NM OIL CONSERVATION

ARTESIA DISTRICT

Form 3160-4 (August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APR 27 2015

FORM APPROVED OMB NO. 1004-0137 Expires: July 31, 2010

BHL: NMNM0503

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

			_											
la. Type of '	Well Completion	Ø0il Voil	Well w Well	Gas Well Work Over	Dry Deenen	Other Plug Back	☐ Diff	· Resyr			6. II	Indian, A	llottee or T	ribe Name
o. Type of	Sompietion	Oth						100,711.,				nit or CA .005247		Name and No.
2. Name of	Operator		Devo	n Energy Pro	duction Con	npany, L.P.							and Well I v Unit 17	
3. Address									ide area code	e,)	9. A	FI Well N	0.	211
4 Location				, Oklahoma (Iv and in accord			05-228-	4248	_			015-424.	26 Pool or Exp	loratory
4. ISOCATION	or well (iv	sport rock	non cicur.	i ina macona	ando with I cub	rai requiremer	113)						v; Delaw	
At surface		CI 0 12	451551	11-i+ 0 C-	- 1 TOEC DO	345						Sec., T., R. Survey or A	, M., on Bl	ock and
	195 1	.2F & 13	45 FEL	Unit O, Se	C 1, 1255, R3	31E						1, T25S,		
At top pro	d. interval i	eported b	elow								12.	County or	Parish	13. State
At total de	pth	333' FI	NL & 19	74' FEL Lot	2, Sec 1, T2						Edd	у		NM
14. Date Spi	ıdded			ate T.D. Reache /20/14	1		Date Comp		3/9 cady to Prod.	/15		Elevations 3445.4	(DF, RKB	, RT, GL)*
10/3/14 18. Total De			7		g Back T.D.:	MD			20. Depth Bi			MD		
21 Tuno El		D 8150		Run (Submit cop	idose to vi	TVD			22. Was wel	Leored?	N	TVD	es (Submit	analysis)
er Type D	count at Ou	.c. ivicelidi		/ Gamma Ra					Was DS	T run?		ю 🗖 ү	es (Submit)	report)
23. Casing	and Liner F	Record (R	eport all s	trings set in wel))		**		Direction	nal Survey	/? □ N	o 🔼 7.	es (Submit	copy)
Hole Size	Size/Gr	ide W	L. (#/ft.)	Top (MD)	Bottom (MI	O) Stage C De	ementer	1	of Sks. & of Cement	Slurry (BE		Cement	. Тор*	Amount Pulled
17-1/2"	13-3/8"	H-40	48#	0	800		/cit		sx CIC	(1)1)	C	,	252 sx
12-1/4"	9-5/8".	J-55	40#	0	4440			168	0 sx CIC			C)	70 bbls
8-3/4"	5-1/2" HC	P-110	17#	0	12827	DV @	6013.8	2550 s	x Cement			60	11	255 sx
					ļ									
	 													
24. Tubing	Record				<u> </u>									
Size		Set (MD)	Packer	Depth (MD)	Size	Depth Se	t (MD)	Packer I	Depth (MD)	Siz	e.	Depth S	let (MID)	Packer Depth (MD)
2-7/8" 25. Producii		21.3				26. Pe	rforation l	2 ecord						
23. 110ddei	Formation	•		Тор	Bottom		forated In			Size	No. I	Ioles		Perf. Status
	r Brushy	Canyon		8354	12723		3354 - 1	2723			1	92		open
B)														
C) D)											-			
27 Acid, Fi	acture Tre.	atment. Ce	ement Sau	eeze etc							<u> </u>			
	Depth Inter	val							nd Type of N					
8	354 - 127	23	48,	000 gals 0.19	%-7.5% HCl /	Acid, 1,131,	.580# 10	00 Mes	h White, 4	81,110	# 40/70) Super L	.C, 1,128	,380# 40/70 White
									-					
										<u></u>			•	
28. Producti					·									
Date First Produced	Test Date	Hours Tested	Test Product	Oil ion BBL	Gas MCF	Water BBL	Oil Grav Corr. Al	-	Gas Gravity	Prod	luction M	ethod	D	
3/9/15	4/14/15	24	-		809	1920			1				Pur	пр
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Water	Gas/Oil		Well Statu	1S				
	Flwg. SI	Press.	Rate	BBL	MCF	BBL	Ratio							
	450psi	400ps		<u> </u>			133	2.784						
28a. Produci Date First		'al B Hours	Test	Oil	Gas	Water	Oil Grav	rity	Gas	Prod	uction M	ethod		
Produced		Tested	Product	ion BBL	MCF	BBL	Corr. Al-		Gravity			- 24 4 14 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		
	Tbg. Press.		24 Hr.	Öit	Gas	Water	Gas/Oil		Well Statu	IS		<u></u>		
	Flwg. SI	Press.	Rate	BBL	MCF	BBL	Ratio							
				>	<u></u>									

^{*(}See instructions and spaces for additional data on page 2)

28b. Prod	iction - Inte								1					
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil C Corr.	ravity API	Gas Gravity	Production Method				
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/G Ratio		Well Status					
	etion - Inte		· · · · · · · · · · · · · · · · · · ·											
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil C Corr.	Gravity API	Gas Gravity	Production Method				
Choke Size	Tbg. Press. Flwg. Sl	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/0 Ratio		Well Status					
29. Dispos	sition of Gas	s (Solid, use	ed for firel, ver	nted, etc.)	·	SOLD								
30. Sumn	nary of Poro	us Zones (Include Aqui	fers):		3010			31. Formatio	on (Log) Markers				
Show :	ill important ng depth int	t zones of p	orosity and ec	ontents there		ervals and all d and shut-in pr				, (Sug) Hallon				
		(0)	D		ъ.						Тор			
Forr	nation	Төр	Bottom		Descri	ptions, Content	is, etc.			Name	Meas, Depth			
Lower	Brushy	8143					•		Lo	wer Brushy Canyon	8143			
32 Addit	ional remark	s (include	plugging proc	odura).										
									,					
33. Indica	ite which ite	ms have be	en attached b	y placing a	check in the a	ppropriate boxe	es:							
☑ Ele	ctrical/Mech	anical Logs	(1 full set req)	d.)	□G	eologic Report		DST Rep	ort	☑ Directional Survey				
☐ Sun	dry Notice fo	or plugging	and cement ve	rification	С	ore Analysis		Other:						
34. I here	by certify th	at the fores	going and atta	ched inform	nation is comp	lete and correct	t as det	ermined from	all available re	cords (see attached instructions)*				
N	ame (please						Title	Regulato	ry Compliar	nce Analyst				
S	ignature	<u></u>	Lunt	in Ma	mò	- 	Date _	4/23/202	15					
						a crime for any ter within its ju			nd willfully to i	make to any department or agency	of the United States any			

(Continued on page 3) (Form 3160-4, page 2)

Form 3160-5 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 201

5. Lease Serial No. BHL: NMNM0503

6. If Indian, Allottee or Tribe Name

SUNDRY NOTICES AND REPORTS ON WELLS

	orm for proposals to drill or t Use Form 3160-3 (APD) for su					
SUBMIT	IN TRIPLICATE – Other instructions of	on page 2.	7. If Unit of CA/Agree	ment, Name and/or No.		
1. Type of Well			891005247X			
✓ Oil Well Gas W	ell Other		8. Well Name and No. Cotton Draw Un			
Name of Operator Devon Energy Production Com	pany, L.P.		9. API Well No. 30-015-42426			
3a. Address	<u> </u>	o. (include area code)	10. Field and Pool or E	Exploratory Area		
333 West Sheridan, Oklah	oma City, OK 73102 405-2	28-4248	Cotton Draw; De	elaware		
4. Location of Well (Footage, Sec., T)	R.M., or Survey Description)		11. Country or Parish,	State		
195' FSL & 1345' FEL Unit O, 333' FNL & 1974' FEL Lot 2,		14' FSL & 1627' FEL	Eddy, NM			
12. CHEC	K THE APPROPRIATE BOX(ES) TO INI	DICATE NATURE OF NOT	ICE, REPORT OR OTH	ER DATA		
TYPE OF SUBMISSION		TYPE OF AC	TION			
Notice of Intent	Acidize Dec	pen Pro	duction (Start/Resume)	☐ Water Shut-Off		
	Alter Casing Frac	eture Treat Rec	clamation	Well Integrity		
Subsequent Report	Casing Repair New	Construction Rec	complete	Other Completion Report		
	Change Plans Plug	g and Abandon 🔲 Ten	nporarily Abandon			
Final Abandonment Notice	Convert to Injection Plug	g Back Wa	ter Disposal			
8354'-12723', total 192 holes.	T. TiH & ran CBL, found TOC @ 234 Frac'd 8354'-12723' in 16 stages. Fr 1,128,380# 40/70 White. ND frac, N	ac totals 48,000 gals 0.1	%-7.5% HCl, 1,131,58	30# 100 Mesh White sand,		
			N	M OIL CONSERVATION ARTESIA DISTRICT		
				APR 27 2015		
14. Thereby certify that the foregoing is tr	ue and correct.					
Name (<i>Printed/Typed)</i> Lucretia Morris		Title Regulatory Con	npliance Analyst	RECEIVED		
-/	Monis	Date 4/23/2015		NEGET VED		
joioung	THIS SPACE FOR FEDE		FICE USE			
Approved by						
Approved by						
hat the applicant holds legal or equitable ti	. Approval of this notice does not warrant or tle to those rights in the subject lease which w		Γ	Date		
Entitle the applicant to conduct operations t		L. J. (100 U	to make to me desire	Call II 2 Journal Co.		

(Instructions on page 2)

fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III

State of New Mexico Energy, Minerals & Natural Resources

Revised August 1, 2011 Submit one copy to appropriate District Office

Oil Conservation Division

Form C-104

1000 Rio Brazos District IV	Rd., Azto	ec, NM 8741	.0	122	20 South St.	th St. Francis Dr. AMENDED REPORT							
1220 S. St. Fran	ncis Dr., S				Santa Fe, NI					~~~			
¹ Operator n	L.		EST FC	<u>)R ALI</u>	LOWABLE	AND AU	THU	PRIZATION 2 OGRID Nu		TRA	NSP	'ORT'	
_										613			
Devon Energy 333 West She	-		•	.02				³ Reason for l	Filing (Code/ I NW /	/ Effective Date / 3/9/15		
⁴ API Number			ol Name					L		Pool Co			
	5-42426				Cotton Draw;	; Delaware						96757	
⁷ Property C 300	Code 0635	° Pr 	operty Nar	ne	Cotton Dra	aw Unit			V	Vell Nu		172H	
II. 10 Su										-	_		
UI or lot no.	1	Township		Lot Idn	Feet from the				East/	/West li	ine	County	
0 11 B ox	ttom H	25S ole Locat	31E	<u> </u>	195	South	I	1345		East		Eddy	
UL or lot		Township		Lot Idn	n Feet from the North/South line Feet from the East/West				West 1	ine	County		
no. 2	1	25\$	31E		333	North		1974		East		Eddy	
12 Lse Code	I .	cing Method Code		onnection ate	¹⁵ C-129 Pern	nit Number	16 (C-129 Effective	17	C-129	Expiration Date		
F O		Р	•	ate 9/15						<u> </u>			
III. Oil a		s Transp	orters		¹⁹ Transpor	rtor Name						²⁰ O/G/W	
OGRID		·			and Ad								
020445	,				Plains Ma							Oil	
				P.C	D. Box 4648 H	louston, TX 7	7210						
036785	AND CHARLES				DCD Mic	-1 -4					学的以 香油酸	Gas	
	54.04.0			P.O. B	DCP Mid ox 50020 Mid		10-00	20		ļ	V %	-	
					NM OIL C	ONSERVA		N			4		
The state of the s	27.112										Par land	A STATE OF THE STA	
					APK	27 2015				Haran I			
A CAN TO SERVICE OF THE SERVICE OF T	CP, Achine	-			RE	CEIVED		rd TV			i Professione	A THE STREET, SALES OF	
IV. Well		letion Da 22 Ready			²³ TD	2.1 mmmr		75.50			76		
²¹ Spud Da 10/3/14	i	Ready	•		12827	²⁴ PBTD 12779.7		²⁵ Perforat 8354 - 12			=\	DHC, MC	
	le Size			<u> </u>	1		pth So		723	30 €	Sacks	Cement	
17	יור/ זי												
1/	7-1/2"			13-3/8"			800	·		/35 s	x CIC;	Circ 252 sx	
12	!-1/4"			9-5/8"		4	1440			1680 s	sx CIC;	Circ 70 bbls	
8-	-3/4"			5-1/2"		1	2827		2	550 sx	Ceme	nt; Circ 255 sx	
	····		Tu	bing: 2-7/	8"	76	621.3					· · · · · · · · · · · · · · · · · · ·	
V. Well 31 Date New		ata ³² Gas Deliv	vary Date	T 33 r	Test Date	³⁴ Test	Longt	L 35 TI	og. Pre	~~	1 :	36 Csg. Pressure	
4/14/15		4/14 _/	•		j		hrs	" ""					
37 Choke Si		38 O			1/14/15 9 Water	40 C			450 ps	31	 	400 psi Test Method	
J		607 1			.920 bbl		mcf					i est pietnou	
⁴² I hereby cert been complied		he rules of	the Oil Con	nservation.	Division have		11.5.	OIL CONSERV	VATIO	N DIVI	ISION		
complete to the						A consequent has							
Signature:	Aus	retia 1	Morrio	,	 	Approved by:							
Printed name							Title:						
Title:					/	Approval Date	·						
	Regulatory Compliance Analyst E-mail Address:												
E-man Address		cretia.morr	is@dvn.cc	m									
Date:	Phone: 4/23/2015 Phone:												

DISTRICT I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 DISTRICT II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 DISTRICT IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Menn oil CONSERVATION Energy, Minerals & Natural Resources Department of CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, New Mexico 87505 RECEIVED

Revised August 1, 2011 Submit one copy to appropriate District Office

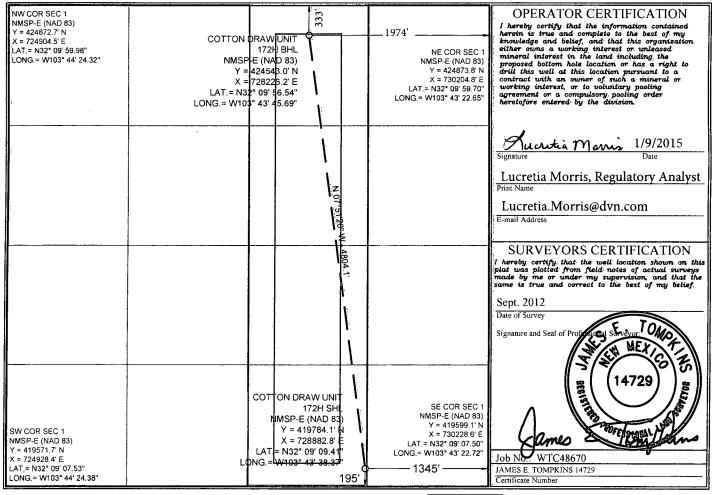
Form C-102

□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	NPI Number 15-42426			Pool Code Pool Name 96757 Cotton Draw; Delaware, So.							
Property C 3006			•	С	Property Name OTTON DRAW		Well Number 172H				
OGRID No. Operator Name Elevation 6137 DEVON ENERGY PRODUCTION COMPANY, LP. 3445.4'											
		•			Surface Locat	ion					
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
0	1	25 S	31 E	1345	EAST	EDDY					
		•	Bott	om Hole I	ocation If Diffe	erent From Surfac	e				
UL or lot no.	Section	Township	Range	: Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
2	1	25 S	S 31 E 333 NORTH 1974 EAST EI								
Dedicated Acres 160.15	Joint or	or Infill Consolidated 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.



PP: 314' FSL & 1627' FEL, Sec 1, T25S, R31E

Project Area:

Producing Area:





October 28, 2014

Devon Energy 333 West Sheridan Ave Oklahoma City, Oklahoma 73102-5010

Attn: David Cook

Re: Cotton Draw Unit 172H

Please find enclosed a copy of the survey from 0.00' to 4368.17' ran on the above referenced well.

If I can be of any further service please do not hesitate to call me at 800-606-4976.

herely

Keith Havelka Operations

STATE OF TEXAS

§

COUNTY OF NUECES

This instrument was acknowledged before me on the 28 day of 0.2., 2014, by Keith Havelka.

ennifer Alan Byerly

Notary Public, State of Texas

VES Survey International
P.O. Box 261021 Corpus Christi, TX 78426
T (361) 767-0602 F (361) 767-0612
www.vessurvey.com



Company: Devon Energy

Lease/Well: Cotton Draw Unit/172H

Rig Name: Cactus #126

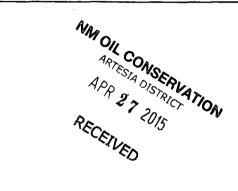
State/County: New Mexico/Eddy

Latitude: 32.15, Longitude: -103.73

GRID North is 0.32 Degrees East of True North

VS-Azi: 0.00 Degrees





Depth Reference: 25 Feet

DRILLOG MS GYRO SURVEY CALCULATIONS

Filename: gyro survey.ut
Minimum Curvature Method
Report Date/Time: 10/28/2014 / 10:33

VES Survey International West Texas (432) 563-5444

Surveyor: Neil Bates Cotton Draw Unit 172H / API 30-015-42426

Measured Depth	Incl Angle	Drift Direction	TVD	+N/-S	+E/-W	Vertical Section	Closure Distance	Closure Direction	Dogleg Severity
FT	Deg	Deg	FT	FT	FT	FT	FT	Deg	Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	***
100.87	0.67	221.50	100.87	-0.44	-0.39	-0.44	0.59	221.50	0.66
195.41	0.72	233.65	195.40	-1.21	-1.23	-1.21	1.73	225.64	0.16
289.95	1.08	217.01	289.93	-2.27	-2.25	-2.27	3.20	224.71	0.47
384.49	1.24	225.11	384.45	-3.71	-3.51	-3.71	5.11	223.45	0.24
479.03	1.02	239.16	478.97	-4.86	-4.96	-4.86	6.95	225.58	0.37
573.57	1.47	221.69	573.49	-6.20	-6.49	-6.20	8.98	226.31	0.62
668.11	1.38	230.38	668.00	-7.84	-8.18	-7.84	11.33	226.23	0.25
762.65	1.14	248.97	762.52	-8.90	-9.93	-8.90	13.34	228.14	0.50
857.19	1.38	271.19	857.04	-9.21 ′	-11.95	-9.21	15.09	232.35	0.57
951.73	1.74	287.41	951.54	-8.76	-14.45	-8.76	16.90	238.77	0.60
1046.27	1.34	298.31	1046.05	-7.81	-16.80	-7.81	18.52	245.07	0.52
1140.81	1.81	273.65	1140.55	-7.18	-19.27	-7.18	20.56	249.55	0.86
1235.35	1.22	253.29	1235.06	-7.38	-21.72	-7.38	22.94	251.24	0.84
1329.89	1.62	236.15	1329.57	-8.41	-23.79	-8.41	25.23	250.53	0.61
1424.43	0.87	249.32	1424.09	-9.41	-25.57	-9.41	27.25	249.80	0.84
1518.97	0.69	250.53	1518.62	-9.85	-26.78	-9.85	28.54	249.80	0.19
1613.51	1.10	226.62	1613.15	-10.66	-27.98	-10.66	29.94	249.13	0.57
1708.05	0.91	214.66	1707.67	-11.90	-29.06	-11.90	31.41	247.73	0.30
				n					

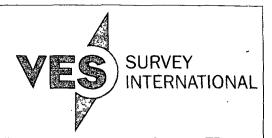
Page 1 of 2

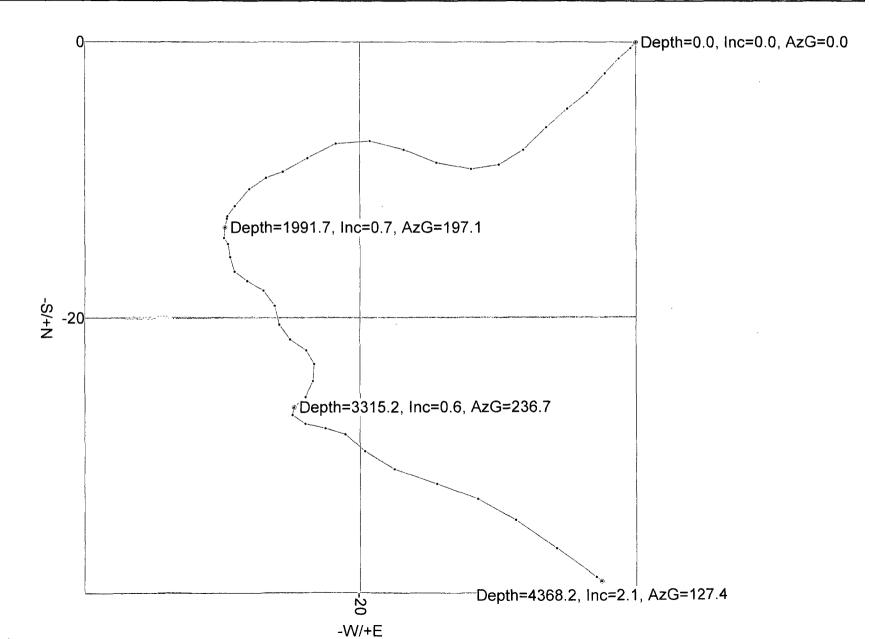
Measured	Incl	Drift				Vertical	Closure	Closure	Dogleg "
Depth	Angle	Direction	TVD	+N/-S	+E/-W	Section	Distance	Direction	Severity
FT	Deg	Deg	FT	FT	FT	FT	FT	Deg	Deg/100
1802.59	0.18	216.93	1802.21	-12.64	-29.58	-12.64	32.16	246.07	0.77
1002.53	0.10	210.93	1002.21	-12.04	-29.56	-12.04	32.16	246.87	0.77
1897.13	0.10	144.99	1896.75	-12.82	-29.62	-12.82	32.28	246.59	0.19
1991.67	0.72	197.09	1991.28	-13.46	-29.75	-13.46	32.65	245.66	0.70
2086.21	0.26	151.93	2085.82	-14.22	-29.82	-14.22	33.04	244.51	0.60
2180.75	0.38	143.54	2180.36	-14.66	-29.53	-14.66	32.97	243.60	0.13
2275.29	0.84	183.85	2274.89	-15.60	-29.40	-15.60	33.28	242.05	0.64
2369.83	0.63	134.98	2369.43	-16.66	-29.08	-16.66	33.51	240.20	0.67
2464.37	0.77	119.60	2463.96	-17.33	-28.16	-17.33	33.07	238.38	0.25
2558.91	0.88	122.65	2558.49	-18.04	-26.99	-18.04	32.47	236.25	0.13
2653.45	0.89	163,81	2653.02	-19.13	-26.18	-19.13	32.43	233.84	0.66
2747.99	0.83	168.36	2747.55	-20.51	-25.84	-20.51	32.99	231.56	0.09
2842.53	0.91	121.41	2842.08	-21.57	-25.06	-21.57	33.06	229.28	0.74
2937.07	0.81	127.49	2936.61	-22.36	-23.89	-22.36	32.72	226.88	0.15
3031.61	0.71	175.79	3031.14	-23.35	-23.32	-23.35	33.00	224.96	0.66
3126.15	0.81	190.15	3125.67	-24.59	-23.39	-24.59	33.94	223.57	0.22
3220.69	0.81	222.23	3220.20	-25.74	-23.96	-25.74	35.16	222.95	0.47
3315.23	0.55	236.69	3314.74	-26.49	-24.79	-26.49	36.28	223.10	0.32
3409.77	0.49	136.79	3409.28	-27.03	-24.89	-27.03	36.75	222.64	0.85
3504.31	0.90	117.50	3503.81	-27.67	-23.96	-27.67	36.60	220.89	0.50
3598.85	0.97	89.98	3598.34	-28.01	-22.50	-28.01	35.93	218.76	0.48
3693.39	0.93	123.60	3692.86	-28.44	-21.06	-28.44	35.39	216.52	0.58
3787.93	1.37	136.34	3787.38	-29.68	-19.64	-29.68°	35.59	213.50	0.54
3882.47	1.78	109.66	3881.89	-30.99	-17.48	-30.99	35.58	209.43	0.88
3977.01	2.15	109.52	3976.37	-32.07	-14.42	-32.07	35.17	204.21	0.39
4071.55	1.65	110.70	4070.86	-33.15	-11.48	-33.15	35.08	199.10	0.54
4166.09	2.21	125.93	4165.35	-34.70	-8.74	-34.70	35.78	194.13	0.80
4100.03	2.21	120.53	4100.30	~34.70	-0.74	-34.70	33.10	137.13	0.00
4260.63	2.18	123.51	4259.82	-36.75	-5.77	-36.75	37.20	188.92	0.10
4355.17	2.14	128.75	4354.29	-38.85	-2.89	-38.85	38.96	184.25	0.21
4368.17	2.13	127.42	4367.28	-39.15	-2.51	-39.15	39.23	183.67	0.39



VES Survey International West Texas (432) 563-5444

Surveyor: Neil Bates Cotton Draw Unit 172H / API 30-015-42426





Report Printed: 4/23/2015



Directional Survey

Division L'AWARE (BAS ace Legal Location) C. 1, T25S, R311	121714	EUDY	30 JWG 2011 15 2 JW	3.000	DUGA Latitude (°) 32° 9' 9' 41" N	CONTRACTOR CONTRACTOR OF SHEET	DELAWARE B	Groundfeld 3 445 4	v M. Orig	KB Elev(ft) Tubing Head Elevation 70:40
libores 🛴 🤻			16.00			83-43-23-193.			1,00	
			arent Wellbore		A STATE OF THE PARTY OF THE PAR	AP Well ID 37143			Vertical S	Section Direction (°)
k Offs & Key	Depths			200 A	ie waar		1911	belle in	TopiDepthi	(f(KB))
						100				
al Deviation Survey RO/MWD, Pro	THE RESIDENCE AS LONG THE PROPERTY OF THE PARTY OF THE PA			Yes	I .	Proposed? NO	Proposed Deviation	1 Survey		
viation Survey	<u>/////////////////////////////////////</u>		Description ()			1000			121	
10/2014 💯			SYRO/MWD				LUCT.			
Tie In (ftKB) O	0.0) Tie In (ftKB))0		Inclination Tie In (°) 0.00		zimuth Tie In (°) I. 00	0.0	ie In (ft) O		EWTie In (ft) 0.00
vey Data					l e			To Dis	Survey	
Contract Con	(fiKB)	Ind (0)	(*Azm (*)	TVD (fiKB)	VS (ft)	WeigNVS (ft)	E/W (ft)	(*/100ft)	Tool	Survey Company 4
3/2014 3/2014	7100!87 195.41	0.67	221.50	100.87 195.40	4 -0.38 -1.03	-0.44	-0.39	0.66 0.16	GYRO GYRO	VAUHGN ENERGY SERVICE VAUHGN ENERGY SERVICE VAUHGN ENERGY SERVICE
3/2014	289.95	71.08	217:01	#4°a% 289.93	V: 43-1.94	-2:27	-2.25	0.47	GYRO	VAUHGN ENERGY SERVICE
/2014	384.49	1.24	225.11	384.45		3.70		0.24	GYRO	VAUHGN ENERGY SERVIO
ACCRECATION IN MINISTER	479.03	1.02	, 239:16	c _authorities.com/seconds-need-tay.	4.13	4:86	STREET, STREET	Application and the	GYRO	VAUHGN ENERGY SERVICE
Contracted and the second	668 11	1747	221 69 230 38	573.49 668.00	-5.24 -6.62	-6.19 -7.83	-6 49 -6 17	0.62	GYRO GYRO	VAUHGN ENERGY SERVIO
MANAGEMENT STRUCKS	762:65	114	230.30 248.97	762:52	7.43	-8.89	9.93	0.50	1	VAUHGN ENERGY SERVICE
/2014	857.19	1.38	271.19	857.04	-7.46	/-9.20	-11.94	0.57	GYRO	VAUHGN ENERGY SERVICE
STEWARD WINDS CO.	951.73	1.74	287,41	951:54	6.67	紫 美 第 - 8.75	A Transport of the Same of Taliffe	K and the Asset of	GYRO	VAUHGN ENERGY SERVICE
Manager I and the state of	046:27	1.34	298:31	1,046.05	5.40	-7.80	to the second of	0.52	GYRO	VAUHGN ENERGY SERVICE
/2014 1 /2014 731	235.35	1.81	273.65 253.29	1.140:55	4.44 4.30	=7:07	-19:26 -21:71	0.86 - 0.84	GYRO GYRO	VAUHGN ENERGY SERVICE VAUHGN ENERGY SERVICE VAUHGN ENERGY SERVICE
Control State Control	329.89	31.62	236 15	¥1,329.57	-5.03	-8.41	23.78	0.61	GYRO	VAUHGN ENERGY SERVICE
/2014: 1	424 43	u J0.87	249:32	1,424.09	3 147-5 78	v# \$ \$ 9.40	25.56	0.84	GYRO	VAUHGN ENERGY SERVICE
ONE PERSONAL SERVICES	518.97	÷4,40.69.≢	250.53	1,518.62	¥. ¥. ¥. 6.05	9.85	-26.77	0.19	GYRO	VAUHGN ENERGY SERVIC
AND DESCRIPTION OF THE PARTY OF	613.51 708.051	1-10 F	226.62 214.66	1.613.15	6.69	10.66 4.511.90	-27.97 	0.58	GYRO GYRO	VAUHGN ENERGY SERVICE VAUHGN ENERGY SERVICE VAUHGN ENERGY SERVICE
ACTUAL SECTION OF THE PARTY OF	/802 59 T	T 20.1/8	216.93	1.802.21	-8 42	12.64	-29.57	0.77	GYRO	VAUHGN ENERGY SERVICE
ARCHEROPERATES CONTRACTOR	897:13	0.10	144'99	1.896.75	-8.60	-12.82	29.61	, (0.19	GYRO	VAUHGN ENERGY SERVIC
CHEMPOLICA PROPERTY OF THE PRO	991.67	0:72	## 197:09	1:991:28	4. 9.21	13:46	29.74	/ 0:70	GYRO	VAUHGN ENERGY SERVIC
annual class and control	086.21	70.26	151 93	2,085.82	9.95	-14-22	-29.81	0.60	GYRO	VAUHGN ENERGY SERVICE VAUHGN ENERGY SERVICE VAUHGN ENERGY SERVICE
/2014. 2 /2014 2	180.75	0.38	143/54 183/85	2:180:36	10.43 11.38	-14.66 	29.53	0.14 0.64	GYRO	VAUHGN ENERGY SERVIC
Cartifold A. San Cartifold	369.83	THE PERSON NAMED IN	In the state of th	2:369:43	A POSSESSION OF THE PROPERTY.	CONTRACTOR CONTRACTOR CONTRACTOR	SEA LINE TO SECURE AND AND THE WASHINGTON BY	一 日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日		VAUHGN ENERGY SERVIC
/2014 2	464 37			2;463:96	**-13.28	-17-34	-1028-15	≥ 0.25	GYRO	VAUHGN ENERGY SERVIC
/2014/	THE THREE SECTIONS IN THE PROPERTY.	CALLED CO. E IN THE CO.	TOTAL PROPERTY OF THE PARTY OF	<i>≥.</i> 2/558/49	14.14	S ON MAD STREET, SECOND CONTROL OF	EVANORS MASS ON LIGHT-ANNION CONTRACTOR	2 845 MODEL - 45 - 45 PM P	1	VAUHGN ENERGY SERVICE
	TOTAL STREET,	CONTRACTOR STREET, SCIENCES COMM. STANS	CATALOGIC STREET, STREET, STREET, SAN	2,653.02 2,747.55	=15.34 =16.75	19:14 	THE RESIDENCE STREET, THE PROPERTY OF THE PARTY OF THE PA	-01-77 c-634100 -1917	1	VAUHGN ENERGY SERVICE VAUHGN ENERGY SERVICE VAUHGN ENERGY SERVICE
	THE PERSON NAMED IN COLUMN TWO		121/41			-1.58		CALL MATERIAL SECTION		VAUHGN ENERGY SERVICE
BEAUTIFICATION OF THE PROPERTY.	THE RESERVE OF THE PARTY OF THE	AND THE PERSON NAMED IN COLUMN	. 127.49	SECURE OF A CHARLESTER SEC	-18.86	C. Managarit C. L. of supposed from A real by supposed	23.87	0.14	GYRO	VAUHGN ENERGY SERVIC
THE SHEETS HOUSE STATES	PERSONAL PROPERTY AND PROPERTY	CATACOMES OF COMPANY STATE	MARK MARKET AND TATE OF THE RESIDENCE OF	\$43,031.14	19.92	A THE REST OF THE PARTY OF THE	THE RESERVE OF THE PARTY OF THE	- August Strategy		VAUHGN ENERGY SERVIC
A LIBOURNALIS MANAGEMENTS	126:15	0.81	190.15	3 125 67 3 220 20	-21.14	A - A - A - A - A - A - A - A - A - A -	23.38 -23.94	AND THE PROPERTY.	GYRO GYRO	VAUHGN ENERGY SERVICE VAUHGN ENERGY SERVICE VAUHGN ENERGY SERVICE
AZENDISATIONA DESAUGUETATION	TARREST CONTRACTOR TO THE SECOND OF	THE PERSONAL SECTION	236!69	CONTRACTOR TOWN PROPERTY OF THE ACTION AND THE	22.82	。 1. 1015 是以为关系的。 1. 1015 是以为的。 1. 1015 是以为	24.77	1 0 33		VAUHGN ENERGY SERVIC
2014 7.73	V. Tare T. (200) 1679 1. (24) 2. (27)	MARKET CONTRACTOR IN SEC.	O SESTIMATIONS TO THE PROPERTY OF THE PROPERTY	3.409.28		CONTRACTOR OF THE PROPERTY OF	Personal Age of the Company of the C	Citta Model State To State St		VAUHGN ENERGY SERVIC
Marine Children Williams Commence	504"31	SOCIALIST COLUMN SERVICE DE LA COLUMN DE LA	TARREST STATE OF THE PROPERTY.	3,503.81	- 24.1.1	- 27.69	Killer Art Contract College Tree Law 1	I compromised to the sale of		VAUHGN ENERGY SERVIC
2014		WINDS ACCOUNTS OF R ASSET	89.98	3.598.34	-24.65	-28.03	-22 48	0.48	GYRO GYRO	VAUHON ENERGY SERVIC
11 (21)	693 39 +	0.93	123.60 136.34	3,692.86 3,787.38	25.27 26.70	-28:46 -29:70	-21.04 19.62	0.58		VAUHGN ENERGY SERVIC
CHARACTE PERSON	CHECKETE AT THE RES	1.78	25000年12年12日中共中国市北京	3.881.89	-28.30	THE PERSON NAMED IN COLUMN TWO	2 M 4 217.46	0.88		VAUHGN ENERGY SERVIC
VEC-1738/94/94 2007/04/2017/2017	CAMPAGE STREET, SALES BESTERNING	2.15	109.52	3,976,37,	LO MANAGEMENT TO TANK A	ar: - 32.10	-14.40	0.39	GYRO	VAUHGN ENERGY SERVIC
THE PROPERTY OF STREET PARTY OF	DESCRIPTION OF LOSS OF STREET	11.65	AND A PROPERTY OF A PROPERTY OF	4.070.86	-31:27	CALLO CONTROL SECTION	5 E11:46	7/L-01/2008/04/2012 1939 197		VAUHGN ENERGY SERVIC
		PERSONAL ACTION OF MAIN	WATER TOWNS THE SECOND SECURITY STATE OF	4:165:35	33.18	TO THE PROPERTY OF THE PARTY OF	-8.71 -5.72	0.80 0.10		VAUHGN ENERGY SERVIC VAUHGN ENERGY SERVIC
THE RESERVE THE PROPERTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PA	TOTAL PROPERTY.	2.18		4.259.82 4.354.29	* 4.35.04 * 4.38.11	STATE SECTION AND A SECURE OF SECTION	-5.73 -2.86	0.10		VAUHGN ENERGY SERVIC
STATES AND LOSS OF STREET	THE RESIDENCE OF STREET, SALES OF THE PERSON	(24 T 20) 22 T C C C C C C C C C C C C C C C C C	SCHOOL WEST SECURE SECURE	3 × 4:367.28	-38.46	がこれたない。 は は は は は は は は は は は は は	-2.48	1998年の日本の日本		VAUHGN ENERGY SERVIC

Page 1/3



Directional Survey

Sub-Division	ta range take street is		Field	Name ** ****	ower some	Region		Side Trovince
DELAWARE E	BASIN	EDOY	PA	DUCA.		DELAWARE BASIN W	and the South of the last of the last	MM.
Surface Legal Loca		He Common Addition		Latitude (°) 32° 9' 9' 41" N		(°)' Ground Ele ' 38.37" W 3.445.40		KB Elevi(ft) Tubing Head Elevation (ft)
Sec. 1 T25S R	OIE SWA			52 9 9 4 1 IV	e - 105 45) 36.37, VV 16 3,443.40	10.4	/0:40/: #3
Survey Data :	La company	AND THE RESERVE OF THE PERSON		A CONTRACTOR		DLS	Survey's	
Date (F	MD (fikB)	ncl (*)			N/S (fi)	(°/100ft)	Tool	Survey Company (1997)
10/3/2014	4,445.00	1.90	continue that the continue of the continue of	-40.46	-40.90	-0.40 0.37	MWD	LEAM DRILLING SYSTEMS
Bulensk restaurate lands (1927)	4.540.00	2.10 4.7.157	STATES SERVICE AND CONTRACTOR SEALON	₩ . ¥ 43.35	43.57	143 1094	MWD	LEAM DRILLING SYSTEMS
in a particular property of the	4 635 00	2:00 185	Little Book and Company of the Company	- 46.65	-46.83	1.94 1.06	MWD	LEAM DRILLING SYSTEMS
Burning and American	4.730.00	2.50 2.207	things things the second section of	49.94	-50.31	0.81 × 1:04 -1:60 = 0.66	MWD	LEAM DRILLING SYSTEMS VAUHGN ENERGY SERVICES
10/3/2014	7[4 824 00] 74 919 00	2.90 2.217	residual for a la first film of a construction of the	-53.26 -55.94	54.00 57.23	-5.37 1.26	MWD	LEAM DRILLING SYSTEMS
/10/3/2014 /** /10/3/2014	#5!013:00	3 20 5 239 3 60 242	CONTRACT SECURITIES AND	57.92	59.91	3.3% \$1.20 3/ =10.26 = 0.46	GYRO	LEAM DRILLING SYSTEMS
10/3/2014	35:108:00	3.60 242	THE DESIGNATION OF STREET PROSPECTORS	-59.84	-62.70	16.35	MWD	LEAM DRILLING SYSTEMS
10/3/2014	7 5 203 00	5.20 248	CONTROL OF THE PROPERTY OF THE PARTY OF THE	61.80	65.73	-23.79 0.74	MWD	LEAM DRILLING SYSTEMS
10/3/2014	5 297 00	5.70 246	ではない。 対応は、対応的ながらない。 大きなのではない。 大きないではない。 大きないではない。 大きないではないではないではないではないではないではないではないではないではないでは	64.10	-69 20	32.02 U 0.56	MWD	LEAM DRILLING SYSTEMS
10/3/2014	35 391 00 t	6.20 3 244	method Sin Section 111 and absented of	66.89	73.25	40.88 0.56	MWD	LEAM DRILLING SYSTEMS
ile and the same and the same	5 486 00	6.80 243	1000000	>	77.92	**************************************	MWD	LEAM DRILLING SYSTEMS
delimination self-risks and a self-risks	75:580:00	7.00 22 246	CHECKS THE PARTY OF THE PROPERTY OF THE	73.47	82 68	-60.80 - 0.36	MWD	LEAM DRILLING SYSTEMS
Color Charle Service and Colors	425.675.00 %	6.80 247	TOTAL SECTION AND SECURIOR SECTION	7 : 76.51	-87.22	## 71.28 0.23	MWD	LEAM DRILLING SYSTEMS
Representation of the Children	¥5769.00	6.60 247	marie William and Cale tentralism	- ***-79:32	-91:47	# % -81.39 ** 0.22	MWD	LEAM DRILLING SYSTEMS
10/3/2014	5 864 00	6.40 246	Actual Confession of the Confe	-82:09	-95.64	91.30 + 0.22	MWD	LEAM DRILLING SYSTEMS
one of the state o	75:958:00l	6.40 247	00 5.5.951.15	84.82	- 99.75	100.94 0.01	MWD	LEAM DRILLING SYSTEMS
had a state of the	(6)053'00	7. 6.10 7. 247	アルルの 日本を利用でいるのできる でん ままり 大田の一年	ar = 87.50	E . 12 - 103:79	### E110.46 0.32	MWD	LEAM DRILLING SYSTEMS
10/3/2014	T6 148 00 T.	3.5.50 248	80 6.140.10	* 1 * e-89.86	95 g -107:40	119.35 0.66	MWD	LEAM DRILLING SYSTEMS
10/3/2014	6.242.00	6 10 246	90 6,233.62		4. -110 99	-128.14 0.67	MWD	LEAM DRILLING SYSTEMS
10/3/2014	A6!336!00	5.90 246	90 6 6 327 10	* 1 . 3 - 94.76	-114.85	-137 18 0.21	MWD	LEAM DRILLING SYSTEMS
10/3/2014	6:431:00	5.90 247	20 16:421:60	497.29	118 66	# A -146 17 0.03	MWD	LEAM DRILLING SYSTEMS
10/3/2014	J6 524 00	2√6.00 ≥ 1247.	00 \$2.6514.10	J. 57-99-77	-122'41	# ₆₀ 7:155:05 ₩ 0:11	MWD	LEAM DRILLING SYSTEMS
10/3/2014	46619:00 A	5:60 248	10 6,608.61	102 18	126.08	-163.93 0.44	MWD	LEAM DRILLING SYSTEMS
10/3/2014	76 713 00	5 / 5 10 4 - 246	70 26 702 20	104.39	- 129 44	*- 172:02 ≥ 0:55	MWD	LEAM DRILLING SYSTEMS
10/3/2014	7 (6 808 00 FA FA	F 4 70 + 241	40 👺 6,796:85	-106.88	-132.97	-179.31 0.64	MWD	LEAM DRILLING SYSTEMS
10/3/2014	* 6 903 00 · ·	4.10 242	10 6,891.57	-109.41	-136:43	1.35.73 1.063 1.36 1.3	MWD	LEAM DRILLING SYSTEMS
10/3/2014	V6:997:00	*****3 90 241	STEERING THE SECTION OF SECULO SECTION	=11170	139.54	191.50 0.23	MWD	LEAM DRILLING SYSTEMS
10/3/2014	7 092 00	3:30 238	THE RESERVE OF THE PARTY OF THE PARTY OF	a-113.94	* 142.53	196.66 40.65	MWD	LEAM DRILLING SYSTEMS
10/3/2014	7,187.00	3.00 242	CONTRACTOR AND ASSESSMENT OF THE PROPERTY OF T	115.86	145.10	* 1 - 201 20 - 20 39	MWD	LEAM DRILLING SYSTEMS
10/3/2014	7-281-00	2.70 4 2 247	nding indicated and considerate and soul	117-23	147.07	205:44	MWD	LEAM DRILLING SYSTEMS
10/3/2014	7,376.00	3:00 248	and the state of t	-118.35	70 148 82	209.82 0.32	MWD	LEAM DRILLING SYSTEMS
h-fee-shop at a member of 150 had	7,436.00	2.70	CHARLE CHARLES AND STREET WAS	##### 119 13	149.98	* 212.57 5 0.60	MWD	LEAM DRILLING SYSTEMS
10/3/2014	7.7.471-00	\$#\$2!90 \$\$\tag{243}	Small Significant Puri. Submission Leaf of	119.65	150:73	# *-214.10 \$ 0.62	MWD	LEAM DRILLING SYSTEMS
when the property I would be let the	and the second second second second	5.20 2 276	Color of the Color	THE RESIDENCE PRODUCTION OF THE PARTY OF	-15144	218 43 4 99		LEAM DRILLING SYSTEMS
10/3/2014						-221.77 10.80		LEAM DRILLING SYSTEMS
								LEAM DRILLING SYSTEMS
A STATE OF THE PARTY OF THE PARTY OF	The state of the s	the TALKSTONE C IN COMESSION SHOWS A	property is program, you desire a control of the W.A., Asset L.	Service and alter Vinder Service	in which the children makes "western	231.31 210.66		LEAM DRILLING SYSTEMS
CONTRACTOR CONTROL	A CHRISTIANI COLONIA STATE A CENSOR STREET	CONTRACTOR OF THE PROPERTY OF	AND SHOW AND ADDRESS - 1980, MANUAL STATES	Later Light Committee Comm	I I What have a state of the st	-237/41 -10:72	1	LEAM DRILLING SYSTEMS
10/3/2014	CONTROL SELECTION CONTROL OF THE PROPERTY OF T	7/4/9/90] - 32/F	SC 1277 STREET READ IS NOT TO THE READ IN A STREET	ANGREGISTAN FAIRS OF ACTUALITY CHARMON STATE	-129'44'	NY ART BUY MEDICAL PROPERTY AND TO A PARTY AND A PARTY		LEAM DRILLING SYSTEMS LEAM DRILLING SYSTEMS
10/3/2014	CONTRACTOR OF CO	21 90 77 326	PROPERTY AND PROPE	SCORE TARREST AND ALCOHOLOGY	A TOTAL AND COMP. IT THE COMP.	Control of the Contro		LEAM DRILLING SYSTEMS
10/3/2014 *** 10/3/2014 ***		24 10 330. 27 10 4 332				257.15 8.22 2.263.55 -10.43		LEAM DRILLING SYSTEMS
WINDS THE CONTRACTOR SERVICES	Particularly (1979) of a new last of the passenger of the	#29:20 336	PROPERTY AND ADMINISTRATION OF THE PROPERTY OF	SALESCONDE OF SALESCEN TOWNS OF THE SALESCEN AND AND ADDRESS OF THE SALESCEN AND ADDRE				LEAM DRILLING SYSTEMS
10/3/2014	SAN RESPONSE OF ACREE AND SAN SOUTH	the supplications during a swift of a spinor consideration.	CHEEK NOT WAS AND THE PROPERTY OF THE PROPERTY	CHEST SERVICE AND MARK ASSESSMENT OF AD-	ACCOUNTS - CHANGE LOCK OF STATE PRODUCTION OF THE PROPERTY OF	275.88 8.80		LEAM DRILLING SYSTEMS
	ET MILITOR, LOCATION TO A MARKET TO A THE BEST OF THE	33.50 343		-14.39	Ch Talbarus and F. Charles T. Value of the	281.17 - 10.04		LEAM DRILLING SYSTEMS
	7,913.00	35.20 346		2.98	36:89	1-285:57 7.74		LEAM DRILLING SYSTEMS
STATE OF THE PARTY	WORN ACCOUNTS MADE IN 1 THE PLANT OF SHIP	36.70	Print of Links, dwin, drawn travillation, and build	21.11	19 14	S. P. Miller of Manager State Bill School State of Mary 1. December 2012 Section 2015		LEAM DRILLING SYSTEMS
10/3/2014	BATTEL SECTION SECTION 1991 SANSON SEE	TALL PLANTS OF THE PARTY OF THE	50 7 7 920 01	ers half it is both at a section of referring	:-0.64	PERSONAL CONTRACTOR NAMES COLUMN CONTRACTOR AND SECURITY		LEAM DRILLING SYSTEMS
10/3/2014	CALL CONTRACTOR OF MICHAEL CALL CONTRACTOR OF THE CALL CONTRACTOR OF	SHADISHER TRIBETTA DINASTE CENTRE PROPERTY OF A	7 7 944 42	Survey of the San San Carry Carry Control of Control of Carry Carr	Dylan 4: Apply survey a 701 Mes Dr. 24	Common the section of		LEAM DRILLING SYSTEMS
0/3/2014	AND THE PROPERTY OF THE PARTY O	45.80 (2 349			40.78	CONTRACTOR OF THE PROPERTY OF THE PROPERTY OF		LEAM DRILLING SYSTEMS
10/3/2014		48.90 4 349		105.61	63.95	CARRIED AND DESCRIPTION OF PRINCIPLE OF STATE OF	MWD	LEAM DRILLING SYSTEMS
			70 22 8 008 98	130.12	88.09	309.86 7.20		LEAM DRILLING SYSTEMS
SCHOOL STANSFORMS CONTRACTOR	THE REPORT OF THE LIES OF SHAPE ESPACE	53.50 349	The state of the s	155:43	THE CHARGE SAME SAME AND ASSESSED.	-314.39 7.19		LEAM DRILLING SYSTEMS
ALTERNATION AND THE DESIGNATION	CONTRACTOR OF THE PROPERTY OF	55.90 349.	THE THE PART OF STREET, STREET	180 71	WASHERING THE MINISTER WITH THE SALE	319.02 7.85		LEAM DRILLING SYSTEMS
AND ASSESSED AND PROPERTY AND		58:30 349:		206.70	CALL THE CHARLEST STATE OF THE CALL AND ADDRESS OF THE	7.74		LEAM DRILLING SYSTEMS
Market Str. Bridger and Artist of Str.	THE PERSON NAMED AND POST OF THE PERSON NAMED AND PARTY OF THE PER	60:60 349:	CESTION AND RESIDENCE TO ANY THE PROPERTY OF THE	234.23	To Shandard College and the last of the la	7:43		LEAM DRILLING SYSTEMS
CHARLES STATE OF THE SECOND	SHALL THE REPORT OF THE PARTY OF THE	63 10 350	TORNEL CHARGEST SAMPHER CONTROL TO THE SAME OF THE SAM	262.43	Children, The 1st properties of the second control of	333.77, 7.86		LEAM DRILLING SYSTEMS
BEARING TO THE RESIDENCE OF THE PARTY.	macini social and property	HORAT TELEVISION SERVICE TOWNS AND	PRINT BEET PROPERTY OF CHARLES AND THE	AN A SHOEMAN AN KAMASA MAS	VER ANDRESNIP AND PROPERTY.	a presentation and an in a little of the control of		

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Report Printed: 4/23/2015



Directional Survey

b'Division; ELAWARE		€ EDDŶ		September 19 Septe	Name DUCA 1		DELAWARE B	ASIN W	EST .	State/Provunce
rface Legal Lo ec: 1 T25S	Action Control Control Control		AP IV		atitude (°) 2° 9' 9 41" N	THE REPORT OF THE PARTY OF THE	(°). ":38:37" W	Ground Ele		KBIElev (ft) Tubing Head Elevation
urvev Data	Courses and Courses of popularity to the profession of		ia (Daulyteis	9 44 10 40	249 9:41 N) 30.31 vv	O HAU AL	4.0 ₁ 0.4	U:#U:33 - 73]
2 12 NOTE				200				ILDLS *		
Date	MD (ftKB)	Figind (*)	Azm (")	TVD (ftKB)	300 33	N/S (fl) 245	E/W (ft)	(°/100ft)	MATOOL S	Survey Company.
/3/2014 /3/2014	8,291.00 8,323.00	65.40	350.40 351.10	8,108.10 8,120.89	290:33 319:66	245.86 274.81	-338.47 -343.19	7.44	MWD	LEAM DRILLING SYSTEMS
/3/2014	8.354.00	69:60	352.00	8 132 23	348 51	303:35	-347/42	7.29	MWD	LEAM DRILLING SYSTEMS
/3/2014	8:386:00	72.40	352.00	8 142 64	378.76	333:31	351 63	1 8 75	MWD	LEAM DRILLING SYSTEMS
/3/2014	8 417 00	76 00	351.80	8:151.08	408.59	362.83	-355.84	11.63	MWD	LEAM DRILLING SYSTEMS
/3/2014	8.449.00	81.00	351/50	8.157.46	439.93	393.85	-360 39	15.65	MWD	LEAM DRILLING SYSTEMS
3/2014	8.512.00	89:30	351 80	8.162.78	******502.65	455.90	-369.50	13.18	MWD	LEAM DRILLING SYSTEMS
3/2014	8:539:00	4 90 10	351 50	8.162.92	529.65	482.62	373.42	3.16	MWD	LEAM DRILLING SYSTEMS
3/2014	8 632 00	92!60	351 50	8,160.73	622.61	574:56		* 2.69	MWD	LEAM DRILLING SYSTEMS
3/2014	77.8.726.00	91.70	351.10	8,157.21	716.54	÷≈% 667.41	-401.37	1:05	MWD	LEAM DRILLING SYSTEMS
3/2014	8/821/00	90.90	350:80	8,155.05	811/49	2761:21	416.31	10.90	MWD .	LEAM DRILLING SYSTEMS
3/2014	8.916.00	90:70	352.20	8.153.72	906.48	- 49855.15	430.35	1.49	MWD	LEAM DRILLING SYSTEMS
3/2014	9,01,1700	[08]88]	352.00	8:154.14	1,001.47	949 25	443.40	2:01	MWD	LEAM DRILLING SYSTEMS
3/2014	9 106 00	88:20	352.30	8 156 63	1,096.44	1,043,32	-456.37	0.71	MWD	LEAM DRILLING SYSTEMS
3/2014	9.201.00	87 80	354.40	8.159.94	F. 1.191.35	+ //1×137.62	- 467.37	2.25	MWD	LEAM DRILLING SYSTEMS
NAMES OF THE OWNER OF THE	9.272.00	## 88 ¹ 70	355:00	8,162.11	1,262.24	4,1,208.28	473.92	1:52	MWD	LEAM DRILLING SYSTEMS
3/2014	9,367.00	88:30	¥ 356.70°	8,164.60	1,357.00	1,303.00	480.80	1184	MWD	LEAM DRILLING SYSTEMS
3/2014	9,462.00	88.60	357.60	8,167.17	1,451.58	1 397/84	485.52	1:00	MWD	LEAM DRILLING SYSTEMS
DE CONTRACTOR DE	9,557.00	# # 89 10	358.50	8,169.07	1,546,04	1,492.77	*: 488.75	1.08		LEAM DRILLING SYSTEMS
CHARLES STA	*Ex9,652.00	88!60	n358.10	* 8,170.98	1,640,46	1,587.7,1	491.57	**0.67	MWD	LEAM DRILLING SYSTEMS
STANDAM NEEDS AND AND	9.764.00	89.90	358.70	8;172:45	1,751.76	1:699:65	-494 69	1.28		LEAM DRILLING SYSTEMS
3/2014	9/840/00	89:90	359.70	8.172.58	1,827-16	11,775.64	### -495 75	1.32	MWD	LEAM DRILLING SYSTEMS
3/2014	9.935.00	89:80	359 00	8:172:83	1,921,39	1.870.64	496.83	0.74	MWD	LEAM DRILLING SYSTEMS
3/2014 3/2014	10:029:00 10:145:00	90.40	359:20	8,172.66	2.014:68	1.964.62	-498.31 	0.67		LEAM DRILLING SYSTEMS
3/2014	10.240.00	89.70	358.30	8 171 65 8 171 40	2 129.88 2 224 45 ii	2:080:59	-505.07	2.02		LEAM DRILLING SYSTEMS
manager one and	10.335.00	90:20	356.20	8.171.48	231918	2.270:30	511.03	0.67	MWD	LEAM DRILLING SYSTEMS
3/2014	10.428.00	91 40	356.40	8:170:19	2:411:91	2:363:10	-517.03	1.31	MWD	LEAM DRILLING SYSTEMS
3/2014	T\$10.523.00	92:50	356.70	8 166 95	2.506.56	2.457.87	-522.74	1.20	MWD	LEAM DRILLING SYSTEMS
18/2	10:617:00	¥ 191750	357.60	8 163 67	2,600 13	2.551.69	527.42	143	MWD	LEAM DRILLING SYSTEMS
18/2	10.712.00	90.20	355.70	8,162.26	2.694.81	2.646.52	-532.97	2.42		LEAM DRILLING SYSTEMS
18/2	£10.806:00	190!70	356.60	8:161:53	2.788!56	2.740.30	-539.28	6 1°10		LEAM DRILLING SYSTEMS
18/2	10!901:00	88.60	354.60	8:162:11	2 883 37	2.835.01	546.56	**3.05		LEAM DRILLING SYSTEMS
ARREST CONTRACTOR STO	\$10.996.00T	87/60	355:10	Chief States Like Stuff Stock	2.978.20	2.929.57	555.09	1:18		LEAM DRILLING SYSTEMS
等等。	TOTAL STATE OF THE PARTY OF THE	STATE OF THE PARTY	新文化·中国的最大型的指令的基础的基础的基础的。	STATES AND ASSESSED ASSESSED.	SELECTION OF SECURITION OF SELECTION OF SECURITION OF SECURITIES AND SECURITION OF SEC	A STATE OF THE STA	连叶·斯克德斯斯克斯·阿斯克斯斯克	等數据多數的數學等		LEAM DRILLING SYSTEMS
CARDINARIA DE			356.40 359.70		3,071.96		-562.05 -565.28	3.60		LEAM DRILLING SYSTEMS
に対抗器である かん	11,279,00	89.40	359.00	是是一个一个,但是他们的一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	是 对文化的 类似的文化的文化的	* 3.212.20	-566 35	是和影響。時後來的		LEAM DRILLING SYSTEMS
COLUMN COURT SEC	11 374 00	89!60	358.70	The state of the s	And the second section is a second se	3.212.20	-568.26	DAMESTANCE STOR	MWD	LEAM DRILLING SYSTEMS
	11.468.00	90!70	359.90	CONTRACTOR OF THE PROPERTY OF	3 447 24	3 401 16	-569:40	1.73		LEAM DRILLING SYSTEMS
AGENTALISM NEW	11 564 00	88.50	ACTUAL TO SELECT THE PROPERTY OF	8 169 46	3,542.59	3,497,12	571:75	LACTED MACHINES 27	MWD	LEAM DRILLING SYSTEMS
CARLES CONTRACTOR CONT	11 659 00	24.87.50	CONTRACTOR SERVICE AND ADDRESS OF TAXABLE SALES	8.172.78	3.637.25	3,591.87	577-74	2.17		LEAM DRILLING SYSTEMS
MOTOR SECTION	The second of the second second second	88.00	355:00	8:176:51	3 732 03	3,686.47	585.57	0.74		LEAM DRILLING SYSTEMS
	THE PROPERTY OF THE PROPERTY OF THE PARTY OF	89.10	355.10	mental of the control	3.827.87	3,782.08	-593. 8 5	1.15		LEAM DRILLING SYSTEMS
ENGINEER ENG	¥11.945!00	90:40	35510	デスタのできる。 第122年の第122年の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の	STANDARD CONTRACTOR AND A	A STATE OF THE CHARLES OF THE THE	593:65 - 601:96	HARMET STATE EXCEN		
T-20-45-2-2-14 - 5-2-2	ALBERTA ALBERTA	第二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十	THE RESERVE OF THE PROPERTY OF THE	8.179.35	PER	3,876.73	(地方を発音を発音を) (日本の)	1:37		LEAM DRILLING SYSTEMS
CONTRACTOR SELECTION	12,041,00 12,136,00	Service and American Services	TERRITOR WAS TRANSPORTED TO	8.177.85	4,018.56	3.972.39	-609.83	1:12		LEAM DRILLING SYSTEMS
CALL STATE OF THE PARTY OF THE	MINERAL PROPERTY IN	108/90/80/ 100/70	CHARLES PROSPERED TO THE SECOND OF THE	8.176.02	4,113.38	4,067.07	617.45	0.67		LEAM DRILLING SYSTEMS
AND STEP CALLY SIX	Charles and the state of the st	92.70	ALLEGA SERVICE CONTRACTOR DE LA CO	8,173.12	4,208 11	4,161.78	624.15	2.42		LEAM DRILLING SYSTEMS
THE SECOND SEC	12:327:00	92.70	356!00	了一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	4,303.74	4.257:47	-630:34	0.62		LEAM DRILLING SYSTEMS
RELEASED SHOW	012,422.00	92.30	355.50	ASSOCIATION ACRES AND ACRES. M	4,398.45	4,352,12		ADMINISTRAÇÃO A SAMO		LEAM DRILLING SYSTEMS
THE RESERVE THE RE	12.517.00	92.00	356.20	8,160.89	4.493.17	4.446.80	644.25	"在是一个是一个工作。"	MWD	LEAM DRILLING SYSTEMS
地位在1000年10日 1000年10日	12,612,00	91.70	355:50	8:157-82	4 587.91	4 541 51	651.12	国は、製造者で大学等	MWD	LEAM DRILLING SYSTEMS
PERSONAL STATE	12,707.00	91 90	356:20	8,154.84	4,682.66	4.636.21	-657.99	0.77	MWD	LEAM DRILLING SYSTEMS
18/2.**	12,769:00	₩ 3¥ 91.90	357:10	8.152.78	4.744.42	4,698.07		作物できるから	MWD	LEAM DRILLING SYSTEMS
18/2.	12,827.00	91.90	357.10	8.150.86	4,802.17	4,755.96	-664.54	380:00	BIT	LEAM DRILLING SYSTEMS

Page 3/3

Report Printed: 4/23/2015

Form 3160-5 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

DOWNSTON AND DEPOSITS ON MELLO

FORM APPROVED OMB NO. 1004-0135 Expires: July 31, 2010

5. Lease Scrial No.

	NOTICES AND REPO				NMNM0503	
Do not use the abandoned we	is form for proposals to II. Use form 3160-3 (AP	drill or to re D) for such p	-enter an proposals.		6. If Indian, Allottee	or Tribe Name
SUBMIT IN TRI	PLICATE - Other instruc	ctions on rev	erse side.		7. If Unit or CA/Agre	eement, Name and/or No
1. Type of Well					8. Well Name and No COTTON DRAW	
☑ Oil Well ☐ Gas Well ☐ Otl		145041140	DAVEO	UNIT 172H		
Name of Operator DEVON ENERGY PRODUCT	Contact: TON CONTENAN: megan.mo	MEGAN MO oravec@dvn.co	m RAVEC	9. API Well No. 30-015-42426		
3a. Address 333 WEST SHERIDAN AVEN OKLAHOMA CITY, OK 7310	IUE 2	3b. Phone No Ph: 405-55	. (include area code 2-3622	e)	10. Field and Pool, or COTTON DRA	Exploratory W; DELAWARE
4. Location of Well (Footage, Sec., 7	., R., M., or Survey Description			11. County or Parish,	and State	
Sec 1 T25S R31E SWSE 195	FSL 1345FEL				EDDY COUNT	Y COUNTY, NM
12. CHECK APPI	ROPRIATE BOX(ES) TO	O INDICATE	NATURE OF	NOTICE, R	L EPORT, OR OTHE	ER DATA
TYPE OF SUBMISSION			ТҮРЕ С	F ACTION		
□ Nation of Intent	☐ Acidize	☐ Dee	pen	☐ Product	ion (Start/Resume)	☐ Water Shut-Off
□ Notice of Intent	Alter Casing	☐ Frac	ture Treat	□ Reclam	ation	■ Well Integrity
Subsequent Report	□ Casing Repair	□ Nev	Construction	☐ Recomp	olete	Other
☐ Final Abandonment Notice	☐ Change Plans	☐ Plug	g and Abandon	☐ Tempor	arily Abandon	Drilling Operation
	☐ Convert to Injection	g Back	☐ Water I	Disposal		
13. Describe Proposed or Completed Op If the proposal is to deepen direction. Attach the Bond under which the wo following completion of the involved testing has been completed. Final Al determined that the site is ready for f	ally or recomplete horizontally, rk will be performed or provide l operations. If the operation re pandonment Notices shall be fil	give subsurface the Bond No. of sults in a multip	locations and meas ifile with BLM/BI e completion or rec	ured and true ve A. Required su completion in a	ertical depths of all perti- bsequent reports shall be new interval, a Form 310	nent markers and zones. e filed within 30 days 60-4 shall be filed once
Unit CA/Agreement: 8910052	47X					
(10/3/14-10/6/14) Spud @ 07: set @ 800?. Lead w/ 735 sx C all BOPE @ 250/3000 psi, hel	CIC, yld 1.34 cu ft/sk. Disp	w/ 120 bbls	FW. Circ 252 sx	cmt to surf.	PT	
(10/8/14-10/11/14) TD 12-1/4/ Lead w/ 1250 sx ClC, yld 1.87 FW. Circ 70 bbls cmt to surf. F	ˈ cu ft/sk̄. Tail w/ 430 sx C	IC, yld 1.33 c	u ft/sk. Disp w/	333.1 bbls		
14. I hereby certify that the foregoing is	true and correct. Electronic Submission # For DEVON ENERG					-
Name (Printed/Typed) MEGAN N		TRODUCTIO		LATORY AN		
, tame (1 , tame as 1) peak ME OAIV II	·		THE NEGO	LATORT AN	ALIST	
Signature (Electronic S	Submission)		Date 11/05/2	2014	· · · · · · · · · · · · · · · · · · ·	
	THIS SPACE FO	OR FEDERA	L OR STATE	OFFICE U	SE	
_Approved By			Title			Date
Conditions of approval, if any, are attache certify that the applicant holds legal or equivalent would entitle the applicant to conduct the conductive transfer of the conductive transfer or the conductive trans	itable title to those rights in the		Office			

Additional data for EC transaction #276125 that would not fit on the form

32. Additional remarks, continued

(10/20/14-10/23/14) TD 8-3/4? hole @ 12827?. RIH w/ 287 jts 5-1/2? 17# HCP-110 BTC csg, set @ 12827?. Lead w/ 470 sx CIH, yld 1.98 cu ft/sk. Tail w/ 1435 sx CIH, yld 1.21 cu ft/sk. Disp w/ 297 bbls FW. Open DVT, set @ 6013.8?. Circ 255 sx cmt off top of DVT. 2nd lead w/ 430 sx Tuned Light, yld 2.67 cu ft/sk. Tail w/ 215 sx CIC, yld 1.33 cu ft/sk. Disp w/ 140 bbls FW, no cmt returns to surf. RR @ 18:00.