Form 3160-4 (April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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COM	FIDENTIAL
	FORM APPROVED OMB NO. 1004-0137 Expires: March 31, 200

	WELL COMPLETION OR RECOMPLETION REPORT AND LOG									NŠ	NM-104730		
la. Type of Well Soil Well Gas Well Dry Other												or Tribe Name	
							o Back	∏Diff F	esvr.	-		,	••••••
b. Type of Completion: New Well Work Over Deepen Plug Back Diff. Resvr, . Other										7	Unit or	CA Agreer	nent Name and No.
2 1			Juier _							ᆀ.			
	f Operator	uaina		mnanv						68	. Lease 1	Name and V	Veil No. 1 // // //
Pogo Producing Company Address P. O. Box 10340, Midland, TX 79702 432-685-8100											8. Lease Name and Well No. Sundance Federal #23 9. AFI Well No.		
3. Address	. Box	1034	0.	Midland	I, TX 797	02 3432	-685	-8100	i coae)			-33384	1
3. Address P. O. Box 10340, Midland, TX 79702 432-685-8100 4. Location of Well (Report location clearly and in accordance with Federal requirements)*											10. Field and Pool, or Exploratory		
	10	•		& 660'		систи тецитется	113/			1			Delaware We
At surfa	ice 19	00 1	NE	α 000	IML							., R., M., or	
At ton r	orod. interva	l renorted	helow	same						''	Survey	or Area	4/T24S/31E
				546						12	County	or Parish	13. State
At total	depth	same	<u> </u>								ddy	•	NM
14. Date Sp				Date T.D. Reac	hed	16. Date (17	7. Elevat	ions (DF, R	KB, RT, GL)*
04/2	23/04		05	/08/04		D.	D & A XXReady to Prod.			33	3396' GL		
18. Total D	epth: ME	8200	`	19. 1	Plug Back T.D.:	MD 8140		20. Depti	n Bridge	Plug Se	lug Set: MD		
	TV	DOZUL	,			TVD 0140					TVI)	
21 Type F	lactric & C	ther Mec	hanica	II oor Pun (S	ubmit copy of ea			22. Was	reall com	-42 X	XNo.	Vac (Cuba	it analymia)
			Hallica	i Logs Kuii (S	uomin copy or ca	CII)			. Was well cored? XXNo Yes (Submit analysis) Was DST run? XXNo Yes (Submit report)				
HUII	_, ZDL	/ CN							tional S		No		Submit copy)
23. Casing	and Liner	Record	(Repo	rt all strings	set in well)			·				<u> </u>	
Hole Size	Size/Grad		(#/fl.)	Top (MD)	Bottom (MD)	Stage Cemente		f Sks. &	Slurr	Vol.	Cemen	Ton*	Amount Pulled
		<u>l</u>		100 (1112)	1 ` ′	Depth		of Cement	(B	BL)	·		
$\frac{17-1/2}{2}$			18		690		675			surf			
	11 8-5/8 32&24				4130		160				surf		
7-7/8	7/8 4-1/2 11.6				8200_		210	Ų			surf	ace	
	 				 		 						
	1			i .		4	i						
	i	+				f							
24 Tuhing	Record						<u></u>						
24 Tubing		Set (MD)	Packe	r Denth (MD)	Size	Depth Set (MD	Packer	Depth (MD)[Size	Depth	Set (MD)	Packer Depth (MD
Size	Depth	Set (MD)	Packe	r Depth (MD)	Size	Depth Set (MD	Packer	Depth (MD		Size	Depti	1 Set (MD)	Packer Depth (MD
	Depth : 779:		Packe	r Depth (MD)	Size	Depth Set (MD) .	Size	Depti	n Set (MD)	Packer Depth (MD
$\frac{\text{Size}}{2-3/8}$	Depth : 779:	l	Packe	r Depth (MD)	Size	26. Perforati	on Record	d	Size	No.	Holes		Packer Depth (MD
Size 2-3/8 25. Produc	Depth 779	l	Packe			26. Perforati	on Record	d	<u> </u>		Holes		
Size 2-3/8 25. Produc A) De B)	Depth 779 ing Interval	l	Packe			26. Perforati	on Record	d	<u> </u>	No.	Holes		
Size 2-3/8 25. Product A) De B) C)	Depth 779 ing Interval	l	Packe			26. Perforati	on Record	d	<u> </u>	No.	Holes		
Size 2-3/8 25. Product A) De B) C) D)	Depth 779 779 ing Interval Formation aware	I s		Тор		26. Perforati	on Record	d	<u> </u>	No.	Holes		
Size 2-3/8 25. Produc A) De B) C) D) 27. Acid, I	Depth 779 ing Interval Formation aware	l s				26. Perforati Perforated 7861-79	on Record Interval	d	Size	No.	Holes		Perf. Status
Size 2-3/8 25. Produc A) De B) C) D) 27. Acid, 1	Depth 779 779 ing Interval Formation aware	l s		Top	Bottom	26. Perforati Perforated 7861-79	i Interval	d and Type of	Size	No. 2	Holes 5		Perf. Status
Size 2-3/8 25. Produce A) De B) C) D) 27. Acid, 1	Depth 779 779 ing Interval Formation aware	l s		Top	Bottom	26. Perforati Perforated 7861-79	i Interval	d and Type of	Size	No. 2	Holes 5		Perf. Status
Size 2-3/8 25. Produc A) De B) C) D) 27. Acid, 1	Depth 779 779 ing Interval Formation aware	l s		Top		26. Perforati Perforated 7861-79	i Interval	d and Type of	Size	No. 2	Holes 5		Perf. Status RECEIVE JUN 1 0 2000
Size 2-3/8 25. Produc A) De B) C) D) 27. Acid, 1	Depth 779 779 ing Interval Formation aware	l s		Top	Bottom	26. Perforati Perforated 7861-79	i Interval	d and Type of	Size	No. 2	Holes 5		Perf. Status RECEIVE
Size 2-3/8 25. Produc A) De B) C) D) 27. Acid, 1	Depth 779 779 ing Interval Formation aware	s eatment, C		Top	Bottom	26. Perforati Perforated 7861-79	i Interval	d and Type of	Size	No. 2	Holes 5		Perf. Status RECEIVE JUN 1 0 2000
Size 2-3/8 25. Produc A) De B) C) D) 27. Acid, I 7861- 28. Produc Date First	Depth 779 779 779 779 779 779 779 779 779 77	s seatment, C al	ement :	Top Squeeze, etc. Acdz W. Frac W.	Bottom / 1800 qa / 77,000	26. Perforation Perforated 7861-79	Amount C + C +	and Type of :id :44,00	Size Materia	No. 2	Holes 5		Perf. Status RECEIVE JUN 1 0 2000
Size 2-3/8 2-3/8 25. Produce A) De B) C) D) 27. Acid, 1 7861- 28. Produce Date First Produced	Depth 779 779 779 779 779 779 779 779 779 77	eatment, C al	ement :	Top Squeeze, etc. Acdz w Frac w,	Bottom / 1800 qc / 77,000;	26. Perforati Perforate 7861-79 315 7-1/2 416/30	i Interval	and Type of	Size Materia	No. 2	Holes 5 0 SL(Perf. Status RECEIVE JUN 1 0 2000
Size 2-3/8 2-3/8 25. Produce A) De B) C) D) 27. Acid, 1 7861- Date First Produced	Depth 779 779 779 779 779 779 779 779 779 77	eatment, C al	Test Produ	Top Squeeze, etc. Acdz w Frac w ction Oil BBL 87	Bottom / 1800 qa / 77,000;	26. Perforation Perforate 7861-79 215 7-1/2 416/30 Vater 1881. Oil Cort. 157 Water Gas/t	Amount 1/2 a C +	and Type of :id :44,00	Size Materia	No. 2	Holes 5 0 SL(Perf. Status RECEIVE JUN 1 0 2000
Size 2-3/8 25. Produce A) De B) C) D) 27. Acid, I 7861- 28. Produced Pate First Produced / 24/04	Pepth 779: Ing Interval Formation AWA **Comparison Fracture, Tropepth Interval 7989 Inction - Interval Test Date 5/28/6 Tog. Press. Flwg.	eatment, C al val A Hours Tested 04 24	ement :	Top Squeeze, etc. Acdz W. Frac W. ction Oil BBL 87	Bottom / 1800 qa / 77,000;	26. Perforati Perforate 7861-79 215 7-1/2 215 7-1/2 416/30 Vater BBL Cor. 157 Vater Gas/C	Amount Amount Aravity April	and Type of :id :44,00	Size Materia OU#	No. 2	Holes 5 0 SL(Perf. Status RECEIVE JUN 1 0 2000
Size 2-3/8 25. Product Produ	Depth 779 ing Interval Formation Aware Practure, Tropepth Interval 7989 inction - Interval Test Date 5/28/(Tbg. Press. Flwg. SI	eatment, C al val A Hours Tested)4 2 4 Csg. Press.	Test Produ	Top Squeeze, etc. Acdz w Frac w ction Oil BBL 87	Bottom / 1800 qa / 77,000;	26. Perforation Perforate 7861-79 215 7-1/2 416/30 Vater 1881. Oil Cort. 157 Water Gas/t	Amount Amount Aravity April	and Type of :id :44,00	Size Materia	No. 2	Holes 5 0 SL(Perf. Status RECEIVE JUN 1 0 2000
Size 2-3/8 2-3/8 25. Produc A) De B) C) D) 27. Acid, I 7861- 28. Produced / 24/04 Choke Size 28a. Prod	Depth 779 ing Interval Formation AWA **C Fracture, Tro Depth Interv 7989 action - Inter Test Date 5/28/6 Tbg. Press. Flwg. SI uction - Interv Interval	eatment, C al val A Hours Tested 04 24 Csg. Press.	Test Produ	Top Squeeze, etc. Acdz w Frac w ction BBL 87 Oil BBL	Bottom / 1800 qa / 77,000;	26. Perforation Perforate 7861-79 21	Amount 2% a C L C +	and Type of it d Gas Gravit Well St	Size Materia OU#	No. 2	Holes 5 O SL(Perf. Status RECEIVE JUN 1 0 2000
Size 2-3/8 25. Produce A) De B) C) D) 27. Acid, I I 7861- 28. Produc Date First Produced / 24/04 Choke Size	Depth 779 ing Interval Formation Aware Practure, Tropepth Interval 7989 inction - Interval Test Date 5/28/(Tbg. Press. Flwg. SI	eatment, C al val A Hours Tested)4 2 4 Csg. Press.	Test Produ	Top Squeeze, etc. ACdZ W Frac W ction BBL 87 Oil BBL	Bottom / 1800 qa / 77,000; Gas MCF	26. Perforation Perforate 7861-79 21	Amount Amount Aravity April	and Type of :id :44,00	Size Materia OU#	No. 2	Holes 5 0 SL(Perf. Status RECEIVE JUN 1 0 2000
Size 2-3/8 25. Produce A) De B) C) D) 27. Acid, I 7861- 28. Produced / 24/04 Choke Size 28a. Prod Date First Produced	Depth 779 779 779 779 779 779 779 779 779 77	eatment, C al val A Hours Tested 4 24 Csg. Press. erval B Hours Tested	Test Production Test Productin Test Production Test Production Test Production Test Production	Top Squeeze, etc. ACC W Frac W ction BBL 87 Oil BBL BBL	Bottom / 1800 qa / 77,000; Gas MCF	26. Perforation Perforate 7861-79 als 7-1/2 # 16/30 Vater Gas/ BBL Gas/ BBL Ration 862 Vater BBL Gail 862 Vater BBL Gail 862	Amount Amount	and Type of id Gas Gravity Gas Gravity Gas Gravity	Size Materia 00# y atus oduc	No. 2	Holes 5 O SL(Perf. Status RECEIVE JUN 1 0 2000
Size 2-3/8 25. Produc A) De B) C) D) 27. Acid, I 7861- 28. Produc Date First Produced / 24/04 Choke Size 28a. Prod Date First	Depth 779 779 779 779 779 779 779 779 779 77	eatment, C al val A Hours Tested)4 24 Cag. Press.	Test Produ	Top Squeeze, etc. ACdZ W Frac W ction BBL 87 Oil BBL BBL	Bottom	26. Perforation Perforate 7861-79 21	Amount 2% a C L C +	and Type of id 44,00	Size Materia 00# y atus oduc	No. 2	Holes 5 O SL(Perf. Status RECEIVE JUN 1 0 2000

			•	a juni.	÷					
	ction - Inter	val C								
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status		
28c. Prod	uction - Inte	rval D			 					
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status		
29. Disp So 1	osition of G	ias (Sold, 1	sed for fuel	vented, e	tc.)					
Show		ant zones	of porosity	and conte			vals and all drill-ste and shut-in pressu	m	ion (Log) Markers	
For	nation	Тор	Bottom	1	Des	criptions, Con	tents, etc.		Name	Top Meas, Depth
al Ani aware l Cany rry Ca shy Ca e Spr	Lime yon anyon anyon	4010 4232 4261 5145 6380 8033								
33. Indi	Electrical/M Sundry Notic	itmes have echanical ce for plug	been attach Logs (1 full ging and cea regoing and	ed by place set req'd.) ment verif	cing a check		port DST Re is Other: Ind correct as determined.	ined from all ava	onal Survey ilable records (see attached in	structions)*
	ne (please pi	rint)	Cath	y Wri	ght // C	ht	Title	06/08/0	ation Tech	
	nature	1/	MMU	~ 1.4	in X	٠,	Date	- 007 007 0	+	

(Form 3160-4. page 2)

Pogo Producing Company P.O. Box 10340 Midland, TX 79702-7340

Sundance Federal #23 Eddy County, New Mexico RECEIVED
JUN 1 0 2004
GED-ARTESIA

240	2.4	1	1.75	4.20	4.20
509	2.69	1	1.75	4.71	8.91
690	1.81	1 1/4	2.19	3.96	12.87
858	1.68	1 3/4	3.06	5.15	18.01
1203	3.45	1 1/4	2.19	7.55	25.56
1548	3.45	3/4	1.31	4.53	30.09
1895	3.47	1 1/4	2.19	7.59	37.68
2242	3.47	2 1/4	3.94	13.66	51.34
2589	3.47	1	1.75	6.07	57.41
2935	3.46	1/2	0.88	3.03	60.44
3282	3.47	1	1.75	6.07	66.51
3627	3.45	2	3.50	12.08	78.59
3970	3.43	2 1/4	3.94	13.51	92.09
4490	5.2	1	1.75	9.10	101.19
4837	3.47	2	3.50	12.15	113.34
5215	3.78	2	3.50	13.23	126.57
5561	3.46	1 1/4	2.19	7.57	134.14
5907	3.46	1 1/4	2.19	7.57	141.71
6254	3.47	1 1/2	2.63	9.11	150.82
6600	3.46	3/4	1.31	4.54	155.36
6947	3.47	3/4	1.31	4.55	159.91
7294	3.47	1 1/4	2.19	7.59	167.50
7641	3.47	1 1/2	2.63	9.11	176.61
8020	3.79	1 1/4	2.19	8.29	184.90
8200	1.8	1 1/4	2.19	3.94	188.84

4.45.

CONFIDERTIAL

Michael Roghair - General Manager

The attached instrument was acknowledged before me on the 13th day of May, 2004 by Michae Roghair, General Manager CapStar Drilling, L.P.



Xamme Duggins Notary Public