

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NMNM54865
2. Name of Operator SM ENERGY		6. If Indian, Allottee or Tribe Name
Contact: VICKIE MARTINEZ E-Mail: VMARTINEZ@SM-ENERGY.COM		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 3300 N A ST BLDG 7 STE 200 MIDLAND, TX 79705	3b. Phone No. (include area code) Ph: 432-688-1709 Fx: 432-688-1701	8. Well Name and No. PARKWAY 35 FEDERAL COM 6H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 34 T19S R29E NESE 1700FSL 5FEL 32.365247 N Lat, 104.031499 W Lon		9. API Well No. 30-015-41646-00-X1
		10. Field and Pool, or Exploratory PARKWAY
		11. County or Parish, and State EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Upon landing the curve at 7,639 ft, SM Energy's geology has determined that the landing is too low in section. SM Energy Company respectfully requests to plug back to roughly 300 ft above the new KOP of 6,602 ft. A cement plug will be set from the end of the curve at 7,639 ft to 6,300 ft using 900 sxs of class H cement 17.5 lb/gal and 0.94 ft³/sk. Attached is the revised directional plan with the new landing TVD and well path.

Accepted for record
NMOCDTel
10/26/2013

Original COA still applies

RECEIVED

OCT 28 2013

NMOCD ARTESIA

APPROVED

OCT 22 2013

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #224065 verified by the BLM Well Information System

For SM ENERGY, sent to the Carlsbad

Committed to AFMSS for processing by CHRISTOPHER WALLS on 10/22/2013 (14CRW0151SE)

Name (Printed/Typed) VICKIE MARTINEZ

Title ENGINEER TECH II

Signature (Electronic Submission)

Date 10/22/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By EDWARD FERNANDEZ

Title PETROLEUM ENGINEER

Date 10/22/2013

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Carlsbad

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **



SM Energy

Eddy County, NM (NAD 83)

Sec 35, T19S, R29E

Parkway 35 Fed Com #6H

Original Wellbore

Plan: Plan #3

Standard Planning Report

21 October, 2013



Database:	EDM:5000.1 Single User Db	Local Co-ordinate Reference:	Well Parkway 35 Fed Com #6H
Company:	SM Energy	TVD Reference:	WELL @ 3349.0usft (Original Well Elev)
Project:	Eddy County NM (NAD 83)	MD Reference:	WELL @ 3349.0usft (Original Well Elev)
Site:	Sec 35, T19S, R29E	North Reference:	Grid
Well:	Parkway 35 Fed Com #6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Plan #3		

Project:	Eddy County, NM (NAD 83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site:	Sec 35, T19S, R29E		
Site Position:		Northing:	0.00 usft
From:	Map	Easting:	0.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"
		Latitude:	30° 59' 18.404 N
		Longitude:	106° 3' 38.987 W
		Grid Convergence:	-0.89 °

Well:	Parkway 35 Fed Com #6H					
Well Position	+N/-S	587,426.8 usft	Northing:	587,426.78 usft	Latitude:	32° 36' 52.477 N
	+E/-W	627,314.2 usft	Easting:	627,314.20 usft	Longitude:	104° 3' 14.761 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	3,349.0 usft	Ground Level:	3,331.0 usft

Wellbore	Original Wellbore				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/31/2013	7.58	60.41	48,586

Design: Plan #3				
Audit Notes:				
Version:		Phase: PLAN	Tie On Depth:	6,516.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	90.55

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Wellbore:	Original Wellbore		
Design:	Plan #3		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
6,516.0	1.00	335.50	6,515.1	28.9	14.8	0.00	0.00	0.00	0.00	
6,534.0	1.06	335.36	6,533.1	29.2	14.7	0.33	0.33	-0.78	-2.47	
6,602.0	2.48	191.00	6,601.1	28.4	14.2	5.00	2.09	-212.33	-154.82	
7,483.4	87.70	90.84	7,177.5	-3.3	563.7	10.00	9.67	-11.36	-100.25	1000 VS - 7195' TVD
7,920.0	87.70	90.84	7,195.0	-9.7	1,000.0	0.00	0.00	0.00	0.00	1000 VS - 7195' TVD
8,003.9	88.49	90.54	7,197.8	-10.7	1,083.8	1.00	0.94	-0.35	-20.52	2000 VS - 7222' TVD
8,920.4	88.49	90.54	7,222.0	-19.3	1,999.9	0.00	0.00	0.00	0.00	2000 VS - 7222' TVD
9,048.8	87.20	90.56	7,226.8	-20.6	2,128.2	1.00	-1.00	0.01	179.34	2500 VS - 7245' TVD
9,420.9	87.20	90.56	7,245.0	-24.2	2,499.9	0.00	0.00	0.00	0.00	2500 VS - 7245' TVD
9,502.6	86.39	90.55	7,249.6	-25.0	2,581.4	1.00	-1.00	0.00	-179.85	3000 VS - 7276' TVD
9,921.9	86.39	90.55	7,276.0	-29.0	2,999.9	0.00	0.00	0.00	0.00	3000 VS - 7276' TVD
10,043.9	85.17	90.56	7,285.0	-30.2	3,121.6	1.00	-1.00	0.00	179.75	3500 VS - 7317' TVD
10,423.6	85.17	90.56	7,317.0	-33.9	3,499.9	0.00	0.00	0.00	0.00	3500 VS - 7317' TVD
10,598.6	88.66	90.55	7,326.4	-35.6	3,674.6	2.00	2.00	-0.01	-0.21	4000 VS - 7334' TVD
10,923.9	88.66	90.55	7,334.0	-38.7	3,999.8	0.00	0.00	0.00	0.00	4000 VS - 7334' TVD
11,061.9	87.29	90.55	7,338.9	-40.0	4,137.7	1.00	-1.00	0.01	179.66	Parkway 35 Fed #6H
11,423.4	87.29	90.55	7,356.0	-43.5	4,498.8	0.00	0.00	0.00	0.00	4500 VS - 7356' TVD
11,856.1	87.29	90.55	7,376.5	-47.7	4,931.0	0.00	0.00	0.00	0.00	Parkway 35 Fed #6H

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Well:	Parkway 35 Fed Com #6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Plan #3		

Planned 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	
113.0	0.66	0.00	113.0	0.6	0.0	0.0	0.58	0.58	0.00	
Rustler										
155.0	0.90	0.00	155.0	1.2	0.0	0.0	0.58	0.58	0.00	
336.0	1.10	26.70	336.0	4.2	0.8	0.7	0.28	0.11	14.75	
397.0	0.60	29.70	397.0	5.0	1.2	1.2	0.82	-0.82	4.92	
447.1	0.86	102.22	447.1	5.1	1.7	1.6	1.77	0.52	144.69	
Top Salt										
457.0	1.00	108.70	457.0	5.1	1.9	1.8	1.77	1.42	65.57	
517.0	0.50	95.70	517.0	4.9	2.6	2.6	0.88	-0.83	-21.67	
578.0	0.50	52.00	577.9	5.0	3.1	3.0	0.61	0.00	-71.64	
678.0	0.90	72.70	677.9	5.5	4.2	4.1	0.47	0.40	20.70	
773.0	1.20	71.10	772.9	6.1	5.8	5.8	0.32	0.32	-1.68	
869.0	1.10	61.70	868.9	6.8	7.6	7.5	0.22	-0.10	-9.79	
964.0	1.80	49.70	963.9	8.2	9.5	9.5	0.80	0.74	-12.63	
1,060.0	2.30	55.70	1,059.8	10.3	12.3	12.2	0.57	0.52	6.25	
1,156.0	2.00	40.70	1,155.7	12.7	15.0	14.8	0.66	-0.31	-15.63	
1,161.0	1.98	40.48	1,160.7	12.8	15.1	14.9	0.36	-0.32	-4.50	
Base Salt										
1,251.0	1.70	35.70	1,250.7	15.1	16.9	16.7	0.36	-0.32	-5.31	
1,346.2	1.20	17.91	1,345.9	17.2	18.0	17.8	0.70	-0.52	-18.69	
Yates										
1,347.0	1.20	17.70	1,346.7	17.2	18.0	17.8	0.70	-0.44	-26.05	
1,442.0	1.30	34.70	1,441.6	19.0	18.9	18.7	0.40	0.11	17.89	
1,538.0	0.80	69.70	1,537.6	20.1	20.2	20.0	0.82	-0.52	36.46	
1,590.0	1.00	58.70	1,589.6	20.5	20.9	20.7	0.51	0.38	-21.15	
1,715.0	0.70	64.40	1,714.6	21.4	22.5	22.3	0.25	-0.24	4.56	
1,738.5	0.77	65.00	1,738.1	21.5	22.8	22.6	0.31	0.31	2.56	
Capitan										
1,811.0	1.00	66.30	1,810.6	22.0	23.8	23.6	0.31	0.31	1.79	
1,906.0	1.00	57.50	1,905.6	22.8	25.3	25.0	0.16	0.00	-9.26	
2,002.0	0.80	71.00	2,001.6	23.4	26.6	26.4	0.30	-0.21	14.06	
2,097.0	0.70	83.80	2,096.6	23.7	27.8	27.6	0.20	-0.11	13.47	
2,193.0	0.50	110.90	2,192.6	23.6	28.8	28.6	0.36	-0.21	28.23	
2,288.0	0.60	201.60	2,287.6	23.0	29.0	28.8	0.83	0.11	95.47	
2,384.0	1.00	192.10	2,383.5	21.7	28.6	28.4	0.44	0.42	-9.90	
2,479.0	0.90	194.40	2,478.5	20.2	28.3	28.1	0.11	-0.11	2.42	
2,562.8	0.55	193.77	2,562.3	19.2	28.0	27.8	0.42	-0.42	-0.76	
Queen										
2,575.0	0.50	193.60	2,574.5	19.1	28.0	27.8	0.42	-0.42	-1.36	
2,670.0	0.40	124.20	2,669.5	18.5	28.2	28.0	0.55	-0.11	-73.05	
2,766.0	0.40	85.30	2,765.5	18.3	28.8	28.6	0.28	0.00	-40.52	
2,861.0	0.40	73.20	2,860.5	18.4	29.4	29.2	0.09	0.00	-12.74	
2,957.0	0.40	95.60	2,956.5	18.5	30.1	29.9	0.16	0.00	23.33	
3,052.0	0.30	89.80	3,051.5	18.5	30.7	30.5	0.11	-0.11	-6.11	
3,148.0	0.20	93.50	3,147.5	18.5	31.1	30.9	0.11	-0.10	3.85	
3,243.0	0.50	56.30	3,242.5	18.7	31.6	31.4	0.38	0.32	-39.16	
3,365.0	0.40	28.40	3,364.5	19.3	32.2	32.0	0.19	-0.08	-22.87	
3,371.0	0.40	29.87	3,370.5	19.4	32.2	32.1	0.17	-0.03	24.44	
Delaware										
3,460.0	0.40	52.20	3,459.5	19.8	32.6	32.5	0.17	0.00	25.09	
3,556.0	0.20	60.70	3,555.5	20.1	33.1	32.9	0.21	-0.21	8.85	
3,651.0	0.40	48.30	3,650.5	20.4	33.4	33.3	0.22	0.21	-13.05	

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Design:	Plan #3		

Planned 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)	
3,747.0	0.40	70.30	3,746.5	20.8	34.0	33.8	0.16	0.00	22.92	
3,842.0	0.50	76.20	3,841.5	21.0	34.7	34.5	0.12	0.11	6.21	
3,938.0	0.50	78.40	3,937.5	21.2	35.5	35.3	0.02	0.00	2.29	
4,033.0	0.50	98.60	4,032.5	21.2	36.4	36.2	0.18	0.00	21.26	
4,035.2	0.51	98.04	4,034.7	21.2	36.4	36.2	0.36	0.28	-24.89	
Brushy Canyon										
4,129.0	0.80	83.30	4,128.5	21.2	37.4	37.2	0.36	0.31	-15.72	
4,224.0	0.70	65.20	4,223.5	21.5	38.6	38.4	0.27	-0.11	-19.05	
4,320.0	1.10	53.30	4,319.5	22.3	39.9	39.7	0.46	0.42	-12.40	
4,416.0	0.70	125.40	4,415.5	22.5	41.1	40.9	1.15	-0.42	75.10	
4,511.0	0.60	136.40	4,510.4	21.8	41.9	41.7	0.17	-0.11	11.58	
4,606.0	0.60	104.50	4,605.4	21.3	42.8	42.5	0.35	0.00	-33.58	
4,702.0	0.30	321.80	4,701.4	21.4	43.1	42.9	0.89	-0.31	-148.65	
4,797.0	0.40	321.70	4,796.4	21.9	42.7	42.5	0.11	0.11	-0.11	
4,892.0	0.50	340.50	4,891.4	22.5	42.4	42.2	0.19	0.11	19.79	
4,988.0	0.60	280.80	4,987.4	23.0	41.8	41.5	0.58	0.10	-62.19	
5,083.0	0.70	277.20	5,082.4	23.2	40.7	40.5	0.11	0.11	-3.79	
5,179.0	0.80	276.80	5,178.4	23.3	39.4	39.2	0.10	0.10	-0.42	
5,274.0	1.00	281.20	5,273.4	23.6	38.0	37.7	0.22	0.21	4.63	
5,370.0	1.20	276.40	5,369.4	23.8	36.1	35.9	0.23	0.21	-5.00	
5,465.0	1.10	288.70	5,464.4	24.2	34.3	34.1	0.28	-0.11	12.95	
5,561.0	1.10	291.70	5,560.4	24.9	32.6	32.3	0.06	0.00	3.13	
5,656.0	1.00	247.20	5,655.3	24.9	31.0	30.7	0.84	-0.11	-46.84	
5,751.1	1.20	247.99	5,750.4	24.2	29.3	29.0	0.21	0.21	0.83	
Bone Spring										
5,752.0	1.20	248.00	5,751.3	24.2	29.3	29.0	0.21	0.21	0.70	
5,847.0	1.20	253.70	5,846.3	23.5	27.4	27.1	0.13	0.00	6.00	
5,943.0	1.10	256.00	5,942.3	23.0	25.5	25.3	0.11	-0.10	2.40	
6,038.0	1.10	267.00	6,037.3	22.8	23.7	23.5	0.22	0.00	11.58	
6,134.0	1.30	281.70	6,133.2	22.9	21.7	21.5	0.38	0.21	15.31	
6,229.0	1.30	282.10	6,228.2	23.4	19.6	19.4	0.01	0.00	0.42	
6,325.0	1.70	309.00	6,324.2	24.5	17.5	17.2	0.83	0.42	28.02	
6,421.0	1.80	337.30	6,420.1	26.8	15.8	15.5	0.90	0.10	29.48	
6,516.0	1.00	335.50	6,515.1	28.9	14.8	14.6	0.84	-0.84	-1.89	
Tie-On Point										
6,534.0	1.06	335.36	6,533.1	29.2	14.7	14.4	0.33	0.33	-0.78	
KOP_BLD 5°/100										
6,602.0	2.48	191.00	6,601.1	28.4	14.2	13.9	5.00	2.09	-212.33	
BLD_BLD 10°/100										
6,650.0	5.00	119.94	6,649.0	26.3	15.8	15.5	10.00	5.24	-148.01	
6,700.0	9.67	105.23	6,698.6	24.1	21.7	21.5	10.00	9.35	-29.42	
6,750.0	14.56	100.19	6,747.5	21.9	32.0	31.8	10.00	9.78	-10.09	
6,800.0	19.51	97.65	6,795.3	19.7	46.4	46.2	10.00	9.89	-5.07	
6,850.0	24.47	96.11	6,841.6	17.4	65.0	64.8	10.00	9.93	-3.08	
6,900.0	29.45	95.07	6,886.2	15.3	87.6	87.4	10.00	9.96	-2.09	
6,950.0	34.44	94.30	6,928.6	13.1	113.9	113.8	10.00	9.97	-1.53	
7,000.0	39.42	93.71	6,968.5	11.0	143.9	143.8	10.00	9.97	-1.18	
7,050.0	44.41	93.23	7,005.7	9.0	177.2	177.1	10.00	9.98	-0.96	
7,100.0	49.40	92.83	7,039.9	7.1	213.7	213.6	10.00	9.98	-0.80	
7,150.0	54.40	92.49	7,070.7	5.3	253.0	252.9	10.00	9.99	-0.69	
7,200.0	59.39	92.18	7,098.0	3.5	294.8	294.8	10.00	9.99	-0.61	
7,209.0	60.29	92.13	7,102.5	3.3	302.6	302.5	10.00	9.99	-0.57	
1st Bone Spring Sand										

Database:	EDM:5000.1 Single User Db	Local Co-ordinate Reference:	Well Parkway 35 Fed.Com #6H
Company:	SM Energy	TVD Reference:	WELL @ 3349.0usft (Original Well Elev)
Project:	Eddy County, NM (NAD 83)	MD Reference:	WELL @ 3349.0usft (Original Well Elev)
Site:	Sec 35, T19S, R29E	North Reference:	Grid
Well:	Parkway 35 Fed.Com #6H	Survey/Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Plan #3		

Planned 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)	
7,250.0	64.38	91.91	7,121.6	2.0	338.9	338.8	10.00	9.99	-0.54	
7,300.0	69.38	91.66	7,141.2	0.5	384.8	384.8	10.00	9.99	-0.50	
7,350.0	74.37	91.42	7,156.7	-0.7	432.3	432.3	10.00	9.99	-0.47	
7,400.0	79.37	91.20	7,168.1	-1.8	481.0	481.0	10.00	9.99	-0.45	
7,450.0	84.36	90.98	7,175.2	-2.8	530.4	530.4	10.00	9.99	-0.44	
7,452.5	84.61	90.97	7,175.4	-2.8	532.9	532.9	10.00	9.99	-0.43	
Tgt Line 7.154' @ 2.3° VS w/ 1.1° Dwndip										
7,483.4	87.70	90.84	7,177.5	-3.3	563.7	563.7	10.00	9.99	-0.43	
EOC_HLD 87.7° Inc.										
7,500.0	87.70	90.84	7,178.1	-3.5	580.3	580.3	0.00	0.00	0.00	
7,600.0	87.70	90.84	7,182.2	-5.0	680.2	680.3	0.00	0.00	0.00	
7,700.0	87.70	90.84	7,186.2	-6.5	780.1	780.2	0.00	0.00	0.00	
7,800.0	87.70	90.84	7,190.2	-7.9	880.1	880.1	0.00	0.00	0.00	
7,900.0	87.70	90.84	7,194.2	-9.4	980.0	980.0	0.00	0.00	0.00	
7,920.0	87.70	90.84	7,195.0	-9.7	1,000.0	1,000.0	0.00	0.00	0.00	
EOH_BLD 1°/100										
8,003.9	88.49	90.54	7,197.8	-10.7	1,083.8	1,083.9	1.00	0.94	-0.35	
EOB_HLD 88.49° Inc.										
8,100.0	88.49	90.54	7,200.3	-11.6	1,179.9	1,179.9	0.00	0.00	0.00	
8,200.0	88.49	90.54	7,203.0	-12.5	1,279.8	1,279.9	0.00	0.00	0.00	
8,300.0	88.49	90.54	7,205.6	-13.5	1,379.8	1,379.8	0.00	0.00	0.00	
8,400.0	88.49	90.54	7,208.3	-14.4	1,479.7	1,479.8	0.00	0.00	0.00	
8,500.0	88.49	90.54	7,210.9	-15.4	1,579.7	1,579.8	0.00	0.00	0.00	
8,600.0	88.49	90.54	7,213.5	-16.3	1,679.7	1,679.7	0.00	0.00	0.00	
8,700.0	88.49	90.54	7,216.2	-17.3	1,779.6	1,779.7	0.00	0.00	0.00	
8,800.0	88.49	90.54	7,218.8	-18.2	1,879.6	1,879.7	0.00	0.00	0.00	
8,900.0	88.49	90.54	7,221.5	-19.1	1,979.5	1,979.6	0.00	0.00	0.00	
8,920.4	88.49	90.54	7,222.0	-19.3	1,999.9	2,000.0	0.00	0.00	0.00	
EOH_DRP 1°/100										
9,000.0	87.69	90.55	7,224.7	-20.1	2,079.5	2,079.6	1.00	-1.00	0.01	
9,048.8	87.20	90.56	7,226.8	-20.6	2,128.2	2,128.3	1.00	-1.00	0.01	
EOD_HLD 87.2° Inc.										
9,100.0	87.20	90.56	7,229.3	-21.1	2,179.4	2,179.5	0.00	0.00	0.00	
9,200.0	87.20	90.56	7,234.2	-22.0	2,279.2	2,279.3	0.00	0.00	0.00	
9,300.0	87.20	90.56	7,239.1	-23.0	2,379.1	2,379.2	0.00	0.00	0.00	
9,400.0	87.20	90.56	7,244.0	-24.0	2,479.0	2,479.1	0.00	0.00	0.00	
9,420.9	87.20	90.56	7,245.0	-24.2	2,499.9	2,500.0	0.00	0.00	0.00	
EOH_DRP 2°/100										
9,502.6	86.39	90.55	7,249.6	-25.0	2,581.4	2,581.5	1.00	-1.00	0.00	
EOD_HLD 86.39° Inc.										
9,600.0	86.39	90.55	7,255.7	-25.9	2,678.6	2,678.8	0.00	0.00	0.00	
9,700.0	86.39	90.55	7,262.0	-26.9	2,778.4	2,778.6	0.00	0.00	0.00	
9,800.0	86.39	90.55	7,268.3	-27.8	2,878.2	2,878.4	0.00	0.00	0.00	
9,900.0	86.39	90.55	7,274.6	-28.8	2,978.0	2,978.2	0.00	0.00	0.00	
9,921.9	86.39	90.55	7,276.0	-29.0	2,999.9	3,000.0	0.00	0.00	0.00	
EOH_DRP 1°/100										
10,000.0	85.60	90.56	7,281.5	-29.8	3,077.8	3,077.9	1.00	-1.00	0.00	
10,043.9	85.17	90.56	7,285.0	-30.2	3,121.6	3,121.7	1.00	-1.00	0.00	
EOD_HLD 85.17° Inc.										
10,100.0	85.17	90.56	7,289.7	-30.7	3,177.4	3,177.6	0.00	0.00	0.00	
10,200.0	85.17	90.56	7,298.1	-31.7	3,277.1	3,277.2	0.00	0.00	0.00	
10,300.0	85.17	90.56	7,306.6	-32.7	3,376.7	3,376.9	0.00	0.00	0.00	

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Parkway 35 Fed.Com #6H
Company:	SM Energy	TVD Reference:	WELL @ 3349.0usft (Original Well Elev)
Project:	Eddy County, NM (NAD 83)	MD Reference:	WELL @ 3349.0usft (Original Well Elev)
Site:	Sec 35, T19S, R29E	North Reference:	Grid
Well:	Parkway 35 Fed.Com #6H	Survey/Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Plan #3		

Planned 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)
10,400.0	85.17	90.56	7,315.0	-33.7	3,476.4	3,476.5	0.00	0.00	0.00
10,423.6	85.17	90.56	7,317.0	-33.9	3,499.9	3,500.1	0.00	0.00	0.00
EOH_BLD 2°/100									
10,500.0	86.69	90.55	7,322.4	-34.6	3,576.1	3,576.2	2.00	2.00	-0.01
10,598.6	88.66	90.55	7,326.4	-35.6	3,674.6	3,674.8	2.00	2.00	-0.01
EOB_HLD 88.66° Inc									
10,600.0	88.66	90.55	7,326.4	-35.6	3,676.0	3,676.2	0.00	0.00	0.00
10,700.0	88.66	90.55	7,328.8	-36.6	3,776.0	3,776.1	0.00	0.00	0.00
10,800.0	88.66	90.55	7,331.1	-37.5	3,875.9	3,876.1	0.00	0.00	0.00
10,900.0	88.66	90.55	7,333.4	-38.5	3,975.9	3,976.1	0.00	0.00	0.00
10,923.9	88.66	90.55	7,334.0	-38.7	3,999.8	4,000.0	0.00	0.00	0.00
EOH_DRP 1°/100									
11,000.0	87.90	90.55	7,336.3	-39.4	4,075.8	4,076.0	1.00	-1.00	0.01
11,061.9	87.29	90.55	7,338.9	-40.0	4,137.7	4,137.9	1.00	-1.00	0.01
EOO_HLD 87.28° Inc									
11,100.0	87.29	90.55	7,340.7	-40.4	4,175.7	4,175.9	0.00	0.00	0.00
11,200.0	87.29	90.55	7,345.4	-41.4	4,275.6	4,275.8	0.00	0.00	0.00
11,300.0	87.29	90.55	7,350.1	-42.3	4,375.5	4,375.7	0.00	0.00	0.00
11,400.0	87.29	90.55	7,354.9	-43.3	4,475.4	4,475.6	0.00	0.00	0.00
11,423.4	87.29	90.55	7,356.0	-43.5	4,498.8	4,499.0	0.00	0.00	0.00
Cont_HLD 87.28° Inc									
11,500.0	87.29	90.55	7,359.6	-44.3	4,575.3	4,575.5	0.00	0.00	0.00
11,600.0	87.29	90.55	7,364.4	-45.2	4,675.2	4,675.4	0.00	0.00	0.00
11,700.0	87.29	90.55	7,369.1	-46.2	4,775.0	4,775.3	0.00	0.00	0.00
11,800.0	87.29	90.55	7,373.8	-47.2	4,874.9	4,875.2	0.00	0.00	0.00
11,856.1	87.29	90.55	7,376.5	-47.7	4,931.0	4,931.2	0.00	0.00	0.00
TD at 11856.1									

Database:	EDM 5000.1 Single User Db	Local/Co-ordinate Reference:	Well Parkway 35 Fed Com #6H
Company:	SM Energy	TVD Reference:	WELL @ 3349.0usft (Original Well Elev)
Project:	Eddy County NM (NAD 83)	MD Reference:	WELL @ 3349.0usft (Original Well Elev)
Site:	Sec 35, T19S, R29E	North Reference:	Grid
Well:	Parkway 35 Fed Com #6H	Survey/Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Plan #3		

Design Targets									
Target Name	hit/miss target	Dip Angle	Dip Dir	TVD	+N/-S	+E/-W	Northing	Easting	
Shape		(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	
									Latitude Longitude
500 VS - 7174' TVD		0.00	0.00	7,174.0	-5.2	500.5	587,421.53	627,814.70	32° 36' 52.412 N 104° 3' 8.910 W
- plan misses target center by 4.0usft at 7420.2usft MD (7171.5 TVD, -2.2 N, 500.9 E)									
- Point									
1000 VS - 7195' TVD		0.00	0.00	7,195.0	-9.7	1,000.0	587,417.11	628,314.16	32° 36' 52.355 N 104° 3' 3.070 W
- plan hits target center									
- Point									
2000 VS - 7222' TVD		0.00	0.00	7,222.0	-19.3	1,999.9	587,407.44	629,314.11	32° 36' 52.233 N 104° 2' 51.379 W
- plan hits target center									
- Point									
2500 VS - 7245' TVD		0.00	0.00	7,245.0	-24.2	2,499.9	587,402.60	629,814.08	32° 36' 52.172 N 104° 2' 45.534 W
- plan hits target center									
- Point									
3000 VS - 7276' TVD		0.00	0.00	7,276.0	-29.0	2,999.9	587,397.76	630,314.06	32° 36' 52.110 N 104° 2' 39.688 W
- plan hits target center									
- Point									
3500 VS - 7317' TVD		0.00	0.00	7,317.0	-33.9	3,499.9	587,392.88	630,814.10	32° 36' 52.049 N 104° 2' 33.842 W
- plan hits target center									
- Point									
4000 VS - 7334' TVD		0.00	0.00	7,334.0	-38.7	3,999.8	587,388.09	631,314.01	32° 36' 51.988 N 104° 2' 27.997 W
- plan hits target center									
- Point									
4500 VS - 7356' TVD		0.00	0.01	7,356.0	-43.5	4,498.8	587,383.28	631,813.00	32° 36' 51.926 N 104° 2' 22.163 W
- plan hits target center									
- Point									
Parkway 35 Fed #6H PE		0.00	0.00	7,376.5	-47.7	4,931.0	587,379.08	632,245.20	32° 36' 51.873 N 104° 2' 17.110 W
- plan hits target center									
- Point									

Formations					
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction
(usft)	(usft)			(°)	(°)
113.0	113.0	Rustler		2.75	90.55
447.1	447.1	Top Salt		2.75	90.55
1,161.0	1,160.7	Base Salt		2.75	90.55
1,346.2	1,345.9	Yates		2.75	90.55
1,738.5	1,738.1	Capitan		2.75	90.55
2,562.8	2,562.3	Queen		2.75	90.55
3,371.0	3,370.5	Delaware		2.75	90.55
4,035.2	4,034.7	Brushy Canyon		2.75	90.55
5,751.1	5,750.4	Bone Spring		2.75	90.55
7,209.0	7,102.5	1st Bone Spring Sand		2.75	90.55
7,452.5	7,175.4	Tgt Line 7154' @ 2.3 VS w/ 1.1° Dwndip		2.30	90.55

Database:	EDM 5000.1 Single User.Db	Local Co-ordinate Reference:	Well Parkway 35 Fed Com #6H
Company:	SM Energy	TVD Reference:	WELL @ 3349.0usft (Original Well Elev)
Project:	Eddy County, NM (NAD 83)	MD Reference:	WELL @ 3349.0usft (Original Well Elev)
Site:	Sec 35, T.19S, R.29E	North Reference:	Grid
Well:	Parkway 35 Fed Com #6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Plan #3		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
6,516.0	6,515.1	28.9	14.8	Tie-On Point
6,534.0	6,533.1	29.2	14.7	KOP_BLD 5°/100
6,602.0	6,601.1	28.4	14.2	BLD_BLD 10°/100
7,483.4	7,177.5	-3.3	563.7	EOC_HLD 87.7° Inc.
7,920.0	7,195.0	-9.7	1,000.0	EOH_BLD 1°/100
8,003.9	7,197.8	-10.7	1,083.8	EOB_HLD 88.49° Inc.
8,920.4	7,222.0	-19.3	1,999.9	EOH_DRP 1°/100
9,048.8	7,226.8	-20.6	2,128.2	EOD_HLD 87.2° Inc.
9,420.9	7,245.0	-24.2	2,499.9	EOH_DRP 2°/100
9,502.6	7,249.6	-25.0	2,581.4	EOD_HLD 86.39° Inc.
9,921.9	7,276.0	-29.0	2,999.9	EOH_DRP 1°/100
10,043.9	7,285.0	-30.2	3,121.6	EOD_HLD 85.17° Inc.
10,423.6	7,317.0	-33.9	3,499.9	EOH_BLD 2°/100
10,598.6	7,326.4	-35.6	3,674.6	EOB_HLD 88.66° Inc.
10,923.9	7,334.0	-38.7	3,999.8	EOH_DRP 1°/100
11,061.9	7,338.9	-40.0	4,137.7	EOD_HLD 87.28° Inc.
11,423.4	7,356.0	-43.5	4,498.8	Cont_HLD 87.28° Inc.
11,856.1	7,376.5	-47.7	4,931.0	TD at 11856.1