



FEB 20 2018

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February 12, 2018

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

Dear District 2 - Artesia

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

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. 606018). Other information required by your office is as follows:

Name & Title of Surveyor	Drainhole Number	ſ	eyed oths	Dates Pe	erformed	Type of
		From	То	Start	End	Survey
Andy Askew	1	0	500	2/11/18	2/11/18	Gyro

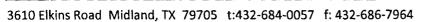
A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Best Regards,

Brittany Carley

Brittany Carley Operations Administrator

## SURVEY CERTIFICATION FORM





Company: Delay	ware Energy		<del></del>	Job #:	62333	·
Well Name: Icema	an State SWD 1		_	County/State:	Eddy/ NM	
Survey Instrument Ty	ype: North S	eek Rate Gyro		API#	30-015-4426	5
		TIE	IN DATA			
0	O	0	0	0	Surface	
j	irst Survey		<b>1</b> .	Last Sur	vey	
2018-02-11	0	0	2018-02-11	500	1.16	26
Proje	ected TD Surve	ey .				,
0	0	0	<u>.</u>	-0.06		
Gyro Operator: Pho		y Services USA Ltd.	-			
Gyro Supervisor: Angel	l Guebara		-			
To the best of my kno	-		be correct and true			
Date: 2-	11-18		Print Name:	Andy Askew	<del></del>	
			Signature	: Alg HI		

PHOENIX

TECHNOLOGY SERVICES

Location: Ríg: Iceman State SWD 1 Delaware Energy Eddy Co., NM UDI 50

> Job Number: Grid Corr.: 62333 -0.06 32.29 Proposed Azimuth: Date: 02-11-18
> Calculation Method: Minimum Curvature

-104.21 Tie Into: RKB - MSL in feet: 26 Surface

Long: Lat:

Survey	Survey	Inclina-		Course	True Vertical	Vertical	Coordinates	nates	Closure	ure	Dogleg	Build	Walk
ΤοοΙ	Depth	tion	Azimuth	Length	Depth	Section	N/S	E/W	Distance	Angle	Severity	Rate	Rate
Туре	(ft)	(deg)	(deg)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(deg)	(d/100')	(d/100') (d/100') (d/100'	(d/100')
Enter Tie-In S	nter Tie-In Survey on Line 10	e 10			FII	LD COPY, N	FIELD COPY, NON-DEFINITIVE	VE					
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

DISTRICT I 1685 N. French Dr., Phone (676) 305-4161 DISTRICT II 511 S. First St., Artesia, NM 88210 Phone (876) 748-1368 Page (878) 748-6720

State of New Mexico Energy, Minerals and Natural Resources Department

NM OIL CONSERVATION Form C-102 ARTESIA DISTRICT Form C-106
ARTESIA DISTRICT August 1, 2011 FEB Brillmit one copy to appropriate District Office

OIL CONSERVATION DIVISION

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

RECEIVED

DISTRICT III 1000 Rio Bruson Bd., Asteo, NM 87410 Phono (808) 384-6178 Fau: (808) 384-6179 DISTRICT IV 1220 5, St. Francis Br., Santa Fe. NM 87506 Phone (505) 476-8460 Fest (606) 476-8462

WELL LOCATION AND ACREAGE DEDICATION PLAT

CI AMENDED REPORT

Pool Code Pool Name								
	•			Well No	mber			
	ICEMA	N STATE		1				
	-							
DELAWARE ENERGY 3183'								
Surface Location								
Township Range	Lot Idn Feet from	m the North/South line	Feet from the	East/West line	County			
23 S   27 E	66	0 SOUTH	660	WEST	EDDY			
Bottom Hole Location If Different From Surface								
Township Range	Lot Idn Feet from	m the North/South line	Feet from the	East/West line	County			
Infill Consolidation C	ode Order No.							
	Township Range 23 S 27 E Bottom Cownship Range Infill Consolidation C	Proper ICEMA  Opera  DELAWAR  Surface  Ownship Range Lot Idn Feet from  Hottom Hole Location Leaves from the company of the co	Property Name ICEMAN STATE Operator Name DELAWARE ENERGY Surface Location Ownship Range Lot Idn Feet from the North/South line 23 S 27 E 660 SOUTH  Bottom Hole Location If Different From Surfownship Range Lot Idn Feet from the North/South line Ownship Range Lot Idn Feet from the North/South line Ownship Range Lot Idn Feet from the North/South line	Property Name ICEMAN STATE  Operator Name DELAWARE ENERGY  Surface Location  ownship Range Lot Idn Feet from the North/South line Feet from the 23 S 27 E 660 SOUTH 660  Bottom Hole Location If Different From Surface  ownship Range Lot Idn Feet from the North/South line Feet from the lownship Range Lot Idn Feet from the North/South line Feet from the location Code Order No.	Property Name   ICEMAN STATE			

OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

