

Co	nfiden	tiality	/ Requested:
	Yes	N	lo

### Kansas Corporation Commission Oil & Gas Conservation Division

1321975

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

# WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R
Address 2:	Feet from
City: State: Zip:+	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxxx) (e.gxxx.xxxxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
☐ New Well ☐ Re-Entry ☐ Workover	Field Name:
□ Oil □ WSW □ SHOW   □ Gas □ D&A □ ENHR □ SIGW   □ OG □ GSW □ Temp. Abd.   □ CM (Coal Bed Methane) □ Cathodic □ Other (Core, Expl., etc.):    If Workover/Re-entry: Old Well Info as follows:	Producing Formation: Kelly Bushing: Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:  Deepening Re-perf. Conv. to ENHR Conv. to SWD  Plug Back Conv. to GSW Conv. to Producer  Commingled Permit #:  Dual Completion Permit #:  SWD Permit #:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)  Chloride content: ppm Fluid volume: bbls  Dewatering method used:  Location of fluid disposal if hauled offsite:
☐ ENHR         Permit #:           ☐ GSW         Permit #:	Operator Name:
GSW Permit #:	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	Quarter         Sec.         Twp.         S. R.         East         West           County:         Permit #:

### **AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

**Submitted Electronically** 

KCC Office Use ONLY						
Confidentiality Requested						
Date:						
Confidential Release Date:						
Wireline Log Received						
Geologist Report Received						
UIC Distribution						
ALT I II Approved by: Date:						



Operator Name:			Lease Name: _			Well #:	
Sec Twp	S. R	East West	County:				
open and closed, flow	ing and shut-in pressu	ormations penetrated. Eures, whether shut-in preith final chart(s). Attach	essure reached stati	c level, hydrosta	atic pressures, bott		
		tain Geophysical Data a r newer AND an image		gs must be ema	ailed to kcc-well-lo	gs@kcc.ks.go	v. Digital electronic log
Drill Stem Tests Taken (Attach Additional S		Yes No			on (Top), Depth an		Sample
Samples Sent to Geol	logical Survey	☐ Yes ☐ No	Nam	е		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING	RECORD Ne	w Used			
		Report all strings set-			ion, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADDITIONAL	CEMENTING / SQL	JEEZE RECORD			
Purpose:  Perforate Protect Casing Plug Back TD	Depth Top Bottom	Type of Cement	# Sacks Used		Type and P	ercent Additives	
Plug Off Zone							
Does the volume of the to		n this well? aulic fracturing treatment ex submitted to the chemical (	_	Yes [ ? Yes [ Yes [	No (If No, ski	p questions 2 ar p question 3) out Page Three	
Shots Per Foot	PERFORATIO	N RECORD - Bridge Plug	s Set/Type		cture, Shot, Cement		
	Specify Fo	ootage of Each Interval Per	forated	(A	mount and Kind of Ma	terial Used)	Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or ENH	IR. Producing Meth		Gas Lift (	Other (Explain)		
Estimated Production Per 24 Hours	Oil B	bls. Gas	Mcf Wate	er B	bls. G	as-Oil Ratio	Gravity
DISPOSITIO	ON OF GAS:	Open Hole	METHOD OF COMPLE Perf. Dually (Submit A	Comp. Cor	mmingled	PRODUCTIO	ON INTERVAL:
(If vented, Sub	omit ACO-18.)	Other (Specify)	(Submit )	100-3) (SUB	omit ACO-4)		

Form	ACO1 - Well Completion
Operator	Magellan Pipeline Company LP
Well Name	SADDLEHORN 14
Doc ID	1321975

## Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	16	10.75	10.808	225	PORTLAN D	96	NA

Darrell Wood - Edwards (Pres.) Fred Grunder - Pratt (V Pres.) John Janssen - Kiowa (Treas.) Curtis Tobias - Rice (Sec.) Justin Gatz - Reno Kent Lamb - Stafford Phil Martin - Barton Bob Standish - Pawnee Tom Taylor - At-Large



Orrin Feril, Manager 125 South Main Street Stafford, Kansas 67578 ph: (620) 234-5352 fx: (620) 234-5718 gmd5@gmd5.org www.gmd5.org

October 27, 2016

Ryan Hoffman, Director Kansas Corporation Commission Conservation Division 266 N. Main Street., Ste. 220 Wichita, KS 67202-1513

Re: Cathodic Protection Well Permits (CPB-16-01)(CPB-16-02)

Dear Mr. Hoffman,

Please find enclosed, copies of the well completion forms for the Cased Cathodic Protection Boreholes within GMD #5. As per K.A.R. 82-3-706 (k) these completion forms are being forwarded to your office for your information.

If you have any questions or comments concerning these forms, please call the office.

Sincerely,

John Hildebrand

John Hildebrand

Cc: Pipeline Controls and Services

**Enclosures:** 

# RECEIVED

Confidentiality Requested:

Yes 🗸 No

KANSAS COF OIL & GAS (

WELL CC WELL HISTORY - DI 15-151-22451-00-00

OCT 24 2016

Form ACO-1

AP / # Bend GMD #5rm must be Typed form must be Signed All blanks must be Filled

OPERATOR: License # 33883	
Name: MAGELLAN MIDSTREAM	AN CP 14 - PRATT STATION
Address 1: ONE WILLIAMS CENTER	Twp. 26 s. R. 13 ☐ East 🗹 West
Address 2: MD-272	2,550 Feet from V North / South Line of Section
City: TULSA State: OK Zip: 74172 +	3,550 Feet from East / West Line of Section
Contact Person: MARK LEPICH	Footages Calculated from Nearest Outside Section Corner:
Phone: (918) 574-7825	□ne □nw 🗹 se □sw
CONTRACTOR: License # 99975  Name: COMPANY SERVICED TOOLS	GPS Location: Lat: <u>37.813702</u> , Long: <u>-98.788733</u> (e.g. xx,xxxxx) (e.gxxx.xxxxxx)
	Datum: ☐ NAD27 ☐ NAD83 ✔ WGS84
Wellsite Geologist: N/A	County: PRATT
Purchaser: N/A	Lease Name: SADDLEHORN Well #: 14
Designate Type of Completion:	Field Name: N/A
New Well Re-Entry Workover	Producing Formation: N/A
Oil WSW SWD SIOW	Elevation: Ground:5874 Kelly Bushing: 5874
Gas D&A ENHR SIGW	Total Vertical Depth: 400 Plug Back Total Depth:
GSW Temp. Abd.	Amount of Surface Pipe Set and Cemented at: 225
CM (Coal Bed Methane)  Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used? ☐ Yes ∠ No
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set:Feet
Operator:	If Alternate II completion, cement circulated from:
	feet depth to:w/sx cmt.
Well Name:Original Total Depth:	leet deput to,
Deepening Re-perf. Conv. to ENHR Conv. to SWD Plug Back Conv. to GSW Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Commingled Powers #4	Chloride content:ppm Fluid volume:bbls
Commingled Permit #:  Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	
GSW Permit #:	Operator Name:
08/16/2016 08/17/2016 08/18/2016	Lease Name: License #:
Spud Date or Recompletion Date  Recompletion Date  Recompletion Date	QuarterSecTwpS. R East West  County:Permit #:

INSTRUCTIONS: The original form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. If confidentiality is requested and approved, side two of this form will be held confidential for a period of 2 years. Rules 82-3-130, 82-3-106 and 82-3-107 apply. Drill Stem Test, Cement Tickets and Geological Well Report must be attached.

### **AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

				,
ignatures			,	1-
itle: Krosen Madaczon	Date: _	Co	1,4	12

KCC Office Use ONLY
Confidentiality Requested
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II Approved by: Date:

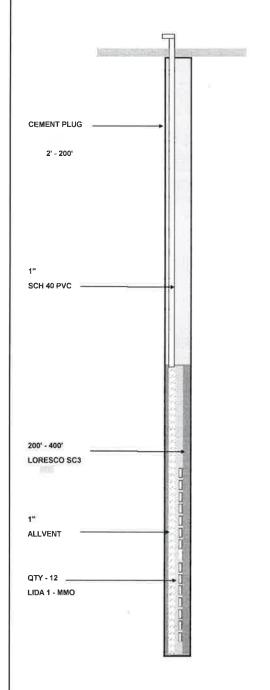
### Page Two

Operator Name: MAC	GELLAN MIDSTR	EAM	Lease N	Name: _	SADDLEHOR	RN	_ Well #: _14	ļ	
	s. <sub>R</sub> .13		County:	PRAT	ГТ				
open and closed, flow and flow rates if gas to Final Radioactivity Lo	ving and shut-in pressu o surface test, along w g, Final Logs run to ob	ormations penetrated. I ures, whether shut-in provith final chart(s). Attacl otain Geophysical Data or newer AND an image	essure reach n extra shee and Final El	hed stati t if more ectric Lo	ic level, hydrost space is neede	atic pressures, bo ed.	ottom hole tem	nperature, 1	fluid recovery,
Drill Stern Tests Taker (Attach Additional S		Yes No		<b>V</b> L	_og Format	ion (Top), Depth	and Datum	V	Sample
Samples Sent to Geo	logical Survey	Yes No		0 Nam	ie		45 <sup>Top</sup>	С	Datum LAY
Cores Taken Electric Log Run		☐ Yes ☑ No ☐ Yes ☑ No		45 175			170 200	С	AND LAY
List All E. Logs Run:				200			400	R	ED CLAY
		CASING	RECORD	Ne	ew Used				
		Report all strings set-	conductor, su	rface, inte					
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weig Lbs./		Setting Depth	Type of Cement	# Sacks Used		and Percent Additives
SURFACE	16	10.75	10.808		225	PORTLAND	96		
Ł		ADDITIONA	CEMENTIN	JG / SOI	JEEZE RECORI	)	4:		
Purpose:	Depth Top Bottom	Type of Cement	# Sacks		JEEZE NEGGNE		Percent Additive	es	
Perforate Protect Casing Plug Back TD Plug Off Zone									
1 ldg 011 20110									
Does the volume of the to	•	n this well? aulic fracturing treatment e submitted to the chemical				No (If No, s	kip questions 2 kip question 3) Il out Page Thre		O-1)
Shots Per Foot	0 11 5	DN RECORD - Bridge Plug ootage of Each Interval Pe				acture, Shot, Ceme Amount and Kind of N		ord	Depth
				_					
TUBING RECORD:	Size:	Set At:	Packer At	:	Liner Run:	Yes N	0		
Date of First, Resumed	Production, SWD or ENH	Producing Met	hod:	9 []	Gas Lift	Other (Explain)			
Estimated Production Per 24 Hours	Oil B	Bbls. Gas	Mcf	Wat	er I	Bbls.	Gas-Oil Ratio		Gravity
DISPOSITIO	ON OF GAS:	Open Hole	METHOD OF	-		ommingled	PRODUCT	TION INTER	.VAL:
(If vented, Sub		Other (Specify)		(Submit		bmit ACO-4)			

# HYDRAULIC FRACTURING FLUID PRODUCT COMPONENT INFORMATION DISCLOSURE

STREAM  Longlude: -98.788733  Tota Vertical Depth (TVD); 400  Total Namber: Concentration   Total Pertical Depth (TVD); 400  Total Namber (CAS 4)   Mayrimin ingredient Concentration   Total Pertical Depth (TVD); 400  Total Namber (CAS 4)   Mayrimin ingredient Concentration   Total Pertical Depth (TVD); 400  Chemical Abstract   Mayrimin ingredient Concentration   Total Pertical Depth (TVD); 400  Total Depth (TVD	ator Name: MAGELLAN MIDSTR  Ide: 37.813702  uction Type: N/A  de Name Supplier Purpose	Ingredients		SADDLEH	Rum:	41
True Vertical Depth (TVD), 400  Total Depth (TVD), 400  Chemical Abstract Service Number (CAS #) In Additive (% by mass)**  Chemical Abstract Service Number (CAS #) Ingredient Concentration In Additive (% by mass)**  Additive (% by mass)**  Total Additive (% by mass)**  Additive (% by mass)**  Total Additive (% by mass)**  Additive (% by mass)**  Total Additive (% by mass)**  Additive (% by mass)**  Total Additive (% by mass)**  Additive (% by mass)**  Total Additive (% by mass)**  Total Additive (% by mass)**  Additive (% by mass)**  Total Additive (% by mass)**  Additive (% by mass)**  Total Additive (% by mass)**  Total Additive (% by mass)**	uction Type: N/A uulic Fracturing Fluid Composition: de Name Supplier Purpose	Ingredients	88733	Da	itum:	
True Verifical Depth (TVD), 400  Chemical Abstract Service Number (CAS 4)  In Additive (% by mass)***  Chemical Abstract In Additive (% by mass)***  Pervice Number (CAS 4)  In Additive (% by mass)***  Additive (% by mass)***  Pervice Number (CAS 4)  In Additive (% by mass)***  Pervice Number (CAS 4)  In Additive (% by mass)***  Pervice Number (CAS 4)  In Additive (% by mass)***  Pervice Number (CAS 4)  Pervice	uction Type: N/A Iulic Fracturing Fluid Composition: de Name Supplier Purpose	True Vertical Depth (Ingredients	700			
	de Name Supplier Purpose	Ingredients	TVD) 400	Tot	tal Base Fluid Volume (gal)*:	
E I	Supplier	Ingredients				
Ingrodients shown above are subject to 29 CRF 1910,1200() and appear on Material Safety Data Sheets (MSIDS), Ingredients shown below are labeled to 29 CRF 1910,1200() and appear on Material Safety Data Sheets (MSIDS), Ingredients shown below are labeled to 29 CRF 1910,1200() and appear on Material Safety Data Sheets (MSIDS), Ingredients shown below are labeled to 29 CRF 1910,1200() and appear on Material Safety Data Sheets (MSIDS), Ingredients shown below are labeled to 29 CRF 1910,1200() and appear on Material Safety Data Sheets (MSIDS).			Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Authorized Representative's Name, Address, and Phone Numbe
Ingrodients shown above are subject to 29 CRF 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.						
Ingredients shown above are subject to 29 CRF 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.						
Ingredients shown above are subject to 29 CRF 1910 12000) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.						
Ingredients shown above are subject to 29 CRF 1910.1200() and appear on Material Safety Data Sheets (MSDS), Ingredients shown below are Non-MSDS.						
Ingredients shown above are subject to 29 CRF 1910.1200() and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.						
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Ingredients shown above are subject to 29 CRF 1910.1200(i) and appear on Material Safety Data Sheets (MSDS), Ingredients shown below are Non-MSDS.						
Ingredients shown above are subject to 29 CRF 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.						
Ingredients shown above are subject to 29 CRF 1910.1200(f) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS,						
Ingredients shown above are subject to 29 CRF 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.						
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Ingredients shown above are subject to 29 CRF 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.						
Ingredients shown above are subject to 29 CRF 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.						
Ingredients shown above are subject to 29 CRF 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.						
Ingredients snown above are subject to 29 CRF 1910. (2001) and appear on Material Safety Data Sneets (MSDS). Ingredients shown below are Non-MSDS.						
	urents shown above are subject to 27 CR	F 1910.1200(I) and appear on Material Safety Data	Sneets (MSDS), ingredier	its snown below are Non-MSDS.		





DEPTH DRILLING LOG - SOIL COMPOSITION

עניות ו	DKILLING LOG - SOIL COMPOSITION	_		
0	CLAY		210	RED CLAY
5	CLAY	Γ	215	RED CLAY
10	CLAY	Γ	220	RED CLAY
15	CLAY	Γ	225	RED CLAY
20	CLAY	Г	230	RED CLAY
25	CLAY		235	RED CLAY
30	CLAY	Г	240	RED CLAY
35	CLAY	Г	245	RED CLAY
40	CLAY	Γ	250	RED CLAY
45	SAND	Γ	255	RED CLAY
50	SAND	Γ	260	RED CLAY
55	SAND	Γ	265	RED CLAY
60	SAND	Г	270	RED CLAY
65	SAND	Γ	275	RED CLAY
70	SAND	Γ	280	RED CLAY
75	SAND	Г	285	RED CLAY
80	SAND	Γ	290	RED CLAY
85	SAND	Γ	295	RED CLAY
90	SAND	Г	300	RED CLAY
95	SAND	Г	305	RED CLAY
100	SAND	Г	310	RED CLAY
105	SAND	Г	315	RED CLAY
110	SAND		320	RED CLAY
115	SAND		325	RED CLAY
120	SAND		330	RED CLAY
125	SAND		335	RED CLAY
130	SAND		340	RED CLAY
135	SAND		345	RED CLAY
140	SAND		350	RED CLAY
145	SAND	L	355	RED CLAY
150	SAND		360	RED CLAY
155	SAND		365	RED CLAY
160	SAND	Ĺ	370	RED CLAY
165	SAND		375	RED CLAY
170	SAND		380	RED CLAY
175	CLAY		385	RED CLAY
180	CLAY		390	RED CLAY
185	CLAY	Ĺ	395	RED CLAY
190	CLAY		400	RED CLAY
195	CLAY			
200	CLAY			

### CATHODIC PROTECTION WELL LOG/COMPLETION REPORT



235 Hembree Park Drive Roswell, GA 30076 770.619.5666

www.pipecs.com

CLIENT: MAGELLAN MIDSTREAM

DATE: 08/16/16

PIPELINE: SADDLEHORN 20" CRUDE PIPELINE LOCATION: CP 14 - PRATT STATION

COUNTY: PRATT

GPS COORDINATES: 37.813723° -98.788740°

CORROSION TECH: PERMIT # CPB 16-01

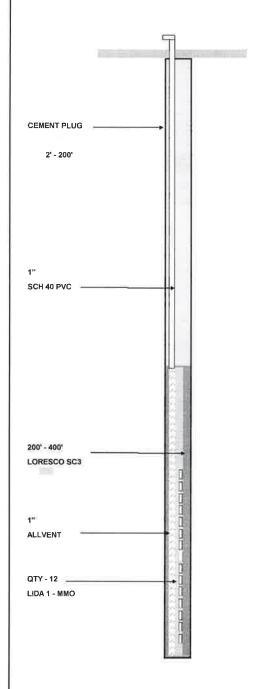
WATER WELL R				Division of Water						
Original Record	Correction	ge in Well Use	Reso	urces App. No.		Well ID				
1 LOCATION OF W	ATER WELL:	Fraction								
County: PRATT		NW 1/4 NE 1/4 SE 1/4	1/4	6	T 26 S	R 13 □ E ■ W				
2 WELL OWNER: Last Name: First: Street or Rural Address where well is located (if unknown, distance and										
Business: MAGELLA	Business: MAGELLAN MIDSTREAM  direction from nearest town or intersection): If at owner's address, check here:									
Address: ONE WILI						ND NW30TH, 3090				
Address: MD-272					T MAGELLAN PL					
City: TULSA	State: OK	ZIP: 74172	-EEI IO IF	1E SOUTH A	I WAGELLAN FU	JULY STATION				
3 LOCATE WELL	A DEPTH OF CO.	ANT DEED MENT	400 0		37 81370	)2(decimal degrees)				
WITH "X" IN		MPLETED WELL: .		5 Latitude	00.700	(decimal degrees)				
SECTION BOX:	Depth(s) Groundwater	de:	-98.788733 (decimal degrees)							
N	N 2) ft. 3) ft., or 4) □ Dry Well   Ho					Horizontal Datum: ■ WGS 84 □ NAD 83 □ NAD 27				
WELL'S STATIC WATER LEVEL: ft. Source for Latitude/Longitude:										
	below land surface, measured on (mo-day-yr) GPS (unit make/model:									
NWNE						abled?  Yes No)				
		water was ft		Land	Survey Topogra	iphic Map E EARTH				
W		rs pumping		Onlii	ne Mapper: MANA	É ÉARTH				
SW SE		water was fi								
		rs pumping	gpm	6 Elevatio	n: 1963 ft.	■ Ground Level □ TOC				
	Estimated Yield:	gpm 16 in. to225	١ ۵	Source: [	☐ Land Survey ☐ (	GPS Topographic Map				
S	Bore Hole Diameter: .	10 · · · · · · · · · · · · · · · · · · ·	π. and							
1 mile		10 in to 400	п.		_ Other					
7 WELL WATER TO				10 - 0" -						
1. Domestic:		ater Supply: well ID		10. ∐ Oil F:	ield Water Supply: le	ease				
Household		ng: how many wells?			e: well ID					
Lawn & Garden		Recharge: well ID			l 🔲 Uncased 🔲 🤇					
☐ Livestock		ng: well ID			nal: how many bores					
2. Irrigation		tal Remediation: well ID		a) Close	d Loop   Horizont	al   Vertical				
3. ☐ Feedlot	☐ Air Sparg		Extraction	b) Open	Loop Surface Dis	scharge				
4. ☐ Industrial	☐ Recovery	☐ Injection		13. Other	(specify): CALIDO	DIC PROTECTION				
Was a chemical/bacter	riological sample subi	nitted to KDHE?	Yes No	If ves, date sa	mple was submitte	d:				
Water well disinfected?				J - ,	1					
9 TVDF OF CASING	HCFD. Ctasl D	IC Othor	CASIN	IG IOINTS:	Clued T Clamped	I □ Welded □ Threaded				
Casing diameter 10	225	Diameter	in to	f Diamete	in to	ff				
Casing diameter10 Casing height above land	111. 10	., Diameter	)8 1ba/#	Well thickness	s or gauge No. SDF	26				
			19 108./11.	wan unckne	ss of gauge 140. A.T.	N. FR. Y				
TYPE OF SCREEN OF				□ 04b	(G:£.)					
☐ Steel ☐ Stainless Steel ☐ Fiberglass ☐ PVC ☐ Other (Specify)										
_			sea (open noie	)						
SCREEN OR PERFOR					104 (0 :0)					
☐ Continuous Slot		Sauze Wrapped   To				******				
	☐ Key Punched ☐ \			one (Open Hole						
SCREEN-PERFORAT										
	CK INTERVALS: Fro									
9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other										
9 GROUT MATERIAL: ■ Neat cement										
Nearest source of possible contamination:										
Septic Tank	☐ Lateral Lin	es		Livestock Pens	☐ Insection	cide Storage				
☐ Sewer Lines	☐ Cess Pool	Sewage Lag	goon 🔲 🗎	Fuel Storage	☐ Abando	oned Water Well				
☐ Watertight Sewer Lin				Fertilizer Storag	ge 🔲 Oil We	ll/Gas Well				
Other (Specify) Direction from well? NORTHWEST Distance from well? 2800 ft.										
Direction from well? NC	RTHWEST	Distance from we	11? 2800		ft.					
10 FROM TO	LITHOLO		FROM	TO LI	THO. LOG (cont.) or	PLUGGING INTERVALS				
	CLAY	010 20 0								
	SAND									
			1							
	CLAY		+							
200 400 F	RED CLAY		-							
			Notes:							
			1							
11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, reconstructed, or plugged										
under my jurisdiction and was completed on (mo-day-year) 08/18/2016 and this record is true to the best of my knowledge and belief										
under my jurisdiction and was completed on (mo-day-year) .08/18/2016 and this record is true to the best of my knowledge and belief.  Kansas Water Well Contractor's License No. 922 This water Well Record was completed on (mo-day-year) .10/18/2016										
under the business name of PIPELINE CONTROLS & SERVICES Signature										
Mail 1 white conv alo	ong with a fee of \$5.00 for ea	ch constructed well to: Kan	sas Department	of Health and Env	vironment, Bureau of Wa	ater, GWTS Section,				
	t., Suite 420, Topeka, Kansa									
Visit us at http://www.kdheks			KSA 82a-12			Revised 7/10/2015				
	The state of the s									

### GMD #5 CATHODIC WELL COMPLETION (AS BUILT) PLAN PURSUANT TO K.A.R. 82-3-706 Big Bend Groundwater Management District No. 5

125 South Main St. P.O. Box 7

Staffor	d, Kansas 67	578			ICT PERMIT N	NUMBER		
Middle and an and an and an				Section	Township	Range		
Well Location: C714 - PART STATEMENT	NW.	15		Section		13W		
County PRATT	14 44 14	NE 14	5W 14	6	265	1300		
APPLICANT:			OR/DRILLE		License No	922		
Contact Person: Mark LETTECH	_		ח: ואינילו					
Name MALCILL AN MEDERAGEAN	. Ne	me. 737	عب والله	The w	<u>cu</u>			
Address ONE WELLEAMS CENTED	Ad	dress: 29	5386 57	Hw2 2	9			
City/State/Zip Code: TULMA OK 74172	City/State/Zip Code Marious, Ok. 73056							
Telephone No. 713.905.0219	Telephone No 580. LSV. 6042							
Fax No.	Fa	x No.						
Onti Cuttings Recorded At 5 Feet Intervals? (minimum allowable) TES  If "NO". What interval?  Drillers Log attached? NO (circle one)  Geophysical/Electrical logs completed. YES (circle one)  Geophysical/Electrical logs attached. YES (circle one)  Bore hole completion: Cased Uncased	> NO (circle one	)	sw	8 9 9				
Diameter 16" casonis - 18" Bonewas	Dui@inn mit n		Miles Vers	a Mat				
Casing material RL	Ditting pit c	onstruction:	(Mark Yes o	r real				
Outside diameter of surface casing: 10.75	A Hydraul	ic condutivity	of bottom and	side less than	1 x 10 <sup>-2</sup> cm sec			
Minimum wall thickness . 519	A Hydraulic condutivity of bottom and side less than 1 x 10° cm.sec:  8 Above Ground:							
SDR 21	COMMO STEEL 7x							
Casing interval 3' 75 2%								
Centralizer locations: 10,45, 40,120,40,100,20 feet bis								
Grout material Company	Number of copies of well completion form submitted to GMD #5"							
Grout intervals 3' to 215' feet bis	Number of copies of geophysical/electrical logs submitted to GMD =5.							
Anode conductor (backfill) material: Lo 1340 563 Ariode conductor interval: 12-5 to 4-9 feet bis	Number of copies of Completion ias built plant form submitted to GMD #5:							
Anode conductor interval: 325 to 459 feet bis Anode interval 225 to 3457 feet bis	White of the	pies et comp	etion ias outre p	nary ioun siton	nasa ta cuma sa			
Andre Milet Vali — 21 10 311 leet bis	L							
FROM TO UTHOLOGIC LOG	FROM	TO	T	LITHOL	OGICLOG			
SEE ATTACHED LOC								
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				= - Illininian				
				_				
		Contract on the Contract of th		26-				
	Da	te Submitted	i: Ç	0/24/1	-			





DEPTH DRILLING LOG - SOIL COMPOSITION

DEPTH	DRILLING FOR - 2011 COMPOSITION			
0	CLAY		210	RED CLAY
5	CLAY		215	RED CLAY
10	CLAY		220	RED CLAY
15	CLAY		225	RED CLAY
20	CLAY		230	RED CLAY
25	CLAY		235	RED CLAY
30	CLAY	î	240	RED CLAY
35	CLAY		245	RED CLAY
40	CLAY		250	RED CLAY
45	SAND		255	RED CLAY
50	SAND		260	RED CLAY
55	SAND		265	RED CLAY
60	SAND		270	RED CLAY
65	SAND		275	RED CLAY
70	SAND		280	RED CLAY
75	SAND		285	RED CLAY
80	SAND		290	RED CLAY
85	SAND		295	RED CLAY
90	SAND		300	RED CLAY
95	SAND		305	RED CLAY
100	SAND		310	RED CLAY
105	SAND		315	RED CLAY
110	SAND		320	RED CLAY
115	SAND		325	RED CLAY
120	SAND		330	RED CLAY
125	SAND		335	RED CLAY
130	SAND		340	RED CLAY
135	SAND		345	RED CLAY
140	SAND		350	RED CLAY
145	SAND		355	RED CLAY
150	SAND		360	RED CLAY
155	SAND		365	RED CLAY
160	SAND		370	RED CLAY
165	SAND		375	RED CLAY
170	SAND	ij	380	RED CLAY
175	CLAY		385	RED CLAY
180	CLAY		390	RED CLAY
185	CLAY		395	RED CLAY
190	CLAY		400	RED CLAY
195	CLAY			
200	CLAY			
		_		

### CATHODIC PROTECTION WELL LOG/COMPLETION REPORT



235 Hembree Park Drive Roswell, GA 30076 770.619.5666

www.pipecs.com

CLIENT: MAGELLAN MIDSTREAM

DATE: 08/16/16

PIPELINE: SADDLEHORN 20" CRUDE PIPELINE LOCATION: CP 14 - PRATT STATION

COUNTY: PRATT

GPS COORDINATES: 37.813723° -98,788740°

CORROSION TECH: PERMIT # CPB 16-01

CP 14- PRATT STATES