



Scientific Drilling

Gyroscopic Survey Report
for
WILLIAMS

30-039-24646

Well Location	SHL: S21-T31N-R5W / BHL: S22-T31N-R5W, Rio Arriba County, NM
Well Name	ROSA UNIT#258A FRT
Rig Name	AZTEC 204
Survey Date	8/13/2008
Latitude	36.89 deg
North Reference	True North
Grid Correction	0.00 deg
Depth Reference	RKB 14 FT
Calculation Method	Minimum Curvature
Section (VS) Ref	0.00N (ft), 0.00E (ft), 0.00Azim (deg)
Definitive Survey	Computed from RU#258.BIN's HighSpeed: InRun
Operator	MATLOCK STANLEY

Comments

Survey ran in 2-7/8" drillpipe from 0-3800'.
Survey referenced to TRUE NORTH and 14' RKB.

RCVD SEP 4 '08

OIL CONS. DIV.

DIST. 3



Scientific Drilling

Survey Report

Well Name: ROSA UNIT#258A FRT
 Survey: Computed from RU#258.BIN's HighSpeed: InRun
 Survey Date: 8/13/2008

MD	Inc	Azim	TVD	VS	Northing	Easting	DLS	Closure Distance	Closure Angle
ft	deg	deg	ft	ft	ft	ft	deg/100ft	ft	deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	Invalid	0.00	0.00
100.00	0.39	84.68	100.00	0.03	0.03	0.34	0.39	0.34	84.68
200.00	0.31	45.46	200.00	0.25	0.25	0.87	0.25	0.91	73.85
300.00	0.51	38.41	299.99	0.79	0.79	1.34	0.21	1.56	59.45
400.00	1.03	53.36	399.99	1.67	1.67	2.34	0.55	2.87	54.35
500.00	3.68	49.37	499.89	4.30	4.30	5.49	2.66	6.97	51.93
600.00	6.41	57.97	599.50	9.35	9.35	12.66	2.82	15.74	53.55
700.00	9.17	60.27	698.56	16.27	16.27	24.32	2.78	29.26	56.22
800.00	11.82	60.19	796.88	25.31	25.31	40.13	2.65	47.45	57.76
900.00	14.51	58.02	894.24	37.04	37.04	59.65	2.73	70.22	58.16
1000.00	17.56	59.01	990.34	51.45	51.45	83.21	3.06	97.83	58.27
1100.00	20.08	59.02	1084.99	68.05	68.05	110.87	2.53	130.09	58.46
1200.00	23.62	60.37	1177.79	86.80	86.80	143.01	3.57	167.29	58.74
1300.00	26.46	60.54	1268.38	107.67	107.67	179.83	2.84	209.60	59.09
1400.00	29.32	58.85	1356.76	131.30	131.30	220.19	2.96	256.36	59.19
1500.00	29.90	58.24	1443.70	157.08	157.08	262.33	0.66	305.77	59.09
1600.00	30.35	58.68	1530.19	183.33	183.33	305.11	0.50	355.95	59.00
1700.00	30.79	59.11	1616.29	209.61	209.61	348.66	0.50	406.81	58.99
1800.00	31.34	59.61	1701.95	235.91	235.91	393.06	0.61	458.42	59.03
1900.00	30.79	59.56	1787.60	262.04	262.04	437.56	0.55	510.02	59.08
2000.00	29.88	59.50	1873.91	287.65	287.65	481.09	0.91	560.53	59.12
2100.00	30.26	60.28	1960.45	312.79	312.79	524.44	0.54	610.63	59.19
2200.00	29.13	59.41	2047.32	337.66	337.66	567.27	1.21	660.16	59.24
2300.00	29.56	59.08	2134.49	362.72	362.72	609.39	0.47	709.17	59.24
2400.00	29.50	56.85	2221.50	388.86	388.86	651.16	1.10	758.44	59.16
2500.00	29.38	57.83	2308.58	415.39	415.39	692.54	0.50	807.57	59.04
2600.00	29.21	59.68	2395.80	440.77	440.77	734.37	0.92	856.49	59.03
2700.00	29.87	59.59	2482.80	465.69	465.69	776.91	0.66	905.79	59.06
2800.00	30.19	59.48	2569.38	491.07	491.07	820.04	0.33	955.83	59.09
2900.00	29.84	59.50	2655.96	516.47	516.47	863.14	0.35	1005.86	59.11
3000.00	30.87	59.00	2742.25	542.31	542.31	906.57	1.06	1056.40	59.11
3100.00	31.74	59.33	2827.69	568.94	568.94	951.19	0.89	1108.36	59.11
3200.00	30.65	59.86	2913.23	595.16	595.16	995.86	1.12	1160.15	59.14
3300.00	29.10	59.45	2999.93	620.32	620.32	1038.85	1.57	1209.97	59.16
3400.00	29.45	59.37	3087.16	645.21	645.21	1080.95	0.35	1258.86	59.17
3500.00	28.49	61.37	3174.65	669.16	669.16	1123.04	1.36	1307.28	59.21
3600.00	27.30	63.83	3263.03	690.70	690.70	1164.56	1.65	1353.98	59.33
3700.00	24.05	65.75	3353.15	709.19	709.19	1203.73	3.36	1397.11	59.50
3800.00	21.80	66.00	3445.24	725.11	725.11	1239.28	2.25	1435.83	59.67

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

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30142		*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code 17033	*Property Name ROSA UNIT		*Well Number 258A
*GRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY		*Elevation 6539'

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
H	21	31N	5W		2320	NORTH	180	EAST	RIO ARriba

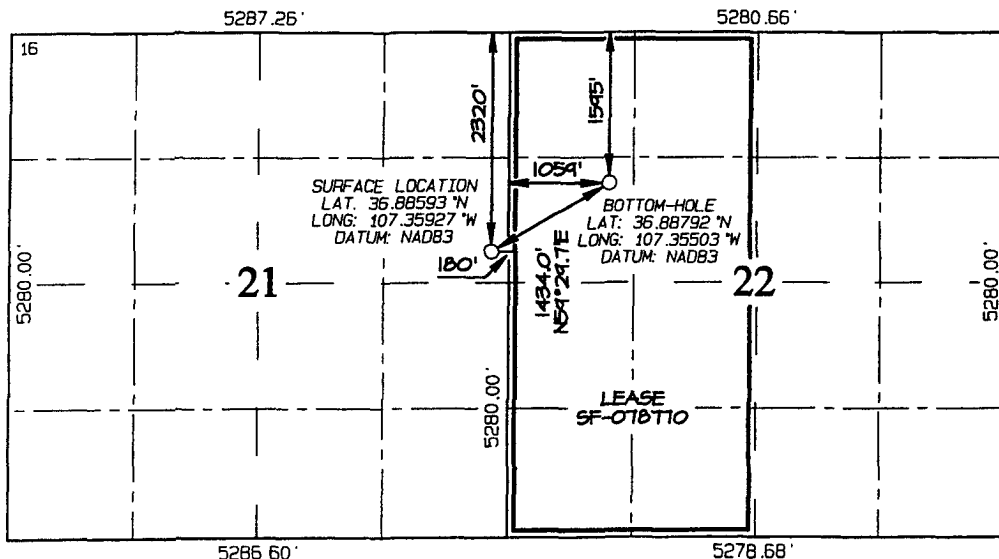
11 Bottom Hole Location If Different From Surface

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	22	31N	5W		1595	NORTH	1059	WEST	RIO ARriba

12 Dedicated Acres 320.0 Acres - W/2	13 Joint or Infall	14 Consolidation Code	15 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

"As DRILLED"



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.

Larry Higgins 8-25-08
Signature Date

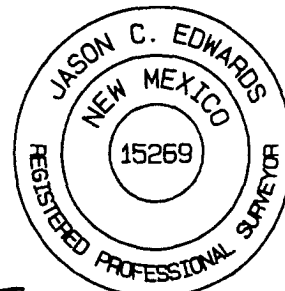
LARRY HIGGINS
Printed Name

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.

Survey Date: DECEMBER 2, 2005

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269