



PHOENIX
TECHNOLOGY SERVICES

July 16, 2018

Oil Conservation Division
State of New Mexico
811 S. First St.
Artesia, New Mexico 88210

RECEIVED

Dear District 2 - Artesia

AUG 16 2018

Attention: Regulatory Department

DISTRICT II-ARTESIA O.C.D.

Re: Delaware Energy
Hood SWD #1
Eddy County, NM
API #30-015-44851
Job No. 62930

Enclosed please find the Survey Data Certification, and the original Plat and one copy of the Survey Report performed on the above referenced Well by Phoenix Technology Services, Inc. (P-5 No. 664171). Other information required by your office is as follows:

Name & Title of Surveyor	Drain Hole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Bruce Manser	1	586	13,986	6/2/18	7/2/18	MWD

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Best Regards,

Brittany Carley

Brittany Carley
Operations Administrator

Phoenix Technology Services SURVEY DATA CERTIFICATION



PHOENIX
TECHNOLOGY SERVICES

PHOENIX JOB NUMBER 62930

OPERATOR Delaware Energy

WELL NAME Hood SWD #1

COUNTY & STATE Eddy,NM

API WELL NUMBER	30-015-44851
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PROPOSED DIRECTION	0.00
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TIE-IN DATA						
MEASURED	VERTICAL			N-S	E-W	DATA
DEPTH	DEPTH	INCLIN	AZIMUTH	COORD	COORD	SOURCE
495. ft	494.95 ft	1.14	218.63	-3.83 ft	-4.64 ft	Surface

FIRST	FIRST		
SURVEY	SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
2-Jun-18	586.00 ft	1.31	200.67

SURVEY INSTRUMENT
TYPE
Phoenix MWD

LAST	LAST		
SURVEY	SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
2-Jul-18	13,986.00 ft	1.99	48.39

TO THE BEST OF MY KNOWLEDGE I
CERTIFY THIS SURVEY DATA TO BE
TRUE AND CORRECT.

PROJECTED	PROJECTED		
TD SURVEY	TD SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
7-Jan-00	14,044.00 ft	1.99	48.39

Bruce Manser

PRINT YOUR NAME ABOVE

Bruce manser

SIGN YOUR NAME ABOVE

2-Jul

TODAY'S DATE

MAGNETIC DECLINATION OR TOTAL GRID

TOTAL CORRECTION USED	7.33
DECLINATION OR GRID	GRID

MWD SUPERVISOR 1 Bruce Manser

DIRECTIONAL DRILLER 1

Troy Peredez

MWD SUPERVISOR 2 Freddie Hicks

DIRECTIONAL DRILLER 2

James Ley

12329 Cutten Rd., Houston, Texas 777066 (713)337-0600 (Voice), (713)337-0599 (Fax)

RECEIVED

AUG 16 2018

DISTRICT II-ARTESIA O.C.D.

Delaware Energy, LLC

Eddy County, NM (NAD83)

Hood SWD

1

OH / 62930

Survey: Phoenix MWD Surveys

Standard Survey Report

02 July, 2018

Survey Report

Company: Delaware Energy, LLC
Project: Eddy County, NM (NAD83)
Site: Hood SWD
Well: 1
Wellbore: OH / 62930
Design: Surveys (UDI 50)

Local Co-ordinate Reference: Well 1
TVD Reference: RKB @ 3242.50usft (UDI 50)
MD Reference: RKB @ 3242.50usft (UDI 50)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: USA Compass

Project	Eddy County, NM (NAD83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site Hood SWD
Site Position:
From: Map
Position Uncertainty: 0.00 usft
Northing: 442,098.10 usft
Easting: 570,508.50 usft
Slot Radius: 13-3/16 "
Latitude: 32° 12' 55.32909 N
Longitude: 104° 14' 20.43089 W
Grid Convergence: 0.05 °

Well 1
Well Position +N/-S 0.00 usft
+E/-W 0.00 usft
Position Uncertainty 0.00 usft
Northing: 442,098.10 usft
Easting: 570,508.50 usft
Wellhead Elevation: usft
Latitude: 32° 12' 55.32909 N
Longitude: 104° 14' 20.43089 W
Ground Level: 3,216.00 usft

Wellbore OH / 62930

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	MVHD	5/31/2018	7.38	59.96	47,956.97867897

Design Surveys (UDI 50)

Audit Notes:

Version: 1.0
Phase: ACTUAL
Tie On Depth: 0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	0.00

Survey Program Date 7/2/2018

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.00	495.00	Phoenix Gyro Surveys (OH / 62930)	SPT_GTD	Continuous north-seeking gyro
586.00	14,044.00	Phoenix MWD Surveys (OH / 62930)	MWD+HDGM	OWSG Rev.2 MWD + HDGM

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)
495.00	1.14	218.63	494.95	-3.83	-4.64	-3.83	0.00	0.00	0.00
Tie In									
586.00	1.31	200.67	585.93	-5.51	-5.57	-5.51	0.46	0.19	-19.74
First Phoenix MWD Survey									
682.00	0.79	47.41	681.93	-6.09	-5.47	-6.09	2.13	-0.54	-159.65
777.00	2.34	30.87	776.89	-3.98	-3.99	-3.98	1.68	1.63	-17.41
872.00	3.39	25.81	871.77	0.21	-1.77	0.21	1.14	1.11	-5.33
968.00	3.20	30.91	967.61	5.06	0.84	5.06	0.36	-0.20	5.31
1,063.00	3.82	19.54	1,062.43	10.32	3.26	10.32	0.98	0.65	-11.97

Survey Report

Company: Delaware Energy, LLC
Project: Eddy County, NM (NAD83)
Site: Hood SWD
Well: 1
Wellbore: OH / 62930
Design: Surveys (UDI 50)

Local Co-ordinate Reference: Well 1
TVD Reference: RKB @ 3242.50usft (UDI 50)
MD Reference: RKB @ 3242.50usft (UDI 50)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: USA Compass

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Bulld Rate (°/100usft)	Turn Rate (°/100usft)
1,158.00	4.78	12.12	1,157.16	17.17	5.15	17.17	1.17	1.01	-7.81
1,253.00	4.93	5.21	1,251.82	25.11	6.35	25.11	0.64	0.16	-7.27
1,349.00	5.00	2.71	1,347.46	33.40	6.92	33.40	0.24	0.07	-2.60
1,444.00	4.88	2.59	1,442.11	41.57	7.30	41.57	0.13	-0.13	-0.13
1,539.00	4.48	8.55	1,536.79	49.27	8.03	49.27	0.66	-0.42	6.27
1,634.00	4.72	0.29	1,631.49	56.85	8.61	56.85	0.74	0.25	-8.69
1,729.00	4.90	355.09	1,726.15	64.80	8.28	64.80	0.50	0.19	-5.47
1,824.00	4.62	358.80	1,820.83	72.67	7.85	72.67	0.44	-0.29	3.91
1,920.00	4.47	359.01	1,916.53	80.28	7.71	80.28	0.16	-0.16	0.22
2,015.00	4.23	355.63	2,011.25	87.47	7.37	87.47	0.37	-0.25	-3.56
2,110.00	4.19	355.88	2,106.00	94.43	6.86	94.43	0.05	-0.04	0.26
2,206.00	4.00	355.76	2,201.75	101.26	6.36	101.26	0.20	-0.20	-0.13
2,301.00	3.89	353.65	2,296.53	107.77	5.76	107.77	0.19	-0.12	-2.22
2,396.00	3.75	351.14	2,391.31	114.04	4.92	114.04	0.23	-0.15	-2.64
2,492.00	3.64	350.18	2,487.11	120.15	3.92	120.15	0.13	-0.11	-1.00
2,587.00	4.16	357.45	2,581.90	126.56	3.25	126.56	0.75	0.55	7.65
2,682.00	4.83	4.85	2,676.60	133.99	3.44	133.99	0.93	0.71	7.79
2,778.00	4.82	9.01	2,772.26	142.00	4.41	142.00	0.36	-0.01	4.33
2,873.00	4.68	5.68	2,866.94	149.80	5.42	149.80	0.33	-0.15	-3.51
2,968.00	4.48	7.99	2,961.63	157.33	6.32	157.33	0.29	-0.21	2.43
3,064.00	4.45	6.33	3,057.34	164.74	7.25	164.74	0.14	-0.03	-1.73
3,159.00	4.22	6.83	3,152.07	171.88	8.07	171.88	0.25	-0.24	0.53
3,254.00	4.69	357.84	3,246.78	179.23	8.34	179.23	0.88	0.49	-9.46
3,350.00	4.74	355.29	3,342.46	187.10	7.87	187.10	0.22	0.05	-2.66
3,445.00	4.55	357.77	3,437.15	194.78	7.40	194.78	0.29	-0.20	2.61
3,540.00	4.26	355.96	3,531.87	202.06	7.00	202.06	0.34	-0.31	-1.91
3,635.00	4.24	357.06	3,626.61	209.09	6.57	209.09	0.09	-0.02	1.16
3,731.00	4.05	358.36	3,722.35	216.02	6.29	216.02	0.22	-0.20	1.35
3,826.00	4.90	358.02	3,817.06	223.43	6.06	223.43	0.90	0.89	-0.36
3,921.00	4.96	356.65	3,911.71	231.59	5.68	231.59	0.14	0.06	-1.44
4,016.00	4.64	355.83	4,006.38	239.52	5.16	239.52	0.34	-0.34	-0.86
4,111.00	4.42	0.39	4,101.08	247.01	4.90	247.01	0.44	-0.23	4.80
4,206.00	4.02	358.73	4,195.83	254.00	4.86	254.00	0.44	-0.42	-1.75
4,302.00	4.34	355.60	4,291.57	260.99	4.50	260.99	0.41	0.33	-3.26
4,397.00	4.18	350.79	4,386.31	267.99	3.67	267.99	0.41	-0.17	-5.06
4,492.00	4.32	348.19	4,481.05	274.91	2.39	274.91	0.25	0.15	-2.74
4,587.00	4.84	355.57	4,575.74	282.41	1.34	282.41	0.83	0.55	7.77
4,685.00	5.72	1.25	4,673.33	291.41	1.13	291.41	1.04	0.90	5.80
4,778.00	5.47	1.78	4,765.88	300.48	1.37	300.48	0.27	-0.27	0.57
4,873.00	4.98	0.68	4,860.49	309.13	1.56	309.13	0.53	-0.52	-1.16
4,968.00	4.60	0.09	4,955.16	317.06	1.61	317.06	0.40	-0.40	-0.62
5,064.00	4.36	359.82	5,050.86	324.56	1.61	324.56	0.25	-0.25	-0.28
5,159.00	4.01	1.66	5,145.61	331.49	1.69	331.49	0.39	-0.37	1.94

Survey Report

Company: Delaware Energy, LLC
Project: Eddy County, NM (NAD83)
Site: Hood SWD
Well: 1
Wellbore: OH / 62930
Design: Surveys (UDI 50)

Local Co-ordinate Reference: Well 1
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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)
5,254.00	4.38	1.05	5,240.36	338.44	1.86	338.44	0.39	0.39	-0.64
5,350.00	4.71	359.81	5,336.05	346.04	1.91	346.04	0.36	0.34	-1.29
5,445.00	4.04	358.57	5,430.78	353.29	1.81	353.29	0.71	-0.71	-1.31
5,540.00	3.56	358.11	5,525.57	359.58	1.63	359.58	0.51	-0.51	-0.48
5,636.00	3.17	353.06	5,621.40	365.20	1.21	365.20	0.51	-0.41	-5.26
5,731.00	3.64	356.17	5,716.23	370.81	0.70	370.81	0.53	0.49	3.27
5,826.00	4.73	2.25	5,810.98	377.73	0.65	377.73	1.24	1.15	6.40
5,921.00	5.98	7.32	5,905.56	386.56	1.43	386.56	1.41	1.32	5.34
6,017.00	5.77	9.62	6,001.06	396.28	2.88	396.28	0.33	-0.22	2.40
6,112.00	5.84	12.02	6,095.57	405.71	4.68	405.71	0.27	0.07	2.53
6,207.00	5.44	12.61	6,190.11	414.83	6.67	414.83	0.43	-0.42	0.62
6,303.00	5.04	6.71	6,285.71	423.46	8.16	423.46	0.70	-0.42	-6.15
6,398.00	4.96	6.83	6,380.35	431.68	9.13	431.68	0.08	-0.08	0.13
6,493.00	4.17	2.82	6,475.05	439.21	9.79	439.21	0.90	-0.83	-4.22
6,588.00	4.54	0.67	6,569.77	446.42	10.00	446.42	0.43	0.39	-2.26
6,684.00	4.79	357.40	6,665.46	454.22	9.87	454.22	0.38	0.26	-3.41
6,779.00	4.55	353.69	6,760.14	461.93	9.27	461.93	0.41	-0.25	-3.91
6,874.00	4.25	352.64	6,854.86	469.17	8.41	469.17	0.33	-0.32	-1.11
6,969.00	3.80	349.97	6,949.63	475.76	7.41	475.76	0.51	-0.47	-2.81
7,065.00	3.59	349.03	7,045.43	481.84	6.28	481.84	0.23	-0.22	-0.98
7,160.00	3.28	346.68	7,140.26	487.41	5.09	487.41	0.36	-0.33	-2.47
7,255.00	3.20	346.77	7,235.10	492.63	3.86	492.63	0.08	-0.08	0.09
7,350.00	2.46	345.45	7,329.99	497.19	2.74	497.19	0.78	-0.78	-1.39
7,446.00	1.71	350.01	7,425.92	500.59	1.97	500.59	0.80	-0.78	4.75
7,541.00	1.58	355.35	7,520.88	503.29	1.62	503.29	0.21	-0.14	5.62
7,636.00	1.52	352.30	7,615.85	505.85	1.35	505.85	0.11	-0.06	-3.21
7,731.00	1.45	341.67	7,710.82	508.24	0.80	508.24	0.30	-0.07	-11.19
7,827.00	1.41	351.19	7,806.79	510.56	0.24	510.56	0.25	-0.04	9.92
7,922.00	0.55	14.38	7,901.77	512.15	0.17	512.15	0.98	-0.91	24.41
8,017.00	0.58	27.49	7,996.77	513.02	0.51	513.02	0.14	0.03	13.80
8,112.00	0.79	76.56	8,091.76	513.60	1.36	513.60	0.63	0.22	51.65
8,207.00	0.82	71.57	8,186.75	513.97	2.65	513.97	0.08	0.03	-5.25
8,302.00	0.71	109.24	8,281.75	513.99	3.85	513.99	0.53	-0.12	39.65
8,398.00	1.02	120.72	8,377.74	513.36	5.14	513.36	0.37	0.32	11.96
8,493.00	0.99	130.06	8,472.72	512.40	6.50	512.40	0.18	-0.03	9.83
8,588.00	0.90	131.91	8,567.71	511.37	7.68	511.37	0.10	-0.09	1.95
8,683.00	0.93	134.22	8,662.70	510.33	8.79	510.33	0.05	0.03	2.43
8,779.00	1.05	123.09	8,758.68	509.31	10.08	509.31	0.24	0.13	-11.59
8,874.00	0.88	141.12	8,853.67	508.27	11.27	508.27	0.36	-0.18	18.98
8,969.00	0.99	131.86	8,948.66	507.15	12.34	507.15	0.20	0.12	-9.75
9,065.00	1.05	150.85	9,044.64	505.83	13.39	505.83	0.36	0.06	19.78
9,160.00	0.83	215.55	9,139.63	504.51	13.41	504.51	1.08	-0.23	68.11
9,255.00	1.19	223.11	9,234.62	503.23	12.34	503.23	0.40	0.38	7.96
9,350.00	1.38	218.32	9,329.59	501.61	10.95	501.61	0.23	0.20	-5.04

Survey Report

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Survey Calculation Method: Minimum Curvature
Database: USA Compass

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)
9,445.00	0.50	245.55	9,424.58	500.54	9.87	500.54	1.01	-0.93	28.66
9,541.00	0.33	307.80	9,520.58	500.54	9.27	500.54	0.47	-0.18	64.84
9,636.00	0.29	307.33	9,615.57	500.85	8.86	500.85	0.04	-0.04	-0.49
9,731.00	0.62	306.81	9,710.57	501.31	8.26	501.31	0.35	0.35	-0.55
9,826.00	0.67	286.28	9,805.57	501.77	7.31	501.77	0.25	0.05	-21.61
9,921.00	1.05	269.53	9,900.55	501.92	5.91	501.92	0.48	0.40	-17.63
10,017.00	0.78	288.36	9,996.54	502.12	4.41	502.12	0.42	-0.28	19.61
10,112.00	0.79	263.07	10,091.53	502.24	3.14	502.24	0.36	0.01	-26.62
10,207.00	0.97	233.94	10,186.52	501.69	1.84	501.69	0.50	0.19	-30.66
10,302.00	1.24	234.82	10,281.51	500.62	0.35	500.62	0.28	0.28	0.93
10,398.00	1.85	235.43	10,377.47	499.15	-1.77	499.15	0.64	0.64	0.64
10,493.00	1.76	243.74	10,472.42	497.63	-4.34	497.63	0.29	-0.09	8.75
10,588.00	1.61	246.87	10,567.38	496.46	-6.88	496.46	0.19	-0.16	3.29
10,683.00	1.54	261.95	10,662.35	495.76	-9.37	495.76	0.44	-0.07	15.87
10,779.00	1.63	256.53	10,758.31	495.26	-11.97	495.26	0.18	0.09	-5.65
10,874.00	1.50	250.69	10,853.27	494.53	-14.46	494.53	0.22	-0.14	-6.15
10,969.00	1.62	247.20	10,948.24	493.60	-16.87	493.60	0.16	0.13	-3.67
11,065.00	1.72	243.16	11,044.20	492.43	-19.41	492.43	0.16	0.10	-4.21
11,160.00	1.51	240.60	11,139.16	491.17	-21.77	491.17	0.23	-0.22	-2.69
11,255.00	1.01	346.07	11,234.15	491.37	-23.06	491.37	2.13	-0.53	111.02
11,350.00	0.69	8.07	11,329.14	492.74	-23.18	492.74	0.48	-0.34	23.16
11,446.00	0.66	4.70	11,425.13	493.87	-23.06	493.87	0.05	-0.03	-3.51
11,541.00	0.28	358.66	11,520.13	494.65	-23.02	494.65	0.40	-0.40	-6.36
11,636.00	0.79	289.75	11,615.12	495.10	-23.64	495.10	0.78	0.54	-72.54
11,732.00	1.30	271.63	11,711.11	495.35	-25.35	495.35	0.63	0.53	-18.88
11,827.00	1.39	268.88	11,806.08	495.36	-27.58	495.36	0.12	0.09	-2.89
11,923.00	1.68	265.69	11,902.05	495.23	-30.15	495.23	0.31	0.30	-3.32
12,018.00	2.05	250.31	11,997.00	494.56	-33.14	494.56	0.65	0.39	-16.19
12,113.00	2.84	252.38	12,091.91	493.27	-36.98	493.27	0.84	0.83	2.18
12,208.00	3.13	266.04	12,186.78	492.38	-41.81	492.38	0.81	0.31	14.38
12,303.00	2.71	273.48	12,281.66	492.34	-46.64	492.34	0.59	-0.44	7.83
12,399.00	2.30	279.32	12,377.57	492.79	-50.81	492.79	0.50	-0.43	6.08
12,494.00	2.61	280.32	12,472.48	493.48	-54.82	493.48	0.33	0.33	1.05
12,590.00	2.85	272.45	12,568.37	493.98	-59.35	493.98	0.46	0.25	-8.20
12,685.00	2.76	268.94	12,663.26	494.03	-64.00	494.03	0.20	-0.09	-3.69
12,780.00	1.54	258.31	12,758.19	493.73	-67.53	493.73	1.35	-1.28	-11.19
12,875.00	1.81	242.95	12,853.15	492.79	-70.12	492.79	0.55	0.28	-16.17
12,970.00	2.98	255.72	12,948.06	491.50	-73.85	491.50	1.35	1.23	13.44
13,131.00	3.92	257.93	13,108.77	489.32	-83.29	489.32	0.59	0.58	1.37
13,226.00	3.37	281.39	13,203.58	489.19	-89.20	489.19	1.66	-0.58	24.69
13,322.00	2.70	321.16	13,299.46	491.51	-93.38	491.51	2.25	-0.70	41.43
13,417.00	4.75	278.67	13,394.27	493.85	-98.68	493.85	3.48	2.16	-44.73
13,513.00	2.11	288.27	13,490.09	495.00	-104.29	495.00	2.80	-2.75	10.00

Survey Report

Company: Delaware Energy, LLC	Local Co-ordinate Reference: Well 1
Project: Eddy County, NM (NAD83)	TVD Reference: RKB @ 3242.50usft (UDI 50)
Site: Hood SWD	MD Reference: RKB @ 3242.50usft (UDI 50)
Well: 1	North Reference: Grid
Wellbore: OH / 62930	Survey Calculation Method: Minimum Curvature
Design: Surveys (UDI 50)	Database: USA Compass

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)
13,608.00	1.41	32.87	13,585.06	496.53	-105.31	496.53	2.97	-0.74	110.11
13,703.00	2.26	56.21	13,680.01	498.55	-103.12	498.55	1.17	0.89	24.57
13,798.00	1.34	73.90	13,774.97	499.90	-100.50	499.90	1.12	-0.97	18.62
13,894.00	1.78	56.63	13,870.93	501.03	-98.17	501.03	0.67	0.46	-17.99
13,986.00	1.99	48.39	13,962.88	502.88	-95.79	502.88	0.37	0.23	-8.96
Final Phoenix MWD Survey									
14,044.00	1.99	48.39	14,020.85	504.22	-94.28	504.22	0.00	0.00	0.00
Projection to TD									

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
495.00	494.95	-3.83	-4.64	Tie In
586.00	585.93	-5.51	-5.57	First Phoenix MWD Survey
13,986.00	13,962.88	502.88	-95.79	Final Phoenix MWD Survey
14,044.00	14,020.85	504.22	-94.28	Projection to TD

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone (505) 833-8161 Fax (505) 833-0720

DISTRICT II
811 S. First St., Artesia, NM 88210
Phone (505) 746-1223 Fax (505) 746-9720

DISTRICT III
1000 Rio Brazos Rd., Arteeo, NM 87410
Phone (505) 834-8178 Fax (505) 834-8178

DISTRICT IV
1520 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3450 Fax (505) 476-3452

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011

Submit one copy to appropriate
District Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
Property Code	Property Name HOOD SWD	Well Number 1
OGRID No.	Operator Name DELAWARE ENERGY	Elevation 3216'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	13	24 S	26 E		1980	SOUTH	330	EAST	EDDY

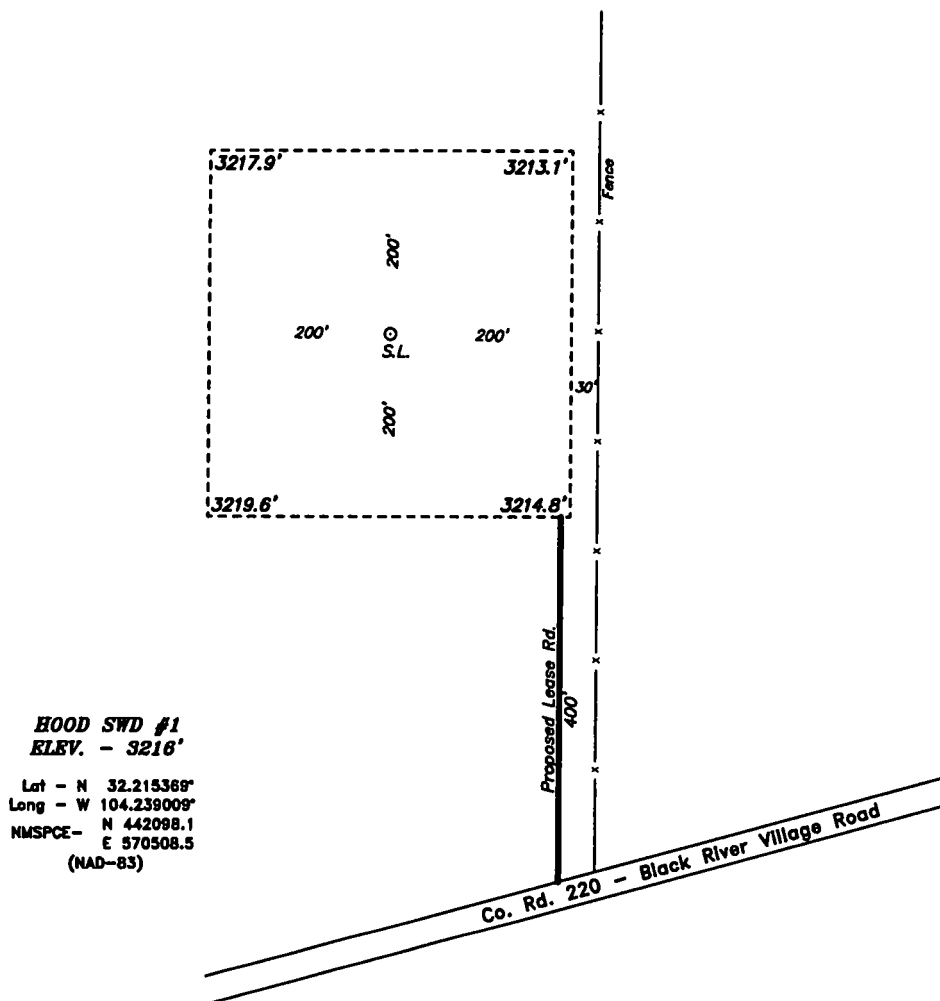
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or Infill	Consolidation Code	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

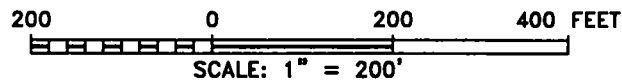
	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill 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. Signature _____ Date _____ Printed Name _____ Email Address _____ 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. FEBRUARY 27 2012 Date Surveyed _____ Signature of Professional Surveyor _____ Certificate No. 7977 Basin _____ Scale: 1" = 1000' WO Num.: 33480
--	---

**SECTION 13, TOWNSHIP 24 SOUTH, RANGE 26 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.**



HOOD SWD #1
ELEV. - 3216'
Lat - N 32.215368°
Long - W 104.239009°
NADSPCE - N 442098.1
E 570508.5
(NAD-83)

CARLSBAD, NM IS ±9 MILES TO THE NORTH OF LOCATION.



DELTWARE ENERGY

REF: HOOD SWD #1 / WELL PAD TOPO

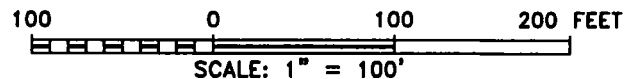
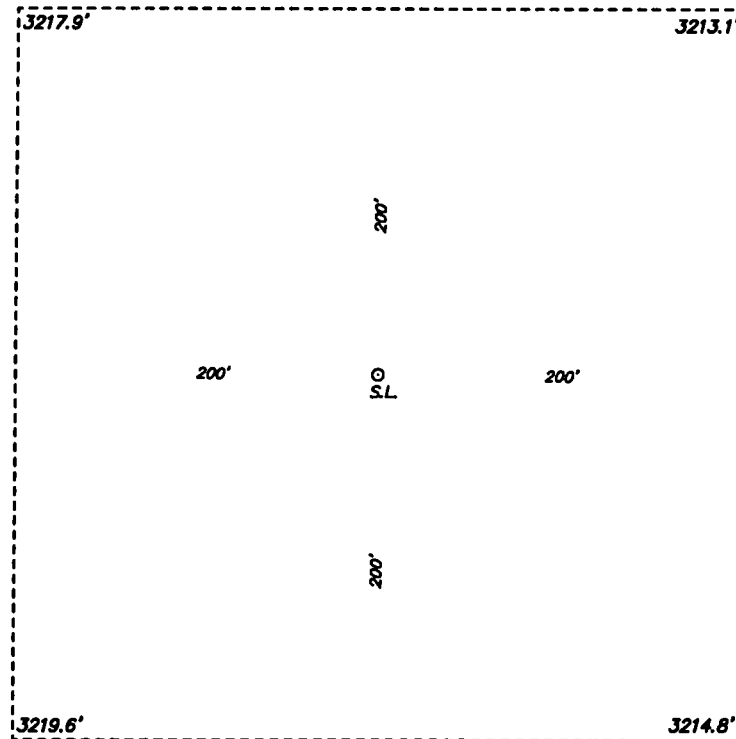
THE HOOD SWD #1 LOCATED 1980' FROM
THE SOUTH LINE AND 330' FROM THE EAST LINE OF
SECTION 13, TOWNSHIP 24 SOUTH, RANGE 26 EAST.

N.M.P.M., EDDY COUNTY, NEW MEXICO.

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Hobbs, New Mexico 88241
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(575) 392-2206 - Fax
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**SECTION 13, TOWNSHIP 24 SOUTH, RANGE 26 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.**



DELRWARE ENERGY

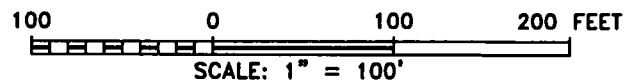
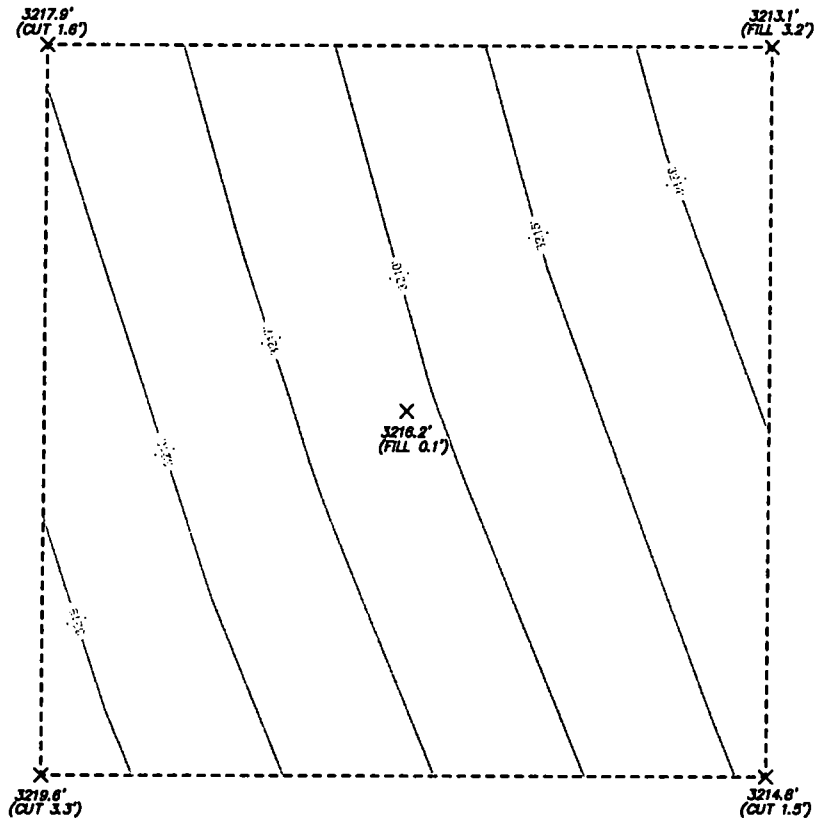
REF: HOOD SWD #1 / WELL PAD TGPO

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**SECTION 13, TOWNSHIP 24 SOUTH, RANGE 26 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.**



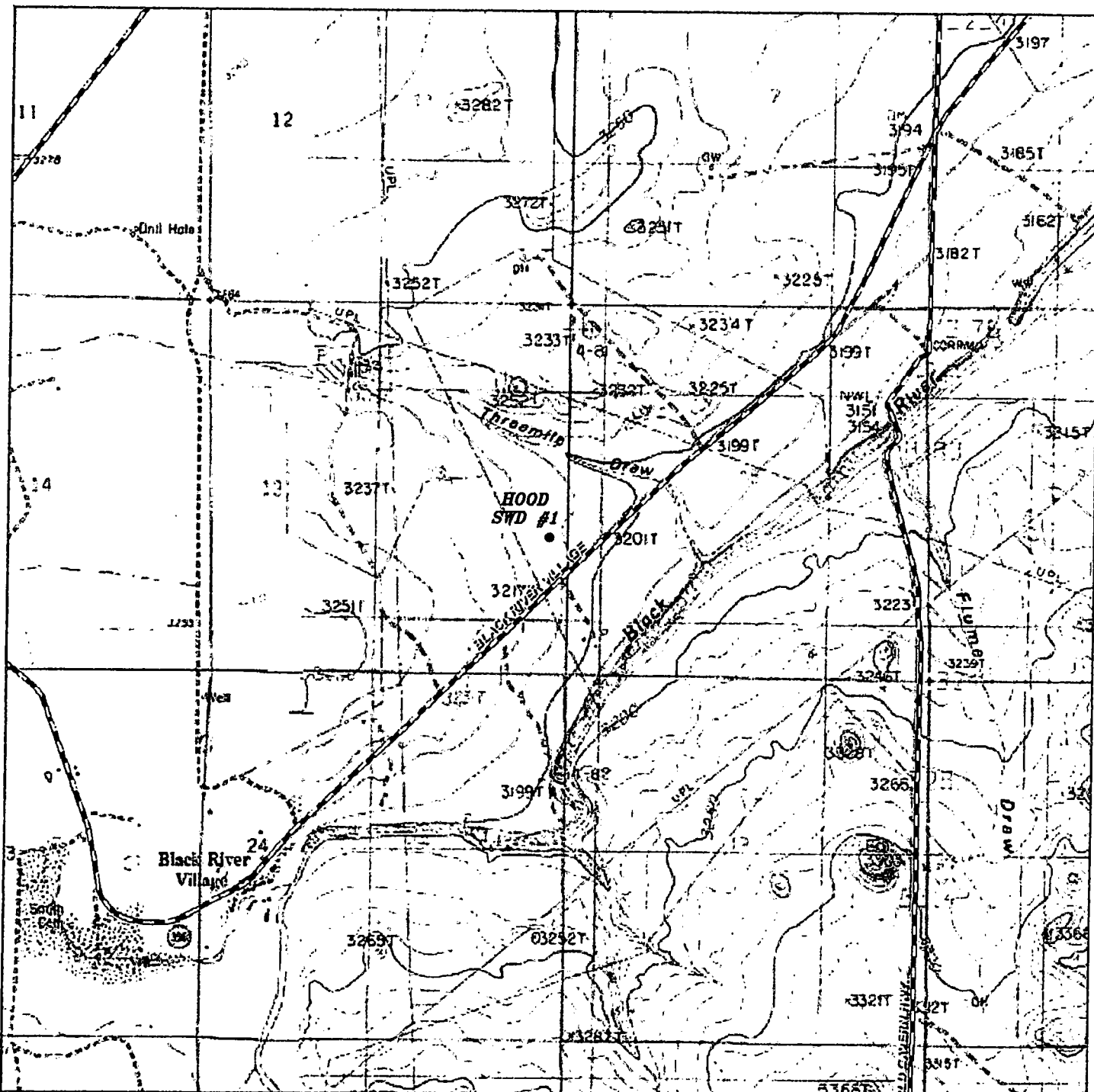
DELMARE ENERGY

REF: HOOD SWD #1 / CUT & FILL •

THE HOOD SWD #1 LOCATED 1980' FROM
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N.M.P.M., EDDY COUNTY, NEW MEXICO.

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HOOD SWD #1

Located 1980' FSL and 330' FEL
Section 13, Township 24 South, Range 26 East,
N.M.P.M., Eddy County, New Mexico.



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0' 1000' 2000' 3000' 4000'

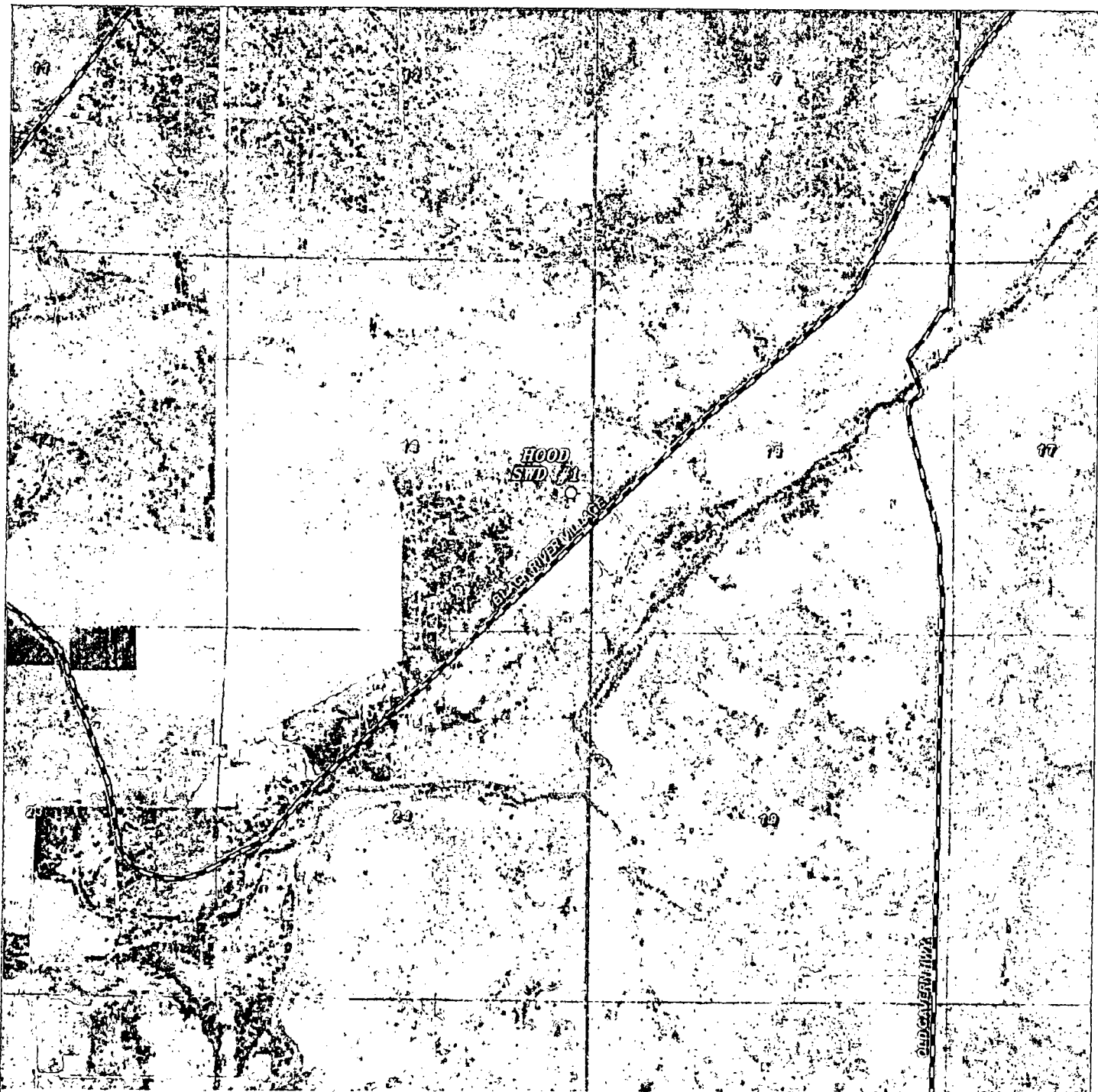
SCALE: 1" = 2000'

W.O. Number: KJG 33480

Survey Date: 02-26-2018

YELLOW TINT - USA LAND
BLUE TINT - STATE LAND
NATURAL COLOR - FEE LAND

**DELMWARE
ENERGY**



HOOD SWD #1
 Located 1980' FSL and 330' FEL
 Section 13, Township 24 South, Range 26 East,
 N.M.P.M., Eddy County, New Mexico.



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0' 1000' 2000' 3000' 4000'

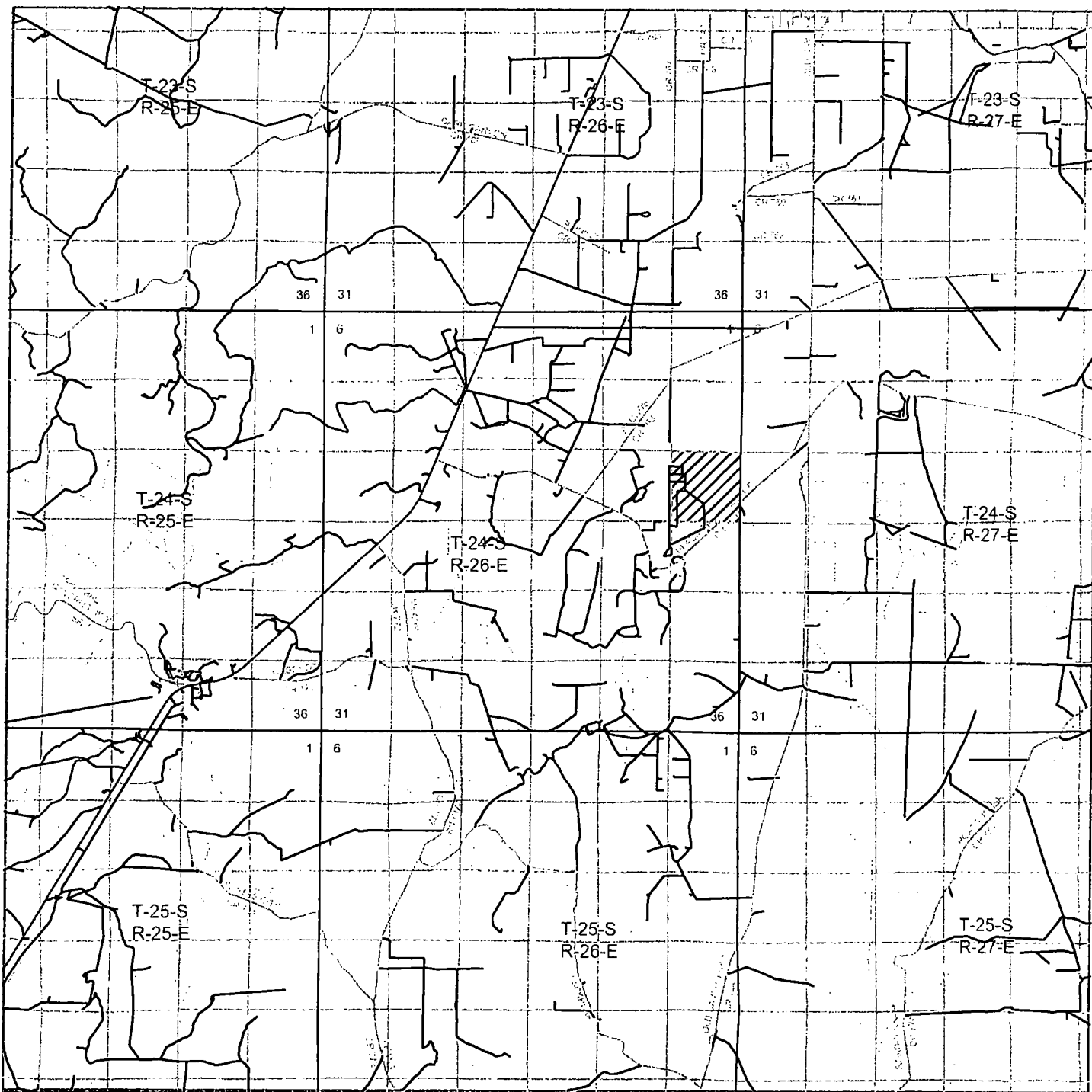
SCALE: 1" = 2000'

W.O. Number: KJG 33480

Survey Date: 02-26-2018

YELLOW TINT - USA LAND
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DELMWARE
ENERGY



HOOD SWD #1
 Located 1980' FSL and 330' FEL
 Section 13, Township 24 South, Range 26 East,
 N.M.P.M., Eddy County, New Mexico.

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0 1 MI 2 MI 3 MI 4 MI

SCALE: 1" = 2 MILES

W.O. Number: KJG 33480

Survey Date: 02-26-2018

YELLOW TINT - USA LAND
 BLUE TINT - STATE LAND
 NATURAL COLOR - FEE LAND

**DELWARE
ENERGY**