



**PHOENIX**  
**TECHNOLOGY SERVICES**

February 12, 2018

Delaware Energy, LLC.  
Attn: Regulatory Department  
405 N. Marienfeld  
Midland, Texas 79701

RECEIVED

MAY 09 2018

Re: Delaware Energy  
Iceman State SWD 1  
Eddy Co., New Mexico  
API #30-015-44265  
Job No. 62333

DISTRICT II-ARTESIA O.C.D.

Dear Regulatory Department;

Phoenix Technology Services, Inc. has filed the survey certification, surveys, and lease plat for the above referenced well with the State of New Mexico Oil Conservation Division – District 2 via certified mail. A copy of the filing is attached for your records.

Name of Surveyor	Drainhole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Andy Askew	1	0	500	2/11/18	2/11/18	Gyro

Thank you for the opportunity to be of service. Please contact me if you have any questions or require additional information.

Best Regards,

*Brittany Carley*

Brittany Carley  
Operations Administrator

# SURVEY CERTIFICATION FORM

3610 Elkins Road Midland, TX 79705 t:432-684-0057 f: 432-686-7964



Company: Delaware Energy

Job #: 62333

Well Name: Iceman State SWD 1

County/State: Eddy/ NM

Survey Instrument Type: North Seek Rate Gyro

API # 30-015-44265

## TIE-IN DATA

Measure Depth (ft)	Vertical Depth (ft)	Inclination (°)	Azimuth (°)	W.S. Coordinates	East Coordinates	Data Source
0	0	0	0	0	0	Surface

## First Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
2018-02-11	0	0	0

## Last Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
2018-02-11	500	1.16	26

## Projected TD Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
0	0	0	0

Corr Correction
-0.06

Gyro Operator: Phoenix Technology Services USA Ltd.

Gyro Supervisor: Angel Guebara

To the best of my knowledge I certify this survey data to be correct and true

Date:

2-11-18

Print Name: Andy Askew

Signature:

Andy Askew



**PHOENIX**  
TECHNOLOGY SERVICES

Company: Delaware Energy  
Well: Iceman State SWD 1  
Location: Eddy Co., NM  
Rig: UDI 50

Job Number: 62333  
Grid Corr.: -0.06  
Lat: 32.29  
Long: -104.21

Date: 02-11-18  
Calculation Method: Minimum Curvature  
Proposed Azimuth: \_\_\_\_\_  
RKB - MSL in feet: 26  
Tie Into: Surface

Survey Tool Type	Survey Depth (ft)	Inclina- tion (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
Enter Tie-In Survey on Line 10													
FIELD COPY, NON-DEFINITIVE													
TIE IN	0			0	0	0	0	0					
Gyro	100.00	0.36	77.90	100	100.00	0.07	0.07 N	0.31 E	0.31	77.90	0.36	0.36	77.90
	200.00	0.42	23.32	100	200.00	0.47	0.47 N	0.76 E	0.89	58.34	0.36	0.06	-54.58
	300.00	0.99	57.74	100	299.99	1.27	1.27 N	1.64 E	2.07	52.25	0.69	0.57	34.42
	400.00	1.43	31.74	100	399.97	2.79	2.79 N	3.02 E	4.11	47.30	0.69	0.44	-26.00
	500.00	1.16	26.00	100	499.94	4.76	4.76 N	4.12 E	6.30	40.90	0.30	-0.27	-5.74

RECEIVED

MAY 09 2018

Form C-102  
Revised August 1, 2011DISTRICT I  
1625 S. French Dr., Hobbs, NM 88240  
Phone (505) 289-4181 Fax (505) 289-0750DISTRICT II  
511 S. First St., Artesia, NM 88210  
Phone (505) 743-1289 Fax (505) 743-0750DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone (505) 824-4176 Fax (505) 234-4176DISTRICT IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone (505) 476-8480 Fax (505) 476-8482State of New Mexico  
Energy, Minerals and Natural Resources Department

## OIL CONSERVATION DIVISION

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

DISTRICT II-ARTESIA O.C.D.

Submit one copy to appropriate  
District Office

## WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number <b>30-015-44265</b>	Pool Code	Pool Name
Property Code <b>318048</b>	Property Name <b>ICEMAN STATE</b>	Well Number <b>1</b>
OGED No. <b>371195</b>	Operator Name <b>DELAWARE ENERGY</b>	Elevation <b>3183'</b>

## Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>M</b>	<b>17</b>	<b>23 S</b>	<b>27 E</b>		<b>660</b>	<b>SOUTH</b>	<b>660</b>	<b>WEST</b>	<b>EDDY</b>

## 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

N: 477308.4 E: 578148.3 (NAD83)			N: 477326.1 E: 581421.0 (NAD83)	<b>OPERATOR CERTIFICATION</b> 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 undivided 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: <u>Mike McCurdy</u> Date: <u>6/6/2017</u> Printed Name: <u>Mike McCurdy</u> Email Address: <u>mccurdy@delawareenergyllc.com</u>
			<b>SURVEYOR CERTIFICATION</b> 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 Surveyed: <u>May 1, 2017</u> Signature: <u>[Signature]</u> Professional Surveyor 7977 Certificate No. <u>7977</u> State of New Mexico Board of Surveyors 7977 Scale: 1" = 2000' WO Num.: 32895	

SURFACE LOCATION  
 Lat - N 32.289430°  
 Long - W 104.218554°  
 NMSPCE- N 472882.2  
 E 576804.5  
 (NAD-83)

N: 472023.4  
 E: 578144.0  
 (NAD83)

N: 472014.7  
 E: 581436.0  
 (NAD83)