

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-103
Revised March 25, 1999

WELL API NO. 30-015-33324
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: Karlsbad Corral 2 State
8. Well No. 1-H
8. Pool name or Wildcat Corral Canyon Deleware, NE NW 96464
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 3053' GR

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:
Oil Well ☒ X Gas Well ☐ Other ☐

2. Name of Operator
Southwestern Energy Production Company

3. Address of Operator
2350 N. Sam Houston Parkway East, Suite 300 - Houston, TX 77032

4. Well Location

RECEIVED

JUN 09 2004

COB-ARTESIA

Unit Letter O : 330 feet from the S line and 1980 feet from the E line

Section 2 Township 25S Range 29E NMPM Eddy County

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐	REMEDIAL WORK ☐ ALTERING CASING ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐	CASING TEST AND CEMENT JOB ☒
OTHER: ☐	OTHER: REVISED PER BRYAN ARRANT ON 06/07/04 ☒

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

04/18/2004 thru 04/28/2004

Drl to 5679'. Run 130 jts 7" 23#, J-55 LT&C csg to 5679'. Cmt w/235 sx Class C. Tail w/90 sx Class C. TOC @ 3200', calculated. WOC. Tst csg 30 minutes 1500#. OK.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Vonnie J. Cerran TITLE Drilling Technician DATE 06/07/04
Type or print name Vonnie J. Cerran Telephone No. 281-618-4739
(This space for State use)

APPROVED BY FOR RECORDS ONLY TITLE DATE
Conditions of approval, if any:

JUN 10 2004

KARLSBAD
Pathfinder 0.00 (deg/100ft)

Survey Report

Calculated using the Minimum Curvature Method
Computed using PDS VER2.2.6
Vertical Section Plane: 359.84 deg.

Survey Reference: WELLHEAD
Reference World Coordinates: Lat. 32.9.10 N - Lon. 103.57.9 W
Reference GRID System: LAMBERT Zone: Texas Central
Reference GRID Coordinates: 879936.71 X 922437.68 Y
North Aligned to: GRID NORTH
Vertical Section Reference: WELLHEAD
Closure Reference: WELLHEAD
TVD Reference: WELLHEAD

SOUTHWESTERN
KALSBAD CORRAL "2" #1H
EDDY COUNTY, NM
RIG: GREYWOLF #15

DECL: 8.575° EAST TO GRID
KBH = 20' ROTARY TO GROUND

PES OFFICE SUPERVISOR:
GLENN COYLE

PES FIELD ENGINEERS:
C. HODGES / P. OKIMI / P. CAPPELLA / M. FLOWERS / Y. SAMPSON

Page 1
Job No: J-WT-0404-0037
Date: 5/6/2004
Time: 9:34 am
Wellpath ID: KALSBAD CORRAL "2" #1H
Date Created: 4/22/2004
Last Revision: 5/4/2004

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	T O T A L Rectangular Offsets (ft)		Closure Dist. Dir. (ft) (deg.)		DLS (dg/100ft)
The following are Scientific Drilling Surveys.										
0.00	0.00	359.80	0.00	0.00	0.00	0.00 N	0.00 E	0.00 @ 0.00	0.00	
100.00	0.61	122.78	100.00	100.00	-0.29	0.29 S	0.45 E	0.53 @ 122.78	0.61	
200.00	1.36	100.07	199.98	100.00	-0.79	0.78 S	2.06 E	2.21 @ 110.80	0.83	
300.00	2.12	102.37	299.94	100.00	-1.40	1.39 S	5.04 E	5.23 @ 105.40	0.76	
400.00	2.13	102.90	399.87	100.00	-2.22	2.20 S	8.66 E	8.93 @ 104.25	0.02	
500.00	1.76	104.32	499.81	100.00	-3.03	2.99 S	11.96 E	12.33 @ 104.06	0.37	
600.00	1.34	88.87	599.77	100.00	-3.39	3.35 S	14.61 E	14.99 @ 102.91	0.59	
700.00	1.12	86.80	699.75	100.00	-3.32	3.27 S	16.76 E	17.07 @ 101.05	0.22	
800.00	0.84	91.43	799.74	100.00	-3.29	3.24 S	18.47 E	18.75 @ 99.94	0.29	

KARLSBAD

900.00	0.49	130.30	899.73	100.00	-3.59	3.53 S	19.53 E	19.84 @ 100.25	0.55
1000.00	0.83	186.91	999.72	100.00	-4.58	4.53 S	19.76 E	20.28 @ 102.90	0.69
1100.00	1.60	189.73	1099.70	100.00	-6.68	6.62 S	19.44 E	20.54 @ 108.81	0.77
1200.00	1.95	192.46	1199.65	100.00	-9.71	9.66 S	18.84 E	21.17 @ 117.15	0.36
1300.00	2.46	198.15	1299.58	100.00	-13.41	13.36 S	17.80 E	22.26 @ 126.89	0.55
1400.00	3.26	203.79	1399.45	100.00	-18.05	18.00 S	15.99 E	24.08 @ 138.39	0.85
1500.00	3.43	202.49	1499.28	100.00	-23.40	23.37 S	13.70 E	27.08 @ 149.62	0.19
1600.00	3.65	197.41	1599.09	100.00	-29.20	29.17 S	11.60 E	31.39 @ 158.31	0.38
1700.00	3.87	195.75	1698.88	100.00	-35.48	35.45 S	9.73 E	36.76 @ 164.65	0.25
1800.00	4.26	194.87	1798.62	100.00	-42.31	42.29 S	7.86 E	43.02 @ 169.47	0.39
1900.00	4.96	200.79	1898.30	100.00	-49.94	49.92 S	5.37 E	50.21 @ 173.86	0.85
2000.00	6.38	217.58	1997.82	100.00	-58.37	58.37 S	0.45 E	58.37 @ 179.56	2.17
2100.00	7.29	228.87	2097.11	100.00	-66.92	66.95 S	7.72 W	67.39 @ 186.58	1.62
2200.00	6.44	234.58	2196.39	100.00	-74.32	74.37 S	17.07 W	76.30 @ 192.92	1.09
2300.00	4.66	235.79	2295.92	100.00	-79.83	79.90 S	25.00 W	83.72 @ 197.37	1.78
2400.00	3.30	242.56	2395.68	100.00	-83.43	83.51 S	30.91 W	89.05 @ 200.31	1.44
2500.00	2.36	247.29	2495.55	100.00	-85.54	85.64 S	35.36 W	92.65 @ 202.44	0.97
2600.00	1.30	199.60	2595.51	100.00	-87.39	87.50 S	37.64 W	95.25 @ 203.28	1.77

Pathfinder

Survey Report

Page 2
Date: 5/6/2004
Wellpath ID: KARLSBAD CORRAL "2" #1H

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	T O T A L Rectangular Offsets (ft)	Closure Dist. (ft)	Dir. (deg.)	DLS (dg/100ft)
2700.00	1.41	162.73	2695.48	100.00	-89.64	89.74 S	97.32 @ 202.77		0.86
2800.00	1.94	139.93	2795.44	100.00	-92.11	92.21 S	99.07 @ 201.44		0.84
2900.00	3.52	134.12	2895.32	100.00	-95.55	95.65 S	101.15 @ 198.99		1.60
3000.00	5.16	130.37	2995.03	100.00	-100.62	100.70 S	104.33 @ 195.16		1.66
3100.00	4.23	132.52	3094.69	100.00	-106.04	106.10 S	108.19 @ 191.27		0.95
3200.00	2.73	144.33	3194.51	100.00	-110.48	110.53 S	111.83 @ 188.76		1.65
3300.00	2.24	152.39	3294.41	100.00	-114.15	114.19 S	115.14 @ 187.35		0.60
3400.00	2.18	153.43	3394.34	100.00	-117.59	117.63 S	118.34 @ 186.30		0.07
3500.00	2.00	155.15	3494.27	100.00	-120.88	120.91 S	121.45 @ 185.38		0.19
3600.00	1.72	155.73	3594.22	100.00	-123.83	123.86 S	124.27 @ 184.64		0.28
3700.00	1.43	158.08	3694.18	100.00	-126.36	126.39 S	126.71 @ 184.06		0.30
3800.00	1.22	159.14	3794.16	100.00	-128.52	128.54 S	128.80 @ 183.61		0.21

KARLSBAD									
3900.00	1.13	169.06	3894.13	100.00	-130.48	130.50 S	7.55 W	130.72 @ 183.31	0.22
4000.00	1.09	165.17	3994.12	100.00	-132.37	132.39 S	7.12 W	132.58 @ 183.08	0.09
4100.00	0.94	169.86	4094.10	100.00	-134.10	134.12 S	6.73 W	134.29 @ 182.87	0.17
4200.00	0.99	178.01	4194.09	100.00	-135.77	135.79 S	6.56 W	135.95 @ 182.76	0.15
4300.00	0.73	183.31	4294.07	100.00	-137.27	137.29 S	6.56 W	137.45 @ 182.74	0.27
4400.00	0.55	184.31	4394.07	100.00	-138.38	138.40 S	6.64 W	138.56 @ 182.75	0.18
4500.00	0.47	177.05	4494.06	100.00	-139.27	139.29 S	6.65 W	139.45 @ 182.73	0.10
Tied into Scientific Drilling Survey @ 4,590' MD.									
4590.00	0.55	200.77	4584.06	90.00	-140.04	140.06 S	6.79 W	140.23 @ 182.77	0.25
The following are Pathfinder MWD Surveys.									
4706.00	0.62	176.97	4700.05	116.00	-141.19	141.21 S	6.95 W	141.38 @ 182.82	0.22
4727.00	0.35	182.51	4721.05	21.00	-141.37	141.39 S	6.95 W	141.56 @ 182.81	1.30
4759.00	0.62	180.84	4753.05	32.00	-141.64	141.66 S	6.95 W	141.83 @ 182.81	0.84
4791.00	0.35	203.69	4785.05	32.00	-141.90	141.92 S	7.00 W	142.09 @ 182.82	1.02
4823.00	0.44	177.15	4817.05	32.00	-142.11	142.13 S	7.03 W	142.31 @ 182.83	0.63
4855.00	0.53	333.60	4849.05	32.00	-142.10	142.12 S	7.09 W	142.30 @ 182.86	2.97
4886.00	3.52	355.22	4880.03	31.00	-141.03	141.05 S	7.23 W	141.23 @ 182.94	9.79
4918.00	7.30	355.57	4911.88	32.00	-138.02	138.04 S	7.47 W	138.24 @ 183.10	11.81
4950.00	10.82	356.97	4943.48	32.00	-132.99	133.01 S	7.79 W	133.24 @ 183.35	11.02
4982.00	14.60	358.64	4974.69	32.00	-125.96	125.98 S	8.04 W	126.24 @ 183.65	11.87
5013.00	17.67	359.79	5004.46	31.00	-117.34	117.37 S	8.15 W	117.65 @ 183.97	9.96
5045.00	21.28	0.05	5034.63	32.00	-106.68	106.70 S	8.16 W	107.01 @ 184.38	11.28
5077.00	24.71	0.49	5064.08	32.00	-94.18	94.20 S	8.10 W	94.55 @ 184.92	10.73
5109.00	28.23	0.84	5092.72	32.00	-79.92	79.94 S	7.93 W	80.33 @ 185.67	11.01
5135.00	31.30	1.19	5115.29	26.00	-67.02	67.04 S	7.70 W	67.48 @ 186.56	11.83
5167.00	35.35	2.77	5142.02	32.00	-49.45	49.47 S	7.08 W	49.98 @ 188.15	12.94
5199.00	39.22	1.72	5167.47	32.00	-30.09	30.11 S	6.33 W	30.76 @ 191.88	12.26
5230.00	43.70	2.07	5190.70	31.00	-9.58	9.60 S	5.65 W	11.14 @ 210.49	14.47
5261.00	47.92	2.60	5212.30	31.00	12.62	12.61 N	4.74 W	13.47 @ 339.39	13.67
5292.00	52.14	2.77	5232.21	31.00	36.34	36.33 N	3.63 W	36.51 @ 354.30	13.62
5324.00	56.63	2.51	5250.84	32.00	62.32	62.31 N	2.43 W	62.36 @ 357.77	14.05
5356.00	61.11	2.51	5267.38	32.00	89.67	89.67 N	1.23 W	89.68 @ 359.21	14.00
5387.00	65.51	2.69	5281.30	31.00	117.33	117.33 N	0.02 E	117.33 @ 0.01	14.20
5419.00	69.64	2.42	5293.51	32.00	146.87	146.88 N	1.34 E	146.88 @ 0.52	12.93
5451.00	74.04	2.16	5303.48	32.00	177.24	177.25 N	2.56 E	177.27 @ 0.83	13.77
5483.00	77.73	1.72	5311.28	32.00	208.25	208.26 N	3.61 E	208.29 @ 0.99	11.61
5514.00	78.26	1.54	5317.73	31.00	238.56	238.57 N	4.47 E	238.61 @ 1.07	1.80

KARLSBAD
Pathfinder

Survey Report

Wellpath ID: KALSBAD

Page 3
Date: 5/6/2004
CORRAL "2" #1H

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	T O T A L Rectangular Offsets (ft)		Closure Dist. (ft)	Dir. (deg.)	DLS (dg/100ft)
5546.00	78.61	1.19	5324.14	32.00	269.90	269.91 N	5.21 E	269.96 @	1.11	1.53
5578.00	78.26	0.58	5330.56	32.00	301.24	301.26 N	5.70 E	301.31 @	1.08	2.16
5610.00	78.26	0.31	5337.07	32.00	332.57	332.59 N	5.94 E	332.64 @	1.02	0.83
5641.00	81.34	1.54	5342.56	31.00	363.07	363.09 N	6.44 E	363.15 @	1.02	10.68
5704.00	83.54	3.57	5350.85	63.00	425.45	425.47 N	9.22 E	425.57 @	1.24	4.73
5736.00	86.09	3.21	5353.74	32.00	457.25	457.28 N	11.11 E	457.42 @	1.39	8.05
5768.00	87.49	3.48	5355.53	32.00	489.14	489.18 N	12.97 E	489.35 @	1.52	4.46
5799.00	90.31	3.21	5356.13	31.00	520.07	520.12 N	14.78 E	520.33 @	1.63	9.14
5831.00	93.21	2.25	5355.15	32.00	552.01	552.06 N	16.30 E	552.30 @	1.69	9.55
5863.00	93.56	2.25	5353.26	32.00	583.93	583.98 N	17.56 E	584.25 @	1.72	1.09
5895.00	93.83	2.16	5351.19	32.00	615.84	615.89 N	18.79 E	616.18 @	1.75	0.89
5927.00	94.35	2.86	5348.91	32.00	647.72	647.78 N	20.18 E	648.09 @	1.78	2.72
5959.00	94.44	3.21	5346.46	32.00	679.58	679.64 N	21.87 E	679.99 @	1.84	1.13
5991.00	92.51	3.57	5344.52	32.00	711.45	711.52 N	23.76 E	711.92 @	1.91	6.13
6023.00	90.75	3.39	5343.61	32.00	743.38	743.45 N	25.70 E	743.90 @	1.98	5.53
6054.00	90.22	3.13	5343.35	31.00	774.32	774.40 N	27.47 E	774.89 @	2.03	1.90
6086.00	90.57	3.48	5343.13	32.00	806.26	806.35 N	29.31 E	806.88 @	2.08	1.55
6118.00	91.19	3.83	5342.64	32.00	838.19	838.28 N	31.35 E	838.86 @	2.14	2.22
6150.00	91.36	4.09	5341.92	32.00	870.09	870.19 N	33.56 E	870.84 @	2.21	0.97
6182.00	91.01	4.27	5341.26	32.00	902.00	902.10 N	35.89 E	902.81 @	2.28	1.23
6214.00	90.04	4.09	5340.97	32.00	933.90	934.01 N	38.22 E	934.79 @	2.34	3.08
6246.00	90.22	4.09	5340.90	32.00	965.81	965.93 N	40.51 E	966.78 @	2.40	0.56
6277.00	91.19	3.92	5340.51	31.00	996.73	996.85 N	42.67 E	997.77 @	2.45	3.18
6309.00	91.28	4.18	5339.82	32.00	1028.64	1028.77 N	44.93 E	1029.75 @	2.50	0.86
6341.00	91.01	3.83	5339.19	32.00	1060.55	1060.68 N	47.17 E	1061.73 @	2.55	1.38
6373.00	90.66	4.01	5338.72	32.00	1092.46	1092.60 N	49.35 E	1093.72 @	2.59	1.23
6405.00	90.75	3.92	5338.33	32.00	1124.38	1124.52 N	51.57 E	1125.71 @	2.63	0.40
6437.00	90.75	3.21	5337.91	32.00	1156.30	1156.46 N	53.55 E	1157.70 @	2.65	2.22
6469.00	90.75	2.95	5337.49	32.00	1188.25	1188.41 N	55.27 E	1189.69 @	2.66	0.81
6500.00	90.75	3.39	5337.08	31.00	1219.20	1219.36 N	56.99 E	1220.69 @	2.68	1.42

6532.00	90.84	3.39	5336.64	32.00	1251.13	KARLSBAD 1251.30 N	58.88 E	1252.69 @	2.69	0.28
6564.00	90.75	3.74	5336.19	32.00	1283.06	1283.24 N	60.87 E	1284.68 @	2.72	1.13
6596.00	88.64	3.39	5336.36	32.00	1314.99	1315.17 N	62.86 E	1316.67 @	2.74	6.68
6628.00	88.55	3.48	5337.15	32.00	1346.92	1347.10 N	64.78 E	1348.66 @	2.75	0.40
6660.00	88.55	3.83	5337.96	32.00	1378.84	1379.03 N	66.82 E	1380.65 @	2.77	1.09
6692.00	88.37	3.65	5338.82	32.00	1410.75	1410.95 N	68.90 E	1412.63 @	2.80	0.80
6724.00	88.37	3.83	5339.73	32.00	1442.66	1442.87 N	70.99 E	1444.61 @	2.82	0.56
6755.00	88.99	4.01	5340.44	31.00	1473.58	1473.79 N	73.11 E	1475.60 @	2.84	2.08
6786.00	89.25	3.83	5340.92	31.00	1504.50	1504.71 N	75.23 E	1506.59 @	2.86	1.02
6817.00	90.13	3.83	5341.09	31.00	1535.42	1535.64 N	77.30 E	1537.59 @	2.88	2.84
6849.00	90.40	4.09	5340.94	32.00	1567.34	1567.56 N	79.51 E	1569.58 @	2.90	1.17
6880.00	90.66	4.36	5340.65	31.00	1598.24	1598.48 N	81.79 E	1600.57 @	2.93	1.21
6912.00	90.48	4.27	5340.33	32.00	1630.15	1630.39 N	84.20 E	1632.56 @	2.96	0.63
6976.00	90.40	4.80	5339.84	64.00	1693.93	1694.18 N	89.26 E	1696.53 @	3.02	0.84
7039.00	90.48	5.41	5339.36	63.00	1756.66	1756.93 N	94.86 E	1759.49 @	3.09	0.98
7102.00	89.16	5.24	5339.56	63.00	1819.37	1819.66 N	100.71 E	1822.44 @	3.17	2.11
7165.00	88.55	5.85	5340.81	63.00	1882.05	1882.35 N	106.80 E	1885.38 @	3.25	1.37
7197.00	88.11	5.50	5341.75	32.00	1913.87	1914.18 N	109.96 E	1917.34 @	3.29	1.76

Pathfinder										Page 4
Survey Report										Date: 5/6/2004
										Wellpath ID: KARLSBAD CORRAL "2" #1H
Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	T O T A L Rectangular Offsets (ft)		Closure Dist. (ft)	Dir. (deg.)	DLS (dg/100ft)
Straight-Line Projection to Bit @ 7,240' MD.										
7240.00	88.11	5.50	5343.17	43.00	1956.63	1956.96 N	114.08 E	1960.28 @	3.34	0.00