

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

Form C-102
Revised October 12, 2005
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☒ RCUD NOV 28 '07
AMENDED REPORT
OIL CONS. DIV.
DIST. 3

"As Drilled"

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-34258		*Pool Code 71629		*Pool Name BASIN FRUITLAND COAL	
*Property Code 17033		*Property Name ROSA UNIT			*Well Number 261A
*OGRID No. 120782		*Operator Name WILLIAMS PRODUCTION COMPANY			*Elevation 6447'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot 1st	Feet from the	North/South line	Feet from the	East/West line	County
H	9	31N	6W		1695	NORTH	350	EAST	SAN JUAN

11 Bottom Hole Location If Different From Surface

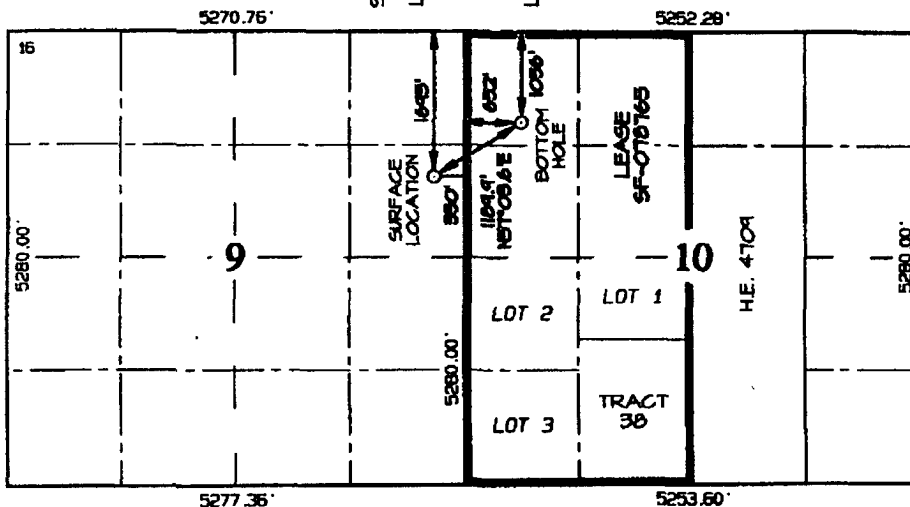
UL or lot no.	Section	Township	Range	Lot 1st	Feet from the	North/South line	Feet from the	East/West line	County
D	10	31N	6W		1056	NORTH	652	WEST	SAN JUAN

*Dedicated Acres 320.0 Acres - (W/2)					*Joint or Drilling	*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

SURFACE LOCATION
LAT: 36.91668°N
LONG: 107.46038°W
DATUM: NAD1983

BOTTOM-HOLE
LAT: 36.91844°N
LONG: 107.45945°W
DATUM: NAD1983



17 OPERATOR CERTIFICATION

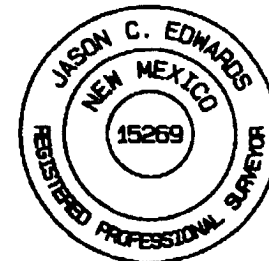
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom-hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Tracy Ross 11-28-07
Signature Date
Tracy Ross
Printed Name

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: MAY 2, 2006
Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269



30-045-34258

ROSA UNIT 261 A
SAN JUAN COUNTY, NM
PLAN 1
Plan vs. Actual

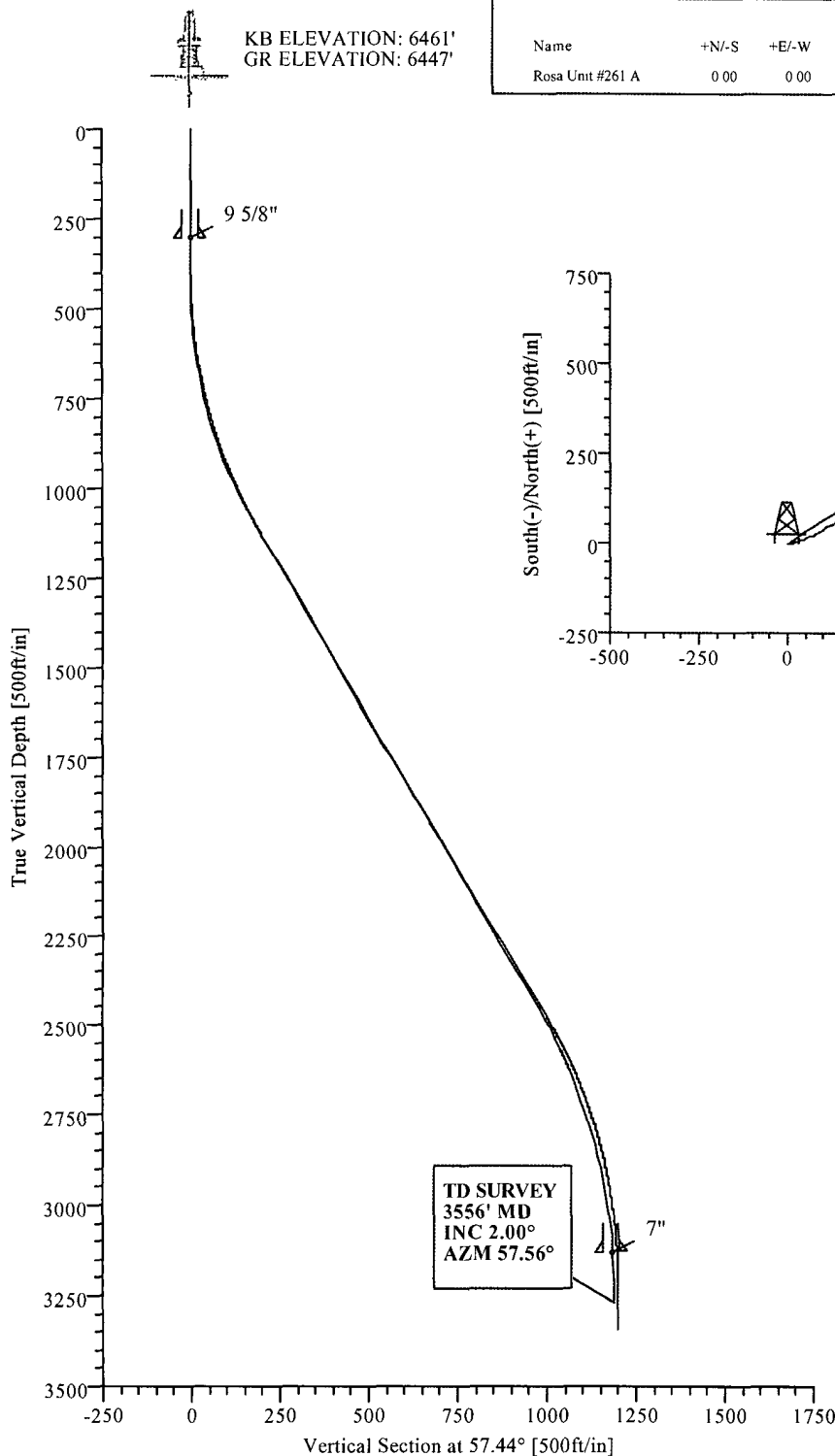


Weatherford®

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0 00	0 00	57.44	0 00	0 00	0 00	0 00	0 00	0 00	
2	400 00	0 00	57.44	400 00	0 00	0 00	0 00	0 00	0 00	
3	1166 90	30 68	57.44	1130 78	107 88	168 93	4 00	57.44	200.44	
4	2730 08	30 68	57.44	2475 22	537 12	841 07	0 00	0.00	997.94	
5	3496 97	0 00	57.44	3206 00	645 00	1010 00	4 00	180 00	1198.38	
6	3636 97	0 00	57.44	3346 00	645 00	1010 00	0 00	0 00	1198.38	

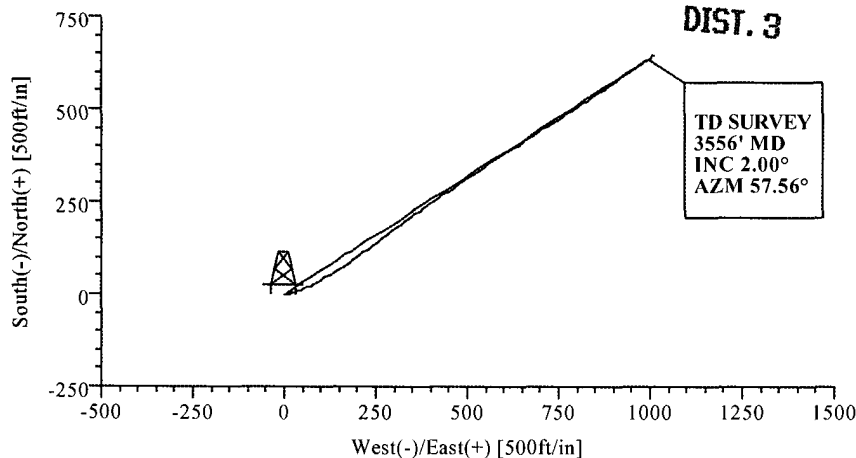
WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Rosa Unit #261 A	0 00	0 00	2153216.31	2832121.67	36°55'00.048N	107°27'37.368W	N/A

KB ELEVATION: 6461'
GR ELEVATION: 6447'

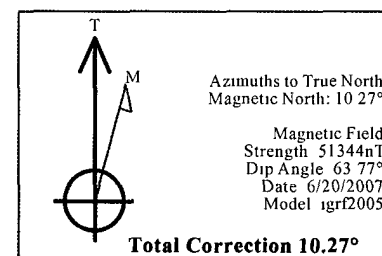


RCVD NOV 29 '07
OIL CONS. DIV.

DIST. 3



LEGEND	
	Rosa Unit #261 A, Actual, Plan #1
	MWD Surveys





Weatherford International, Inc.

Survey Report



Company: WILLIAMS PRODUCTION	Date: 11/19/2007	Time: 15:47:08	Page: 1
Field: San Juan County, NM (NAD 83)	Co-ordinate(NE) Reference: Site: Rosa Unit #261A, True North		
Site: Rosa Unit #261A	Vertical (TVD) Reference: SITE 6461.0		
Well: Rosa Unit #261 A	Section (VS) Reference: Well (0.00N,0.00E,57.44Azi)		
Wellpath: Actual	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Field: San Juan County, NM (NAD 83)

Map System: US State Plane Coordinate System 1983
Geo Datum: GRS 1980
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Western Zone
Coordinate System: Site Centre
Geomagnetic Model: igr2005

Site: Rosa Unit #261A

San Juan County, NM

Site Position:	Northing: 2153216 31 ft	Latitude: 36 55 0.048 N
From: Geographic	Easting: 2832121 67 ft	Longitude: 107 27 37.368 W
Position Uncertainty: 0 00 ft		North Reference: True
Ground Level: 6447.00 ft		Grid Convergence: 0.22 deg

Well: Rosa Unit #261 A

Slot Name:

Well Position: +N/-S 0 00 ft	Northing: 2153216.31 ft	Latitude: 36 55 0.048 N
+E/-W 0 00 ft	Easting: 2832121.67 ft	Longitude: 107 27 37 368 W
Position Uncertainty: 0.00 ft		

Wellpath: Actual

Current Datum: SITE	Height 6461.00 ft	Drilled From: Surface
Magnetic Data: 6/20/2007		Tie-on Depth: 0 00 ft
Field Strength: 51344 nT		Above System Datum: Mean Sea Level
Vertical Section: Depth From (TVD)		Declination: 10.27 deg
ft	+N/-S ft	Mag Dip Angle: 63.77 deg
	+E/-W ft	Direction deg
0.00	0.00	0 00 57.44

Survey: MWD Surveys

Start Date: 6/25/2007

Company: Weatherford Drilling Services
Tool:

Engineer:
Tied-to: From Surface

Survey: MWD Surveys

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
0.00	0 00	0.00	0.00	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	9 5/8"
332.00	0 00	0.00	332.00	0.00	0.00	0.00	0.00	0 00	0.00	Surface Casing Tie On
386.00	1 25	148 11	386.00	-0 50	0.31	-0.01	2.31	2 31	0 00	First MWD Survey
416.00	1 31	135 24	415.99	-1.02	0.73	0.06	0.98	0 20	-42.90	
447.00	1.69	111.74	446.98	-1.44	1.40	0 40	2.31	1.23	-75.81	
478.00	2 25	96 74	477.96	-1 68	2.43	1.14	2 44	1.81	-48 39	
508.00	3.13	85.61	507.93	-1 69	3.83	2.32	3.40	2.93	-37 10	
539.00	4.31	79.49	538.86	-1.41	5 82	4.14	4.01	3.81	-19.74	
568.00	5.44	75 36	567.76	-0 87	8 22	6.46	4.08	3 90	-14.24	
599.00	6 88	72.74	598.58	0 06	11 42	9.65	4.73	4 65	-8 45	
630.00	8 44	72.99	629 30	1.27	15.36	13.63	5.03	5 03	0 81	
660.00	10 00	72.49	658.91	2.70	19 95	18 27	5 21	5 20	-1 67	
691.00	11 19	72 36	689.38	4.42	25.39	23 78	3 84	3.84	-0 42	
721.00	12 50	71 11	718.74	6.36	31.23	29 74	4 45	4.37	-4.17	
752.00	13 94	69.49	748.92	8.75	37.91	36.66	4.80	4.65	-5.23	
783.00	15 31	67 99	778.91	11 59	45.20	44.33	4.58	4.42	-4.84	
814.00	16.94	66.24	808.69	14 95	53.13	52.82	5.49	5.26	-5.65	
844.00	18 25	65 11	837.29	18 68	61 39	61.79	4.51	4 37	-3.77	
875.00	19 56	63.99	866 62	23 00	70.46	71.76	4.38	4 23	-3.61	
906.00	20.88	63.24	895.71	27.77	80 05	82 41	4.34	4 26	-2 42	
937.00	22.19	62.36	924 54	32.97	90 17	93 74	4.35	4.23	-2.84	
967.00	23.81	61.24	952.16	38.51	100.50	105.43	5.59	5.40	-3 73	
997.00	25.25	59.86	979.45	44.64	111.34	117.86	5.17	4.80	-4.60	



Weatherford International, Inc.

Survey Report



Weatherford

Company: WILLIAMS PRODUCTION
Field: San Juan County, NM (NAD 83)
Site: Rosa Unit #261A
Well: Rosa Unit #261 A
Wellpath: Actual

Date: 11/19/2007 Time: 15:47:08 Page: 2
Co-ordinate(NE) Reference: Site: Rosa Unit #261A, True North
Vertical (TVD) Reference: SITE 6461.0
Section (VS) Reference: Well (0.00N,0.00E,57.44Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: MWD Surveys

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
1027.00	26.75	59.24	1006.41	51.30	122.68	131.01	5.08	5.00	-2.07	
1059.00	28.19	58.99	1034.80	58.88	135.35	145.76	4.51	4.50	-0.78	
1091.00	29.19	58.49	1062.87	66.85	148.48	161.12	3.21	3.12	-1.56	
1122.00	29.75	56.74	1089.86	75.02	161.35	176.37	3.31	1.81	-5.65	
1154.00	30.38	54.74	1117.56	84.05	174.60	192.39	3.70	1.97	-6.25	
1186.00	30.75	54.11	1145.11	93.52	187.83	208.64	1.53	1.16	-1.97	
1217.00	31.00	54.11	1171.72	102.84	200.72	224.52	0.81	0.81	0.00	
1248.00	31.31	53.86	1198.25	112.27	213.69	240.53	1.08	1.00	-0.81	
1279.00	31.50	53.74	1224.71	121.81	226.73	256.65	0.65	0.61	-0.39	
1311.00	31.06	53.36	1252.05	131.68	240.09	273.23	1.51	-1.37	-1.19	
1343.00	31.31	53.11	1279.43	141.60	253.37	289.75	0.88	0.78	-0.78	
1374.00	31.56	53.24	1305.88	151.29	266.31	305.88	0.84	0.81	0.42	
1406.00	30.75	53.36	1333.26	161.19	279.58	322.39	2.54	-2.53	0.37	
1438.00	29.94	53.11	1360.88	170.86	292.53	338.51	2.56	-2.53	-0.78	
1470.00	30.19	53.24	1388.58	180.47	305.37	354.50	0.81	0.78	0.41	
1501.00	29.63	54.24	1415.45	189.61	317.83	369.92	2.42	-1.81	3.23	
1533.00	29.69	54.36	1443.25	198.85	330.69	385.73	0.26	0.19	0.37	
1565.00	29.81	54.11	1471.04	208.14	343.57	401.59	0.54	0.37	-0.78	
1596.00	30.06	54.49	1497.90	217.16	356.14	417.03	1.01	0.81	1.23	
1628.00	29.38	56.11	1525.69	226.19	369.18	432.89	3.29	-2.12	5.06	
1659.00	29.31	56.36	1552.71	234.64	381.81	448.08	0.46	-0.23	0.81	
1691.00	29.94	56.24	1580.53	243.42	394.97	463.89	1.98	1.97	-0.37	
1723.00	30.00	56.49	1608.25	252.27	408.28	479.87	0.43	0.19	0.78	
1754.00	30.38	56.36	1635.05	260.89	421.26	495.46	1.24	1.23	-0.42	
1786.00	30.81	56.61	1662.59	269.88	434.84	511.74	1.40	1.34	0.78	
1817.00	30.69	56.36	1689.23	278.63	448.06	527.59	0.57	-0.39	-0.81	
1849.00	31.00	55.86	1716.71	287.78	461.68	543.99	1.26	0.97	-1.56	
1881.00	31.50	55.36	1744.06	297.16	475.38	560.59	1.76	1.56	-1.56	
1913.00	32.00	55.36	1771.28	306.73	489.23	577.41	1.56	1.56	0.00	
1945.00	31.94	55.99	1798.42	316.29	503.22	594.35	1.06	-0.19	1.97	
1976.00	31.88	56.24	1824.74	325.42	516.83	610.73	0.47	-0.19	0.81	
2008.00	31.56	56.61	1851.96	334.73	530.84	627.55	1.17	-1.00	1.16	
2040.00	31.19	56.99	1879.28	343.85	544.78	644.21	1.31	-1.16	1.19	
2072.00	30.56	57.49	1906.74	352.74	558.59	660.63	2.13	-1.97	1.56	
2135.00	29.94	57.49	1961.16	369.79	585.36	692.37	0.98	-0.98	0.00	
2167.00	29.31	57.49	1988.98	378.29	598.70	708.19	1.97	-1.97	0.00	
2199.00	29.56	57.74	2016.85	386.72	611.98	723.91	0.87	0.78	0.78	
2230.00	29.69	57.61	2043.80	394.91	624.93	739.24	0.47	0.42	-0.42	
2262.00	29.44	57.74	2071.63	403.35	638.27	755.03	0.81	-0.78	0.41	
2294.00	29.69	57.36	2099.47	411.83	651.59	770.82	0.98	0.78	-1.19	
2326.00	29.63	57.36	2127.27	420.37	664.93	786.65	0.19	-0.19	0.00	
2357.00	29.69	57.61	2154.21	428.61	677.86	801.99	0.44	0.19	0.81	
2389.00	30.50	57.61	2181.90	437.21	691.41	818.04	2.53	2.53	0.00	
2421.00	30.38	58.11	2209.49	445.83	705.14	834.25	0.88	-0.37	1.56	
2452.00	30.19	58.24	2236.26	454.08	718.42	849.88	0.65	-0.61	0.42	
2484.00	29.88	58.36	2263.96	462.49	732.05	865.90	0.99	-0.97	0.37	
2516.00	29.88	57.86	2291.70	470.91	745.58	881.84	0.78	0.00	-1.56	
2547.00	30.96	57.36	2318.44	479.32	758.84	897.53	3.58	3.48	-1.61	
2579.00	31.13	58.24	2345.85	488.12	772.80	914.04	1.51	0.53	2.75	
2611.00	30.88	57.99	2373.28	496.82	786.80	930.52	0.88	-0.78	-0.78	
2642.00	30.63	58.11	2399.92	505.21	800.25	946.37	0.83	-0.81	0.39	
2674.00	30.06	57.74	2427.54	513.80	813.95	962.54	1.87	-1.78	-1.16	
2706.00	29.63	56.99	2455.29	522.38	827.36	978.46	1.78	-1.34	-2.34	



Weatherford International, Inc.

Survey Report



Weatherford

Company: WILLIAMS PRODUCTION	Date: 11/19/2007	Time: 15:47:08	Page: 3
Field: San Juan County, NM (NAD 83)	Co-ordinate(NE) Reference:	Site: Rosa Unit #261A, True North	
Site: Rosa Unit #261A	Vertical (TVD) Reference:	SITE: 6461.0	
Well: Rosa Unit #261 A	Section (VS) Reference:	Well: (0.00N,0.00E,57.44Azi)	
Wellpath: Actual	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: MWD Surveys

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
2737.00	29.00	56.49	2482.32	530.71	840.05	993.64	2.18	-2.03	-1.61	
2769.00	27.44	56.36	2510.52	539.08	852.66	1008.77	4.88	-4.87	-0.41	
2798.00	26.13	55.24	2536.41	546.42	863.47	1021.83	4.84	-4.52	-3.86	
2830.00	24.56	56.36	2565.33	554.12	874.79	1035.52	5.13	-4.91	3.50	
2893.00	22.13	55.99	2623.16	568.01	895.53	1060.48	3.86	-3.86	-0.59	
2925.00	22.13	56.11	2652.81	574.75	905.53	1072.53	0.14	0.00	0.37	
2957.00	21.88	56.74	2682.48	581.38	915.52	1084.52	1.07	-0.78	1.97	
2988.00	20.88	57.24	2711.34	587.53	925.00	1095.82	3.28	-3.23	1.61	
3020.00	19.06	56.74	2741.42	593.49	934.16	1106.74	5.71	-5.69	-1.56	
3052.00	17.69	55.99	2771.78	599.07	942.56	1116.83	4.34	-4.28	-2.34	
3083.00	16.63	56.11	2801.40	604.18	950.15	1125.97	3.42	-3.42	0.39	
3115.00	15.06	56.24	2832.19	609.04	957.41	1134.71	4.91	-4.91	0.41	
3147.00	14.00	55.74	2863.16	613.53	964.06	1142.73	3.34	-3.31	-1.56	
3179.00	12.88	56.11	2894.29	617.70	970.22	1150.17	3.51	-3.50	1.16	
3210.00	11.84	56.24	2924.57	621.39	975.74	1156.80	3.36	-3.35	0.42	
3242.00	10.38	56.49	2955.97	624.81	980.87	1162.97	4.56	-4.56	0.78	
3274.00	9.19	56.11	2987.50	627.83	985.39	1168.40	3.72	-3.72	-1.19	
3306.00	8.13	55.36	3019.14	630.54	989.38	1173.22	3.33	-3.31	-2.34	
3337.00	6.88	55.86	3049.87	632.83	992.72	1177.27	4.04	-4.03	1.61	
3369.00	5.19	59.24	3081.69	634.64	995.55	1180.63	5.39	-5.28	10.56	
3381.00	4.53	58.91	3093.65	635.16	996.42	1181.65	5.50	-5.50	-2.75	Last MWD Survey
3418.42	2.48	58.14	3131.00	636.35	998.37	1183.93	5.49	-5.49	-2.05	7"
3430.00	1.84	57.56	3142.57	636.59	998.74	1184.37	5.49	-5.49	-5.04	Proj to Bit
3556.00	2.00	57.56	3268.50	638.85	1002.30	1188.59	0.13	0.13	0.00	Last Rig Survey

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
300.00	300.00	9.625	12.250	9 5/8"
3418.42	3131.00	7.000	8.500	7"

Annotation

MD ft	TVD ft	
332.00	332.00	Surface Casing Tie On
386.00	386.00	First MWD Survey
3381.00	3093.65	Last MWD Survey
3430.00	3142.57	Proj to Bit
3556.00	3268.50	Last Rig Survey