,044.1	350.1	-1,461.8	1,502.8	2.76	0.55	2.71
5,130.0	92.86	283.00	4,042.5	356.7	-1,491.0	1,532.7	2.36	-0.87	2.20
5,161.0	90.92	283.42	4,041.5	363.7	-1,521.2	1,563.7	6.40	-6.26	1.35
5,192.0	90.04	283.49	4,041.3	371.0	-1,551.3	1,594.7	2.85	-2.84	0.23
5,223.0	90.40	283.63	4,041.1	378.2	-1,581.4	1,625.7	1.25	1.16	0.45
5,254.0	91.28	282.97	4,040.7	385.4	-1,611.6	1,656.7	3.55	2.84	-2.13
5,284.0	90.22	282.18	4,040.3	391.9	-1,640.9	1,686.6	4.41	-3.53	-2.63
5,315.0	91.19	282.24	4,039.9	398.4	-1,671.2	1,717.6	3.14	3.13	0.19
5,345.0	92.33	282.76	4,039.0	404.9	-1,700.4	1,747.6	4.18	3.80	1.73
5,375.0	92.15	282.79	4,037.8	411.6	-1,729.7	1,777.5	0.61	-0.60	0.10
5,405.0	93.39	283.50	4,036.4	418.4	-1,758.9	1,807.5	4.76	4.13	2.37
5,435.0	89.96	284.86	4,035.5	425.7	-1,787.9	1,837.5	12.30	-11.43	4.53
5,464.0	88.72	284.64	4,035.8	433.1	-1,816.0	1,866.5	4.34	-4.28	-0.76
5,495.0	89.78	285.27	4,036.2	441.1	-1,845.9	1,897.4	3.98	3.42	2.03
5,526.0	90.48	286.00	4,036.2	449.5	-1,875.8	1,928.4	3.26	2.26	2.35
5,556.0	92.07	286.79	4,035.5	457.9	-1,904.5	1,958.4	5.92	5.30	2.63
5,616.0	90.84	286.40	4,034.0	475.1	-1,962.0	2,018.4	2.15	-2.05	-0.65
5,646.0	90.57	286.10	4,033.6	483.4	-1,990.8	2,048.4	1.35	-0.90	-1.00
5,677.0	90.13	285.80	4,033.4	492.0	-2,020.6	2,079.3	1.72	-1.42	-0.97
5,708.0	90.40	285.88	4,033.3	500.4	-2,050.5	2,110.3	0.91	0.87	0.26
5,739.0	90.66	285.94	4,033.0	508.9	-2,080.3	2,141.3	0.86	0.84	0.19
5,769.0	91.71	286.11	4,032.4	517.2	-2,109.1	2,171.3	3.55	3.50	0.57
5,799.0	92.33	286.22	4,031.3	525.6	-2,137.9	2,201.3	2.10	2.07	0.37

Survey Report

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 Wellbore: STK
 Design: STK

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 Database: EDM 5000 1 Single User Db

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)
5,829.0	92.77	286.00	4,030.0	533.9	-2,166.7	2,231.2	1.64	1.47	-0.73
5,859.0	93.83	286.29	4,028.2	542.2	-2,195.5	2,261.2	3.66	3.53	0.97
5,890.0	94.79	286.59	4,025.9	550.9	-2,225.1	2,292.1	3.24	3.10	0.97
5,921.0	94.18	286.18	4,023.5	559.7	-2,254.7	2,323.0	2.37	-1.97	-1.32
5,950.0	92.68	285.78	4,021.8	567.6	-2,282.6	2,351.9	5.35	-5.17	-1.38
5,981.0	92.15	285.66	4,020.4	576.0	-2,312.4	2,382.9	1.75	-1.71	-0.39
6,010.0	91.98	285.56	4,019.4	583.8	-2,340.3	2,411.9	0.68	-0.59	-0.34
6,041.0	91.98	284.95	4,018.3	592.0	-2,370.2	2,442.8	1.97	0.00	-1.97
6,073.0	93.83	285.90	4,016.7	600.5	-2,401.0	2,474.8	6.50	5.78	2.97
6,105.0	94.09	285.39	4,014.5	609.1	-2,431.7	2,506.7	1.79	0.81	-1.59
6,136.0	93.56	284.73	4,012.4	617.1	-2,461.6	2,537.6	2.73	-1.71	-2.13
6,168.0	93.39	284.52	4,010.5	625.2	-2,492.5	2,569.6	0.84	-0.53	-0.66
6,200.0	93.30	284.54	4,008.6	633.2	-2,523.4	2,601.5	0.29	-0.28	0.06
6,232.0	92.95	283.61	4,006.9	641.0	-2,554.4	2,633.5	3.10	-1.09	-2.91
6,263.0	93.39	283.78	4,005.2	648.3	-2,584.5	2,664.4	1.52	1.42	0.55
6,295.0	93.65	283.97	4,003.2	656.0	-2,615.5	2,696.4	1.01	0.81	0.59
6,327.0	93.74	284.20	4,001.1	663.7	-2,646.5	2,728.3	0.77	0.28	0.72
6,359.0	94.00	284.66	3,999.0	671.7	-2,677.4	2,760.2	1.65	0.81	1.44
6,390.0	93.47	284.13	3,997.0	679.4	-2,707.4	2,791.2	2.42	-1.71	-1.71
6,422.0	92.68	283.17	3,995.2	686.9	-2,738.4	2,823.1	3.88	-2.47	-3.00
6,454.0	93.56	283.85	3,993.5	694.4	-2,769.5	2,855.0	3.47	2.75	2.13
6,485.0	92.59	283.43	3,991.8	701.7	-2,799.6	2,886.0	3.41	-3.13	-1.35
6,517.0	92.33	283.36	3,990.5	709.1	-2,830.7	2,918.0	0.84	-0.81	-0.22
6,549.0	92.59	282.93	3,989.1	716.4	-2,861.8	2,949.9	1.57	0.81	-1.34
6,581.0	93.03	282.97	3,987.5	723.5	-2,892.9	2,981.9	1.38	1.38	0.13
6,613.0	93.30	282.17	3,985.8	730.5	-2,924.1	3,013.8	2.63	0.84	-2.50
6,644.0	92.42	281.61	3,984.2	736.9	-2,954.4	3,044.7	3.36	-2.84	-1.81
6,676.0	92.68	281.67	3,982.8	743.3	-2,985.7	3,076.6	0.83	0.81	0.19
6,708.0	92.86	281.03	3,981.2	749.6	-3,017.1	3,108.6	2.08	0.56	-2.00
6,740.0	91.98	280.70	3,979.9	755.6	-3,048.5	3,140.5	2.94	-2.75	-1.03
6,771.0	91.80	280.26	3,978.9	761.3	-3,078.9	3,171.4	1.53	-0.58	-1.42
6,803.0	93.12	280.86	3,977.5	767.1	-3,110.4	3,203.2	4.53	4.13	1.88
6,835.0	93.30	280.07	3,975.7	772.9	-3,141.8	3,235.1	2.53	0.56	-2.47
6,866.0	91.19	279.75	3,974.5	778.2	-3,172.3	3,266.0	6.88	-6.81	-1.03
6,898.0	92.15	279.93	3,973.6	783.7	-3,203.8	3,297.8	3.05	3.00	0.56
6,930.0	91.36	279.60	3,972.6	789.1	-3,235.3	3,329.7	2.68	-2.47	-1.03
6,962.0	93.83	281.07	3,971.1	794.9	-3,266.8	3,361.6	8.98	7.72	4.59
6,994.0	92.33	279.52	3,969.4	800.6	-3,298.2	3,393.4	6.74	-4.69	-4.84
7,025.0	90.48	278.56	3,968.6	805.5	-3,328.8	3,424.3	6.72	-5.97	-3.10
7,057.0	90.75	277.88	3,968.3	810.0	-3,360.5	3,456.1	2.29	0.84	-2.13
7,089.0	92.24	277.68	3,967.5	814.4	-3,392.2	3,487.8	4.70	4.66	-0.63
7,121.0	91.36	276.50	3,966.5	818.3	-3,423.9	3,519.5	4.60	-2.75	-3.69
7,152.0	91.89	276.40	3,965.6	821.8	-3,454.7	3,550.2	1.74	1.71	-0.32
7,184.0	92.51	276.13	3,964.4	825.3	-3,486.5	3,581.8	2.11	1.94	-0.84

Survey Report

Company: Robert L. Bayless, Producer LLC
 Project: San Juan Co NM
 Site: Sec18 T30N-R15W
 Well: Horseshoe Gallup 18 #16H STK
 Wellbore: STK
 Design: STK

Local Co-ordinate Reference: Site Sec18 T30N-R15W
 TVD Reference: ng2 @ 5389.0usft
 MD Reference: ng2 @ 5389 0usft
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000 1 Single User Db

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)
7,216 0	90 04	275.15	3,963 6	828 4	-3,518.3	3,613 4	8 30	-7.72	-3 06
7,248 0	91 19	274 80	3,963 3	831 2	-3,550 2	3,645.0	3.76	3 59	-1 09
7,280.0	92 42	275 02	3,962.3	833.9	-3,582.1	3,676 5	3.90	3 84	0 69
7,311.0	91 10	274 06	3,961.3	836.4	-3,613 0	3,707 0	5 26	-4 26	-3 10
7,343 0	90 75	273 88	3,960 8	838 6	-3,644.9	3,738 4	1.23	-1 09	-0 56
7,375.0	90 75	273 50	3,960 4	840 7	-3,676.8	3,769 8	1 19	0 00	-1.19
7,407 0	93 21	273 59	3,959 3	842 6	-3,708 7	3,801.2	7 69	7 69	0 28
7,439 0	91 80	272.89	3,957 9	844.4	-3,740 7	3,832 5	4 92	-4 41	-2 19
7,470 0	90.48	272 09	3,957.3	845.8	-3,771 6	3,862 8	4 98	-4 26	-2 58
7,502.0	91.10	271 57	3,956 8	846 8	-3,803 6	3,894.0	2.53	1 94	-1.63
7,534 0	91 89	271 78	3,956 0	847 7	-3,835 6	3,925 2	2 55	2 47	0 66
7,566.0	91 36	271 17	3,955 1	848 6	-3,867 5	3,956 3	2 52	-1 66	-1 91
7,597.0	89 43	270 76	3,954 9	849 1	-3,898 5	3,986.5	6 36	-6 23	-1 32
7,629.0	88 02	270.04	3,955.6	849 3	-3,930.5	4,017.5	4 95	-4 41	-2 25
7,661 0	88 99	270 10	3,956.4	849.4	-3,962 5	4,048.4	3.04	3.03	0 19
7,693.0	92 51	270 15	3,956.0	849.4	-3,994.5	4,079 4	11.00	11 00	0.16
7,724 0	91 19	269 05	3,955 0	849 2	-4,025 5	4,109 3	5 54	-4 26	-3 55
7,798 0	91 19	269 05	3,953 5	848 0	-4,099.5	4,180 5	0.00	0 00	0 00

Proj TD @ 7798'MD / 3954'TVD

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
4,006 0	3,915 8	104.1	-439 9	7" CSG @ 4006'MD / 3916'TVD
4,250 0	4,038 9	141 4	-641.2	Gallup Entry @ 4250'MD / 4039'TVD
7,798.0	3,953 5	848 0	-4,099 5	Proj TD @ 7798'MD / 3954'TVD

Checked By: _____ Approved By: _____ Date: _____