KOLAR Document ID: 1778256

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

Form ACO-1
January 2018
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.:						
Name:	Spot Description:						
Address 1:	SecTwpS. R □East □ West						
Address 2:	Feet from North / South Line of Section						
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.xxxxx) (e.gxxx.xxxxxx)						
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84						
Purchaser:	County:						
Designate Type of Completion:	Lease Name: Well #:						
New Well Re-Entry Workover	Field Name:						
	Producing Formation:						
☐ Oil ☐ WSW ☐ SWD	Elevation: Ground: Kelly Bushing:						
☐ Gas ☐ DH ☐ EOR	Total Vertical Depth: Plug Back Total Depth:						
☐ OG ☐ GSW							
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Fee						
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:						
Well Name:	feet depth to:w/sx cmt.						
Original Comp. Date: Original Total Depth:							
☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD	Drilling Fluid Management Plan						
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)						
	Chloride content: ppm Fluid volume: bbls						
Commingled Permit #:	Dewatering method used:						
Dual Completion Permit #:							
SWD Permit #:	Location of fluid disposal if hauled offsite:						
EOR Permit #:	Operator Name:						
GSW Permit #:	Lease Name: License #:						
	Quarter Sec TwpS. R						
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	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 ☐ Drill Stem Tests Received								
Geologist Report / Mud Logs Received								
UIC Distribution								
ALT I II III Approved by: Date:								

KOLAR Document ID: 1778256

Page Two

Operator Name: _			Lease Name:				Well #:			
Sec Twp.	S. R.	E	ast West	County:						
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,		
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log		
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample		
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum		
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No							
		B	CASING eport all strings set-c		New Used	ion, etc.				
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives		
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD					
Purpose:		epth T Bottom	ype of Cement	# Sacks Used	Type and Percent Additives					
Perforate Protect Casi Plug Back T										
Plug Off Zor										
Did you perform a Does the volume Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,		
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)				
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity		
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom		
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT		
,	,			B.11 B1						
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record		
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:						
TODING RECORD:	. 3126.	Set	n.	i donei Al.						

Form	ACO1 - Well Completion
Operator	McGinness Energy Company, Inc.
Well Name	SCROOGE 2H
Doc ID	1778256

Casing

Purpose Of String	Size Hole Drilled	Size Weight Setting Casing Depth Set					Type and Percent Additives
Conductor	30	20	70	60	Sx Grout	10	NA
Surface	12.25	9.625	.625 36 1009		Common 335		1% SMS, 2% CC
Intermedia te	8.625	7	29	5156 Class H 40		I -	2% gel, .3 C17, .1 FWCA
Production	6.25	4.5	13.5	9140	Allamon	0	See Report



INVOICE

DATE	INVOICE#
2/8/2024	13307

BILL TO

McGINNESS ENERGY COMPANY INC 9330 E CENTRAL AVE SUITE 300 WICHITA, KS 67206 **REMIT TO**

EDGE SERVICE, INC. PO BOX 609 WOODWARD, OK 73802

COUNTY	Start Date	Work Order	Rig Number	LEASE NAME	Terms
KIOWA	2/7/2024	7792		SCROOGE 2H	Due on rec

Description

DRILLED 85' OF 30" CONDUCTOR HOLE
DRILLED 6' OF 76" HOLE
FURNISHED AND SET 6' X 6' TINHORN CELLAR
FURNISHED 85' OF 20" CONDUCTOR PIPE
DRILL MOUSE HOLE
FURNISHED 85' OF 16" CONDUCTOR PIPE FOR MOUSEHOLE
FURNISHED MUD, WATER, AND TRUCKING
FURNISHED WELDER AND MATERIALS
FURNISHED 7 YARDS OF SACK GROUT FOR CONDUCTOR HOLE
FURNISHED 2 YARDS OF SACK GROUT FOR MOUSEHOLE
FURNISHED GROUT PUMP

TOTAL BID \$24,000.00

LEASE NAME: SCROOGE 2H

Sales Tax (8.25%)

\$580.91

Thank you for your business.

TOTAL

\$24,580.91

Jan 2/4/24 1120

Quasar Energy Services, Inc. 3288 FM 51 Gainesville, TX 76240

Invoice

Date	Invoice #
2/12/2024	154412

Bill To

McGinness Energy 1635 Waterfron Parkway, Suite 220 Wichita, KS 67206 As of 09/22/2015 any invoice with a discount must be paid within 60 days of the invoice date. After 60 days the discount will be removed and the invoice will reflect the full price.

Well

Scrooge 2-7

Description	Quantity	Rate	Amount
Mileage-Pickup	160	5.58	892.80
Mileage-Equipment Mileage	320	8.72	2,790.40
Pumping Service Charge 1	1	2,315.25	2,315.25
Plug Container	1	347.29	347.29
Cement-Class A (LB)	125	23.54	2,942.50
Cement-Lite-A(LB)	210	23.54	4,943.40
C-41L Defoamer Liquid	4	48.63	194.52
Calcium Chloride	235	1.53	359.55
Cello Flakes	75	2.78	208.50
Salt	600	0.53	318.00
Sodium Metasilicate(SMS)C-45	118	2.44	287.92
Sugar	100	2.78	278.00
Subtotal			15,878.13
Discount 15%		-15.00%	-2,381.72
		ŀ	
<u></u>			

Total \$13,496.41
Payments/Credits \$0.00

Balance Due

\$13,496.41

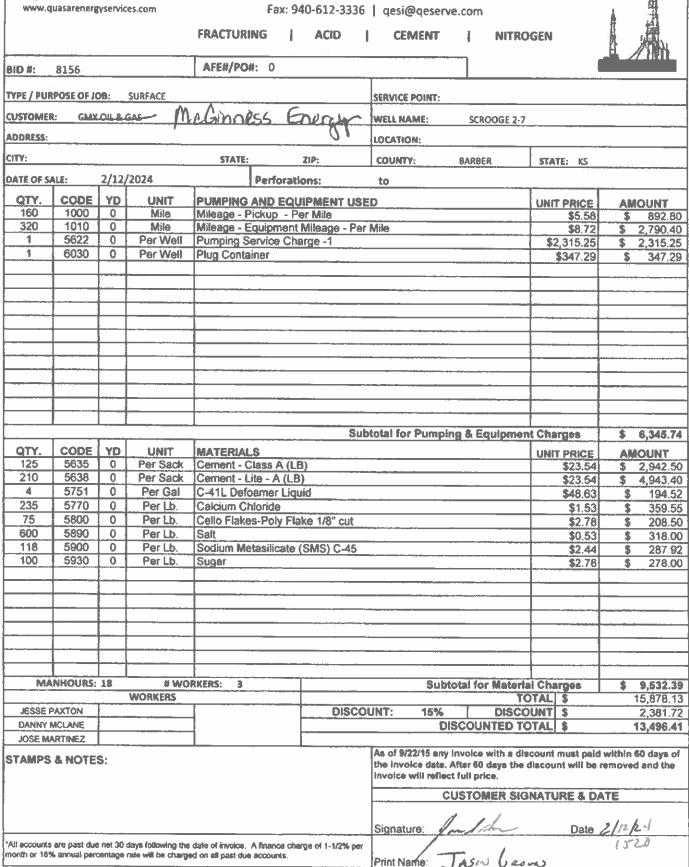
All accounts are past due net 30 days following the date of invoice. A finance charge of 1.5% per month or 18% annual percentage rate will be charged on all past due accounts.

QUASAR ENERGY SERVICES, NC.

QUASAR ENERGY SERVICES, INC.

3288 FM 51

Gainesville, Texas 76240 Office: 940-612-3336



QUASAR ENERGY SERVICES, INC.



CEMENTING JOB LOG

3288 FM 51

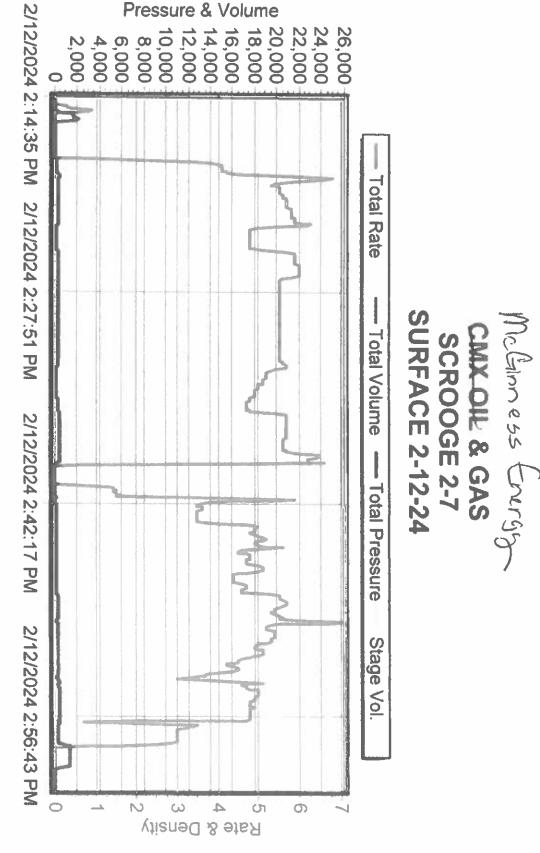
Gainesville, Texas 76240 Office: 940-612-3336

Fax: 940-612-3336 | gesi@geserve.com

Form 185-2q

2/12/24 CEMENTING JOB LOG

Company: McGarles may EMX-OIL & GAS Well Name: SCROOGE 2-7 Type Job: **SURFACE** AFE#: 0 **CASING DATA** Size: 95/8 Grade: Ö Weight: 36 **Casing Depths** Top: 0 Bottom: 0 **Drill Pipe:** 0 Size: Weight: 0 Tubing: Size: 0 Weight: 0 Grade: TD (ft): 1109 Open Hole: Size: 12 1/4 1109 T.D. (ft): **Perforations** From (ft): 0 Packer Depth(ft): 0 **CEMENT DATA** Spacer Type: ft 3/sk Sks Yield Amt. Density (PPG) LEAD: CLASS A 65/35/6, 3% SALT, 1/4# CELLFLAKE **Excess** ft 3/sk Amt. 210 Sks Yield 2.06 Density (PPG) 432.6 12.3 TAIL: CLASS A 1% SMS, 2%CC, 1/4# CELLFLAKE **Excess** 125 Sks Yield $ft^3/_{sk}$ Amt. 1.57 Density (PPG) 196.25 13.95 WATER: FRESH Lead: 57.5 gals/sk: 11.5 Tail: 23.8 gals/sk: 8 81.3 Total (bbls): Pump Trucks Used: DP 4 **Bulk Equipment:** 660-24 Disp. Fluid Type: FRESH Amt. (Bbls.) 74.86 Weight (PPG): 8.33 Mud Type: Weight (PPG): **COMPANY REPRESENTATIVE: CEMENTER: JESSE PAXTON** TIME PRESSURES PSI **FLUID PUMPED DATA REMARKS** AM/PM Casing **Tubing ANNULUS** TOTAL **RATE** 1000 ON LOC / RIG UP 1413 PSI TEST 2000 1418 300 77.04 5.5 **PUMP LEAD CEMENT** 1432 360 34.95 5.5 **PUMP TAIL CEMENT** 74.86 1440 300 5 **DISPLACE (CEMENT @448BL)** 1457 500 3 **SLOW RATE** 1459 650 LAND @650 PSI UP TO 1450 1500 RELEASE FLOAT HELD JOB COMPLETE THANK YOU!!



Quasar Energy Services, Inc. 3288 FM 51 Gainesville, TX 76240



Invoice

Date	Invoice #
3/12/2024	154755

Bill To

CMX Oil & Gas 9330 E Central, Suite 300 Wichita, KS 67206 As of 09/22/2015 any invoice with a discount must be paid within 60 days of the invoice date. After 60 days the discount will be removed and the invoice will reflect the full price.

Well

Scrooge 2H

Description	Quantity	Rate	Amount
Mileage-Pickup	160	5.58	892.80
Mileage-Equipment Mileage	320	8.72	2,790.40
Wait -Per Unit/Per Hour	[11]	577.50	6,352.50
Pumping Service Charge -2	1	3,307.50	3,307.50
Plug Container	1	347.29	347.29
Cement-Lite-H(LB)	40	26.85	1,074.00
C-17 Fluid Loss	U	12.35	135.85
C-41L Defoamer Liquid	3	48.63	145,89
Tactical Blitz	80	2.63	210.40
Gel (Bentonite)	75	0.36	27.00
C-51 FWCA	4	11.95	47.80
Subtotal			15,331.43
Discount 15%		-15.00%	-2,299.71
	1		
	i l		
		ì	
		İ	

Total \$13,031.72

Payments/Credits \$0.00

Balance Due

\$13,031.72

All accounts are past due net 30 days following the date of invoice. A finance charge of 1.5% per month or 18% annual percentage rate will be charged on all past due accounts.

2/20/2024 1:47:57 AM Stage Vol. 2/20/2024 1:33:06 AM - Total Rate 7" INTERMEDIATE 02/20/2024 2/20/2024 1:18:15 AM - Pressure 1 — Density 2/20/2024 12:49:23 AM 2/20/2024 1:03:24 AM 900 800 700 600 500 300 100 1,900 1,800 1,300 1,200 1,100 1,000 1,500 1,400 Pressure & Volume

CMX OIL & GAS SCROOGE #2H Rate & Density

Form 185-2q

www.quasarenergyservices.com

QUASAR ENERGY SERVICES, INC.

3288 FM 51

Gainesville, Texas 76240
Office: 940-612-3336
Fax: 940-612-3336 | qesi@qeserve.com
FRACTURING | ACID | CEMENT | NITROGEN

AFER/POS: 0

BID #:	#: 8157 AFE#/PO#: 0													
TYPE / PU	RPOSE OF J	DB:	INTERMEDIATE				SERVICE POINT:	Liberal, KS						
CUSTOME	R: CMX	Oil &	GAS				WELL NAME:	SCROOGE #2H						
ADDRESS:	0220	E CEN	ITRAL SUITE 300				LOCATION: HARDTNER, KS							
		-	ITIONE SOFTE SUC	,				PURDINER, IS						
CITY:	WiC	ATI		STATE:	KS Z	P: 67206	COUNTY: 8	ARBER	STATE:	KS				
DATE OF S	ALE:	2/20/	/2024		Perforation	nes:	to							
QTY.	CODE	VD.	UNIT	PUMPING /	MD FOUR	PREMITUSE	D		UHAT P	DICE	ABM	TNUC		
160	1000	L	Mile	Mileage - Pi			<i>y</i>			\$5.58		892.80		
320	1010	ī	Mile	Mileage - Ed			Mile			88.72				
11	1020	C			Vait - Per Unit Per Hour							6,352.50		
1	5623	L	Per Well	Pumping Se	ervice Char	ge -2				77.50 07.50		3,307.50		
1	6030	L	Per Weil	Plug Contai	ner				\$3	47.29	\$			
									- 34	-				
										-				
										_				
							v							
						Sub	total for Pumping	& Equipment			\$ 13,690.49			
QTY.	CODE	YD	UNIT	MATERIAL					UNIT P		of the ball of the ball	OUNT		
40	5637	L	Per Sack	Cement - C						26.85		1,074.00		
11	5693	L	Per Lb.	C-17 Fluid L						12.35	\$	135.85		
3	5751	L.	Per Gal	C-41L Defo		d				48.63	\$	145.89		
80	5803	Ŀ	Per Lbs.	Tactical Blit						\$2.63	\$	210.40		
75 4	5840	L.	Per Lb.	Gel (Bentin C-51 FWC/						\$0.36	<u>\$</u>	27.00		
_	3930	L	Per Lb.	C-ST PHICE						11.95		47.80		
	-													
										-				
	-													
M	ANHOURS:	45		ROCERS: 3			Subtot	al for Material				1,640.94		
	200		WORKERS			Se Perilineses		The second second	TOTAL \$			5,331.43		
KIRBY	HARPER				-	DISCO		DISCO				2,299.71		
	CHEVARIA	_		-	-		DISC	COUNTED TO	TAL \$		1	3,031.72		
STAMP			SCRO	OGE	2H	_	As of 9/22/15 any in the invoice date. Aff invoice will reflect for	lar 60 days the d ull price.	Bacount	will be	гетномен			
1	FE Nu		00	15-		_	CUS	STOMER SIGN	MATUR	E & DA	TE			
	cct. Co		51200	1 2		_	Signature:			Date				
month or 18	mount Stanual pa Date:		プラクラ	polygn all pest du		rge of 1 1/2% pe	Print Name:							
-	Signatu	re:		TZ.										
	-		Shane	Down	25									

QUASAR ENERGY SERVICES, INC.



CEMENTING JOB LOG

3288 FM 51 Gainesville, Texas 76240

Office: 940-612-3336

Fax: 940-612-3336 | qesi@qeserve.com

Form 185-2q

2/20/24
CEMENTING JOB LOG

Company: CMX OIL & GAS Well Name: SCROOGE #2H Type Job: INTERMEDIATE AFE #: 0 **CASING DATA** Size: Grade: P-110 Weight: 29 **Casing Depths** Top: 44.3 Bottom: 5279.6 Drill Pipe: Size: 0 Weight: 0 Tubing: Size: 0 Weight: 0 Grade: TD (ft): 5303 Size: 5303 Open Hole: 8 3/4 T.D. (ft): Perforations From (ft): 0 0 To: Packer Depth(ft): 5275 **CEMENT DATA Spacer Type:** 20 BBL MUD FLUSH $ft^3/_{sk}$ Sks Yield Amt. Density (PPG) LEAD: CLASS A - 50/50-8 - 0.3% C19, 2# BLITZ **Excess** ft 3/sk 225 Sks Yield Amt. 3.2 Density (PPG) 10.8 TAIL: CLASS H - 2% GEL, 2# BLITZ, 0.3 C17, 0.1% FWCA **Excess** ft 3/sk Amt. 150l Sks Yield 1.42 Density (PPG) 14.5 WATER: Lead: 107 gals/sk: 20 Tail: 25 gals/sk: Total (bbis): 132 Pump Trucks Used: 110 - DP04 **Bulk Equipment:** 227 - 660 - 25Disp. Fluid Type: FRESH WATER Amt. (Bbls.) 194.2 Weight (PPG): 8.33 Mud Type: Weight (PPG): **COMPANY REPRESENTATIVE: CEMENTER: KIRBY HARPER** TIME **PRESSURES PSI FLUID PUMPED DATA REMARKS** AM/PM Tubing **ANNULUS** TOTAL RATE Casing 1100 RT -- 1100 ON LOCATION - SPOT AND RIG UP 2330 CASING ON BOTTOM -- BREAK CIRC 0046 1500 PRESSURE TEST 0058 10 WATER SPACER 150 10 0102 MIX 40 SK TAIL @ 14.5 PPG 0109 SHUT DOWN - DROP TOP PLUG 0111 250 Ð 6 DISPLACE WITH FRESH WATER 50 175 3 0141 SLOW RATE 0146 50-500 190 **BUMP PLUG** RELEASE PRESSURE - FLOAT HELD 0150 500-0 CEMENTING JOB LOG - Page: 1



Invoice



Invoice Number: 0001784-IN Invoice Date: 3/5/2024

Order Number: 0001906 Order Date: 3/4/2024

Salesperson: PAT
Customer Number: 20-MCGENE

Sold To:

MCGINNESS ENERGY COMPANY INC 1635 N WATERFRONT PKWY STE 220 WICHITA, KS 67206

Customer P.O.

Service Ticket: 02362024

Ship VIA

F.O.B.

Ship To:

MCGINNESS ENERGY COMPANY INC

Well: Scrooge 2H Rig: Duke #20 Barber, Kansas,

Terms

NET 30 DAYS

Item Code	Unit	Ordered	Shipped	Back Ordered	Price	Amount
140285-000003	EACH	1.000	1.000	0.000	2,600.00	2,600.00
PACKER, OPEN HOLI OD X 3.89 ID; HSN; P1		; 4.50 (13.5#) BTC; 5.75 00016)	Whse: 020			
160029	EACH	20.000	20.000	0.000	2,600.00	52,000.00
PACKER, OPEN HOLE ID; HNBR; 41XX [110]		BTC; 5.625 OD X 3.815	Whse: 020			
140050	EACH	19.000	19.000	0.000	3,300.00	62,700.00
SLEEVE, OPEN HOLE (13.5#) BTC OR COMF (140050-XXXXXX)		ACPORT); 5.63 X 4.50 IOUS SEAT SIZE; P-110	Whse : 020			
140670	EACH	20.000	20.000	0.000	500.00	10,000.00
BALL, DISSOLVABLE SFD-901	FRAC; VARIO	US DIAMETER:	Whse: 020			
/ATC RIG SITE S	EACH	5.000	5.000	0.000	2,200.00	11,000.00
ATC RIG SIT SERVICE	Ē					
Hector Ma	agallanes 2/27/2	024 - 3/2/2024				
/ATC SERVICE MI						3,126.00
ATC MILEAGE						
1042 Mile	s @ \$3.00/Mile					
ATC DELIVERY S						5,000.00
ATC DELIVERY SERV	ICE					
/EQUIP RENTAL	EACH	2.000	2.000	0.000	2,500.00	5,000.00
SHOP EQUIPMENTAL	RENTAL - EX	PENSE				
XT-39 X 5	.95 OD" Dumbe	il reamer				
/EQUIP RENTAL	EACH	2.000	2.000	0.000	775.00	1,550.00
SHOP EQUIPMENTAL	RENTAL - EX	PENSE				
4"XT-39 >	4"FH Crossove	ers .				

Net Invoice:	152,976.00
Less Discount:	0.00
Freight:	0.00
Sales Tax:	0.00
Invoice Total:	152,976.00



Service Ticket

#02362024

Allamon Tool Company, Inc. 18935 Freeport Drive Montgomery, TX Phone: 936-449-5433

Email: mdavis@allamontool.com

AFE:	
PO:	
SAP:	
WBS:	
Pay Key:	
Acct Code:	

Bill To:

McGinness Energy 1635 Waterfront Pkwy ste 220 Wichita, KS 67206

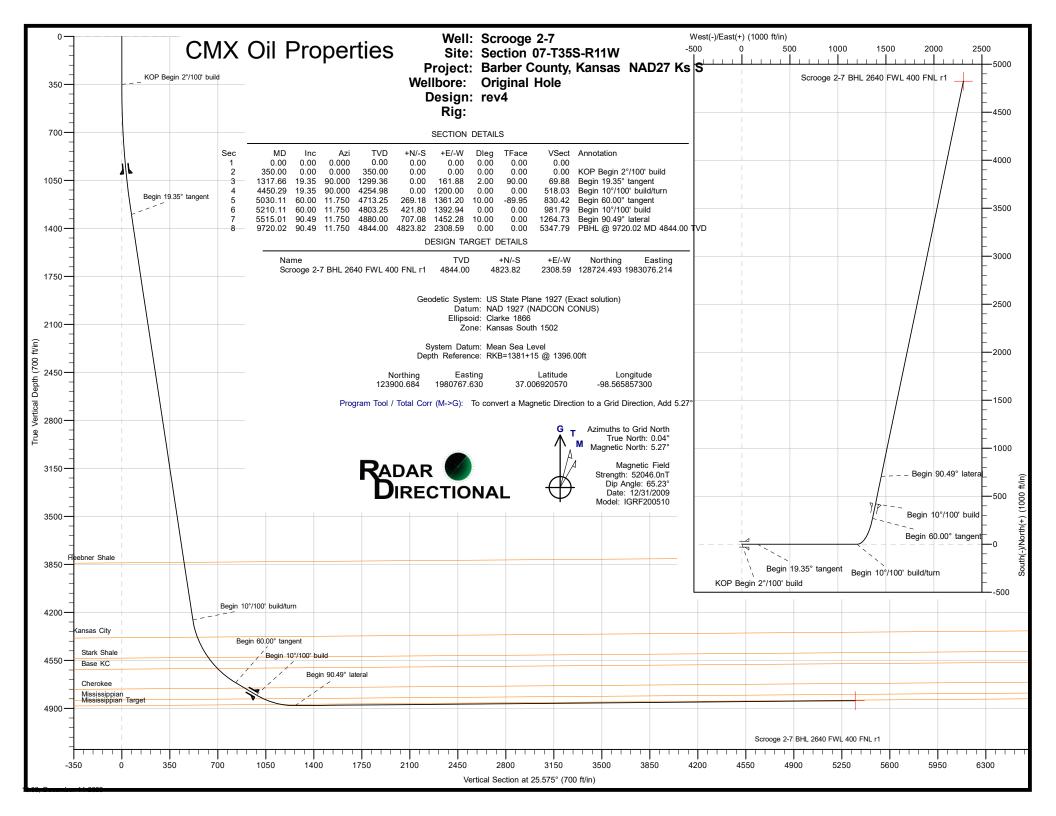
Ship To:

McGinness Energy Well: Scrooge 2H Rig: Duke #20 County: Barber, Kansas

Well ID Cust Contact/Rep Contact # Service Rep Dates
Hector Magallanes 2/27-3/2/2024

Item			П	Unit	Qty	
*	Number	Description		Price	Ordered	Total Price
1	140285-000003	OPEN HOLE PACKER TUFF SEAL 4-1/2" 13.5# BTC B X P	\$	2,600.00	1 ea	\$2,600.00
2	160029	OPEN HOLE PACKER IOX SINGLÉ ELEMENT 4- 1/2" 13.5# BTC B X P	:	2,600.00	20 ea	\$52,000.00
3	140050	FRAC SLEEVE 5.630 X 4-1/2" W/ 11.6# BTC CONN. HDX 1.690" - 2.450"	\$	3,300.00	19 ea	\$62,700.00
4	140670	Frac Balls SF901D		\$ 500.00	20 ea	\$10,000.00
5	ATC RIG SITE SUPERVISOR	ATC RIG SITE SUPERVISOR	\$	2,200.00	5 ea	\$11,000.00
6	MILEAGE	MILEAGE TO LOCATION FROM BASE	\$	3.00	1042 ea	\$3,126.00
7	RENTAL - REAMER	XT-39 X 5.95 OD" DUMBELL REAMER	\$	2,500.00	2 68	\$5,000.00
	RENTAL - CROSSOVER	4"XT-39 X 4"FH CROSSOVERS	\$	775.00	2 ea	\$1,550.00
9	DELIVERY CHARGE	ASSORTED DELIVERY CHARGES	\$	5,000.00	1 ea	\$5,000.00

Approvat:	Date:	[20] 707770	
2/1/2/ 122A	Date.	Subtotal:	\$152,976.00
/3/1/24 /330			



Database: DT_Aug2923v16 Company: **CMX Oil Properties**

Project: Barber County, Kansas NAD27 Ks S

Section 07-T35S-R11W Site:

Well: Scrooge 2-7 Wellbore: Original Hole Design: rev4

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Scrooge 2-7

RKB=1381+15 @ 1396.00ft RKB=1381+15 @ 1396.00ft

Minimum Curvature

Project Barber County, Kansas NAD27 Ks S

Map System: US State Plane 1927 (Exact solution) NAD 1927 (NADCON CONUS)

Geo Datum:

System Datum:

Mean Sea Level

Map Zone: Kansas South 1502

Section 07-T35S-R11W Site

Northing: 123,900.690 usft 37.006920600 Site Position: Latitude: From: Lat/Long Easting: 1,980,767.630 usft Longitude: -98.565857300

Position Uncertainty: 0.00 ft Slot Radius: 13-3/16 "

Well Scrooge 2-7, Surf loc: 380 FWL 150 FSL Section 07-T35S-R11W

0.00 ft 123,900.684 usft 37.006920569 **Well Position** +N/-S Northing: Latitude: 0.00 ft 1,980,767.630 usft -98.565857300 +E/-W Easting: Longitude:

Position Uncertainty 0.00 ft Wellhead Elevation: ft Ground Level: 1,381.00 ft

Grid Convergence: -0.04 °

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	5.23	65.23	52,046.02185018

Design rev4 Audit Notes: Version: Phase: PLAN Tie On Depth: 0.00 Vertical Section: Depth From (TVD) +N/-S +E/-W Direction (ft) (ft) (ft) (°) 0.00 25.575 0.00 0.00

12/14/2023 **Plan Survey Tool Program** Date

Depth From Depth To

(ft) (ft) **Tool Name** Survey (Wellbore) Remarks

0.00 9,719.15 rev4 (Original Hole)

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
350.00	0.00	0.000	350.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,317.66	19.35	90.000	1,299.36	0.00	161.88	2.00	2.00	9.30	90.00	
4,450.29	19.35	90.000	4,254.98	0.00	1,200.00	0.00	0.00	0.00	0.00	
5,030.11	60.00	11.750	4,713.25	269.18	1,361.20	10.00	7.01	-13.50	-89.95	
5,210.11	60.00	11.750	4,803.25	421.80	1,392.94	0.00	0.00	0.00	0.00	
5,515.01	90.49	11.750	4,880.00	707.08	1,452.28	10.00	10.00	0.00	0.00	
9,720.02	90.49	11.750	4,844.00	4,823.82	2,308.59	0.00	0.00	0.00	0.00	Scrooge 2-7 BHL 26

Database: DT_Aug2923v16
Company: CMX Oil Properties

Project: Barber County, Kansas NAD27 Ks S

Site: Section 07-T35S-R11W

Well: Scrooge 2-7
Wellbore: Original Hole
Design: rev4

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well Scrooge 2-7

RKB=1381+15 @ 1396.00ft RKB=1381+15 @ 1396.00ft

Grid

anned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.000	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.000	300.00	0.00	0.00	0.00	0.00	0.00	0.00
350.00	0.00	0.000	350.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	1.00	90.000	400.00	0.00	0.44	0.10	2.00	2.00	0.00
	1.00					0.19			
500.00	3.00	90.000	499.93	0.00	3.93	1.69	2.00	2.00	0.00
600.00	5.00	90.000	599.68	0.00	10.90	4.71	2.00	2.00	0.00
700.00	7.00	90.000	699.13	0.00	21.35	9.22	2.00	2.00	0.00
800.00	9.00	90.000	798.15	0.00	35.27	15.23	2.00	2.00	0.00
900.00	11.00	90.000	896.63	0.00	52.63	22.72	2.00	2.00	0.00
			994.44		73.42	31.70	2.00	2.00	0.00
1,000.00	13.00	90.000		0.00					
1,100.00	15.00	90.000	1,091.46	0.00	97.62	42.14	2.00	2.00	0.00
1,200.00	17.00	90.000	1,187.58	0.00	125.18	54.04	2.00	2.00	0.00
1,300.00	19.00	90.000	1,282.68	0.00	156.08	67.38	2.00	2.00	0.00
1,317.66	19.35	90.000	1,299.36	0.00	161.88	69.88	2.00	2.00	0.00
1,400.00	19.35	90.000	1,377.05	0.00	189.17	81.66	0.00	0.00	0.00
1,500.00	19.35	90.000	1,471.40	0.00	222.30	95.97	0.00	0.00	0.00
1,600.00	19.35	90.000	1,565.75	0.00	255.44	110.27	0.00	0.00	0.00
1,700.00	19.35	90.000	1,660.10	0.00	288.58	124.58	0.00	0.00	0.00
1,800.00	19.35	90.000	1,754.45	0.00	321.72	138.88	0.00	0.00	0.00
1,900.00	19.35	90.000	1,848.80	0.00	354.86	153.19	0.00	0.00	0.00
					388.00		0.00	0.00	0.00
2,000.00	19.35	90.000	1,943.15	0.00		167.50			
2,100.00	19.35	90.000	2,037.50	0.00	421.14	181.80	0.00	0.00	0.00
2,200.00	19.35	90.000	2,131.85	0.00	454.28	196.11	0.00	0.00	0.00
2,300.00	19.35	90.000	2,226.20	0.00	487.42	210.41	0.00	0.00	0.00
2,400.00	19.35	90.000	2,320.55	0.00	520.56	224.72	0.00	0.00	0.00
2,500.00	19.35	90.000	2,414.89	0.00	553.69	239.02	0.00	0.00	0.00
2,600.00	19.35	90.000	2,509.24	0.00	586.83	253.33	0.00	0.00	0.00
2,700.00	19.35	90.000	2,603.59	0.00	619.97	267.64	0.00	0.00	0.00
2,700.00	19.33	90.000	2,003.39	0.00	019.97	207.04	0.00	0.00	0.00
2,800.00	19.35	90.000	2,697.94	0.00	653.11	281.94	0.00	0.00	0.00
2,900.00	19.35	90.000	2,792.29	0.00	686.25	296.25	0.00	0.00	0.00
3,000.00	19.35	90.000	2,886.64	0.00	719.39	310.55	0.00	0.00	0.00
3,100.00	19.35	90.000	2,980.99	0.00	752.53	324.86	0.00	0.00	0.00
3,200.00	19.35	90.000	3,075.34	0.00	785.67	339.17	0.00	0.00	0.00
,									
3,300.00	19.35	90.000	3,169.69	0.00	818.81	353.47	0.00	0.00	0.00
3,400.00	19.35	90.000	3,264.04	0.00	851.95	367.78	0.00	0.00	0.00
3,500.00	19.35	90.000	3,358.39	0.00	885.08	382.08	0.00	0.00	0.00
3,600.00	19.35	90.000	3,452.74	0.00	918.22	396.39	0.00	0.00	0.00
3,700.00	19.35	90.000	3,547.09	0.00	951.36	410.69	0.00	0.00	0.00
3,800.00	19.35	90.000	3,641.44	0.00	984.50	425.00	0.00	0.00	0.00
3,900.00			3,735.79						
	19.35	90.000		0.00	1,017.64	439.31	0.00	0.00	0.00
4,000.00	19.35	90.000	3,830.14	0.00	1,050.78	453.61	0.00	0.00	0.00
4,100.00	19.35	90.000	3,924.49	0.00	1,083.92	467.92	0.00	0.00	0.00
4,200.00	19.35	90.000	4,018.83	0.00	1,117.06	482.22	0.00	0.00	0.00
4,300.00	19.35	90.000	4,113.18	0.00	1,150.20	496.53	0.00	0.00	0.00
4,400.00	19.35	90.000	4,207.53	0.00	1,183.33	510.83	0.00	0.00	0.00
4,450.29	19.35	90.000	4,254.98	0.00	1,200.00	518.03	0.00	0.00	0.00
4,500.00					,				
	19.96	75.296	4,301.82	2.16	1,216.45	527.08	10.00	1.22	-29.58
4,550.00	21.69	62.063	4,348.58	8.65	1,232.88	540.03	10.00	3.46	-26.47
4,600.00	24.30	51.116	4,394.62	19.45	1,249.07	556.75	10.00	5.22	-21.89
4,650.00	27.54	42.386	4,439.60	34.45	1,264.88	577.11	10.00	6.48	-17.46
4,700.00	31.22	35.465	4,483.18	53.56	1,280.20	600.96	10.00	7.35	-13.84
4,750.00	35.20	29.917	4,525.01	76.62	1,294.91	628.11	10.00	7.95	-11.10

Database: DT_Aug2923v16
Company: CMX Oil Properties

Project: Barber County, Kansas NAD27 Ks S

Site: Section 07-T35S-R11W

Well: Scrooge 2-7
Wellbore: Original Hole
Design: rev4

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Scrooge 2-7

RKB=1381+15 @ 1396.00ft RKB=1381+15 @ 1396.00ft

Grid

anned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,800.00	39.38	25.387	4,564.79	103.45	1,308.91	658.36	10.00	8.36	-9.06
4,850.00	43.71	21.609	4,602.21	133.86	1,322.08	691.47	10.00	8.66	-7.56
4,900.00	48.14	18.392	4,636.99	167.61	1,334.32	727.20	10.00	8.87	-6.43
4,950.00	52.65	15.596	4,668.86	204.45	1,345.55	765.28	10.00	9.03	-5.59
5,000.00	57.23	13.120	4,697.58	244.09	1,355.67	805.40	10.00	9.14	-4.95
5,030.11	60.00	11.750	4,713.25	269.18	1,361.20	830.42	10.00	9.22	-4.55
5,100.00	60.00	11.750	4,748.20	328.44	1,373.52	889.20	0.00	0.00	0.00
5,200.00	60.00	11.750	4,798.20	413.23	1,391.16	973.29	0.00	0.00	0.00
5,210.11	60.00	11.750	4,803.25	421.80	1,392.94	981.79	0.00	0.00	0.00
5,250.00	63.99	11.750	4,821.98	456.28	1,400.11	1,015.99	10.00	10.00	0.00
5,300.00	68.99	11.750	4,841.92	501.15	1,409.45	1,060.50	10.00	10.00	0.00
5,350.00	73.99	11.750	4,857.79	547.56	1,419.10	1,106.52	10.00	10.00	0.00
5,400.00	78.99	11.750	4,869.47	595.14	1,429.00	1,153.71	10.00	10.00	0.00
5,450.00	83.99	11.750	4,876.87	643.54	1,439.06	1,201.71	10.00	10.00	0.00
5,500.00	88.99	11.750	4,879.93	692.38	1,449.22	1,250.16	10.00	10.00	0.00
5,515.01	90.49	11.750	4,880.00	707.08	1,452.28	1,264.73	10.00	10.00	0.00
5,600.00	90.49	11.750	4,879.27	790.28	1,469.59	1,347.26	0.00	0.00	0.00
5,700.00	90.49	11.750	4,878.41	888.18	1,489.95	1,444.36	0.00	0.00	0.00
5,800.00	90.49	11.750	4,877.56	986.08	1,510.32	1,541.46	0.00	0.00	0.00
5,900.00	90.49	11.750	4,876.70	1,083.99	1,530.68	1,638.56	0.00	0.00	0.00
6,000.00	90.49	11.750	4,875.84	1,181.89	1,551.04	1,735.66	0.00	0.00	0.00
6,100.00	90.49	11.750	4,874.99	1,279.79	1,571.41	1,832.76	0.00	0.00	0.00
6,200.00	90.49	11.750	4,874.13	1,377.69	1,591.77	1,929.86	0.00	0.00	0.00
6,300.00	90.49	11.750	4,873.28	1,475.59	1,612.14	2,026.96	0.00	0.00	0.00
6,400.00	90.49	11.750	4,872.42	1,573.49	1,632.50	2,124.06	0.00	0.00	0.00
6,500.00	90.49	11.750	4,871.56	1,671.39	1,652.86	2,221.16	0.00	0.00	0.00
6,600.00	90.49	11.750	4,870.71	1,769.29	1,673.23	2,318.26	0.00	0.00	0.00
6,700.00	90.49	11.750	4,869.85	1,867.19	1,693.59	2,415.36	0.00	0.00	0.00
6,800.00	90.49	11.750	4,869.00	1,965.09	1,713.96	2,512.46	0.00	0.00	0.00
6,900.00	90.49	11.750	4,868.14	2,062.99	1,734.32	2,609.55	0.00	0.00	0.00
7,000.00	90.49	11.750	4,867.28	2,160.89	1,754.68	2,706.65	0.00	0.00	0.00
7,100.00	90.49	11.750	4,866.43	2,258.80	1,775.05	2,803.75	0.00	0.00	0.00
7,200.00	90.49	11.750	4,865.57	2,356.70	1,795.41	2,900.85	0.00	0.00	0.00
7,300.00	90.49	11.750	4,864.72	2,454.60	1,815.78	2,997.95	0.00	0.00	0.00
7,400.00	90.49	11.750	4,863.86	2,552.50	1,836.14	3,095.05	0.00	0.00	0.00
7,500.00	90.49	11.750	4,863.00	2,650.40	1,856.50	3,192.15	0.00	0.00	0.00
7,600.00	90.49	11.750	4,862.15	2,748.30	1,876.87	3,289.25	0.00	0.00	0.00
7,700.00	90.49	11.750	4,861.29	2,846.20	1,897.23	3,386.35	0.00	0.00	0.00
7,800.00	90.49	11.750	4,860.44	2,944.10	1,917.60	3,483.45	0.00	0.00	0.00
7,900.00	90.49	11.750	4,859.58	3,042.00	1,937.96	3,580.55	0.00	0.00	0.00
8,000.00	90.49	11.750	4,858.72	3,139.90	1,958.32	3,677.65	0.00	0.00	0.00
8,100.00	90.49	11.750	4,857.87	3,237.80	1,978.69	3,774.75	0.00	0.00	0.00
8,200.00	90.49	11.750	4,857.01	3,335.70	1,999.05	3,871.85	0.00	0.00	0.00
8,300.00	90.49	11.750	4,856.16	3,433.61	2,019.42	3,968.95	0.00	0.00	0.00
8,400.00	90.49	11.750	4,855.30	3,531.51	2,039.78	4,066.05	0.00	0.00	0.00
8,500.00	90.49	11.750	4,854.44	3,629.41	2,060.14	4,163.15	0.00	0.00	0.00
8,600.00	90.49	11.750	4,853.59	3,727.31	2,080.51	4,260.25	0.00	0.00	0.00
8,700.00	90.49	11.750	4,852.73	3,825.21	2,100.87	4,357.35	0.00	0.00	0.00
8,800.00	90.49	11.750	4,851.88	3,923.11	2,121.24	4,454.45	0.00	0.00	0.00
8,900.00	90.49	11.750	4,851.02	4,021.01	2,141.60	4,551.55	0.00	0.00	0.00
9,000.00	90.49	11.750	4,850.16	4,118.91	2,161.96	4,648.65	0.00	0.00	0.00
9,100.00	90.49	11.750	4,849.31	4,216.81	2,182.33	4,745.75	0.00	0.00	0.00
9,200.00 9,300.00	90.49 90.49	11.750 11.750	4,848.45 4,847.60	4,314.71 4,412.61	2,202.69 2,223.06	4,842.85 4,939.95	0.00 0.00	0.00 0.00	0.00 0.00

Database: DT_Aug2923v16
Company: CMX Oil Properties

Project: Barber County, Kansas NAD27 Ks S

Site: Section 07-T35S-R11W

Well: Scrooge 2-7
Wellbore: Original Hole
Design: rev4

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well Scrooge 2-7

RKB=1381+15 @ 1396.00ft RKB=1381+15 @ 1396.00ft

Grid

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,400.00	90.49	11.750	4,846.74	4,510.51	2,243.42	5,037.05	0.00	0.00	0.00
9,500.00	90.49	11.750	4,845.88	4,608.42	2,263.78	5,134.15	0.00	0.00	0.00
9,600.00	90.49	11.750	4,845.03	4,706.32	2,284.15	5,231.24	0.00	0.00	0.00
9,700.00	90.49	11.750	4,844.17	4,804.22	2,304.51	5,328.34	0.00	0.00	0.00
9,720.02	90.49	11.750	4,844.00	4,823.82	2,308.59	5,347.79	0.00	0.00	0.00

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Scrooge 2-7 BHL 2640 F - plan hits target cen - Point	0.00 ter	0.000	4,844.00	4,823.82	2,308.59	128,724.493	1,983,076.214	37.020172885	-98.557962300

Formations						
	Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
	4,005.78	3,835.59	Heebner Shale		-0.43	25.575
	4,584.95	4,380.86	Kansas City		-0.43	25.575
	4,755.21	4,529.26	Stark Shale		-0.43	25.575
	4,859.12	4,608.76	Base KC		-0.43	25.575
	5,108.15	4,752.28	Cherokee		-0.43	25.575
	5,269.53	4,830.25	Mississippian		-0.43	25.575
	5,409.87	4,871.27	Mississippian Target		-0.43	25.575

Plan Annotations				
Measured	Vertical	Local Coor	dinates	
Depth (ft)	Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
350.00	350.00	0.00	0.00	KOP Begin 2°/100' build
1,317.66	1,299.36	0.00	161.88	Begin 19.35° tangent
4,450.29	4,254.98	0.00	1,200.00	Begin 10°/100' build/turn
5,030.11	4,713.25	269.18	1,361.20	Begin 60.00° tangent
5,210.11	4,803.25	421.80	1,392.94	Begin 10°/100' build
5,515.01	4,880.00	707.08	1,452.28	Begin 90.49° lateral
9,720.02	4,844.00	4,823.82	2,308.59	PBHL @ 9720.02 MD 4844.00 TVD

DT_Aug2923v16 Database: Company: **CMX Oil Properties**

Project: Barber County, Kansas NAD27 Ks S

Section 07-T35S-R11W Site:

Well: Scrooge 2-7 Wellbore: Original Hole Design: rev4

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Scrooge 2-7

RKB=1381+15 @ 1396.00ft RKB=1381+15 @ 1396.00ft

Minimum Curvature

Project Barber County, Kansas NAD27 Ks S

US State Plane 1927 (Exact solution) Map System:

NAD 1927 (NADCON CONUS) Geo Datum:

Map Zone: Kansas South 1502 System Datum: Mean Sea Level

Site Section 07-T35S-R11W

Northing: 123,900.690 usft 37.006920600 Site Position: Latitude: 1,980,767.630 usft Lat/Long Easting: -98.565857300 From: Longitude:

Position Uncertainty: 0.00 ft Slot Radius: 13-3/16 "

Well Scrooge 2-7, Surf loc: 380 FWL 150 FSL Section 07-T35S-R11W

Well Position +N/-S 0.00 ft Northing: 123,900.684 usft Latitude: 37.006920569 1,980,767.630 usft +E/-W 0.00 ft Easting: Longitude: -98.565857300

0.00 ft Wellhead Elevation: ft Ground Level: 1,381.00 ft **Position Uncertainty**

-0.04 ° **Grid Convergence:**

Original Hole Wellbore Model Name Declination Field Strength Magnetics Sample Date Dip Angle (°) (°) (nT) IGRF200510 12/31/2009 5.23 65.23 52,046.02185018

rev4 Design **Audit Notes:** 0.00 Version: Phase: **PLAN** Tie On Depth: Vertical Section: Depth From (TVD) +N/-S Direction +E/-W (ft) (ft) (ft) (°) 0.00 0.00 0.00 25.575

Plan Survey Tool Program 12/14/2023

Depth From Depth To

Tool Name (ft) (ft) Survey (Wellbore) Remarks

9,719.15 rev4 (Original Hole) 0.00

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
350.00	0.00	0.000	350.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,317.66	19.35	90.000	1,299.36	0.00	161.88	2.00	2.00	9.30	90.00	
4,450.29	19.35	90.000	4,254.98	0.00	1,200.00	0.00	0.00	0.00	0.00	
5,030.11	60.00	11.750	4,713.25	269.18	1,361.20	10.00	7.01	-13.50	-89.95	
5,210.11	60.00	11.750	4,803.25	421.80	1,392.94	0.00	0.00	0.00	0.00	
5,515.01	90.49	11.750	4,880.00	707.08	1,452.28	10.00	10.00	0.00	0.00	
9,720.02	90.49	11.750	4,844.00	4,823.82	2,308.59	0.00	0.00	0.00	0.00	Scrooge 2-7 BHL 264

Database: DT_Aug2923v16
Company: CMX Oil Properties

Project: Barber County, Kansas NAD27 Ks S

Site: Section 07-T35S-R11W

Well: Scrooge 2-7
Wellbore: Original Hole
Design: rev4

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Scrooge 2-7

RKB=1381+15 @ 1396.00ft RKB=1381+15 @ 1396.00ft

Grid

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.000	0.00	0.00	0.00	123,900.684	1,980,767.630	37.006920569	-98.565857300
100.00	0.00	0.000	100.00	0.00	0.00	123,900.684	1,980,767.630	37.006920569	-98.565857300
200.00	0.00	0.000	200.00	0.00	0.00	123,900.684	1,980,767.630	37.006920569	-98.565857300
300.00	0.00	0.000	300.00	0.00	0.00	123,900.684	1,980,767.630	37.006920569	-98.565857300
350.00	0.00	0.000	350.00	0.00	0.00	123,900.684	1,980,767.630	37.006920569	-98.565857300
400.00	1.00	90.000	400.00	0.00	0.44	123,900.684	1,980,768.066	37.006920570	-98.565855806
500.00	3.00	90.000	499.93	0.00	3.93	123,900.684	1,980,771.556	37.006920577	-98.565843856
600.00	5.00	90.000	599.68	0.00	10.90	123,900.684	1,980,778.531	37.006920590	-98.565819970
700.00	7.00	90.000	699.13	0.00	21.35	123,900.684	1,980,788.984	37.006920611	-98.565784178
800.00	9.00	90.000	798.15	0.00	35.27	123,900.684	1,980,802.900	37.006920638	-98.565736524
900.00	11.00	90.000	896.63	0.00	52.63	123,900.684	1,980,820.264	37.006920671	-98.565677065
1,000.00	13.00	90.000	994.44	0.00	73.42	123,900.684	1,980,841.054	37.006920711	-98.565605874
1,100.00	15.00	90.000	1,091.46	0.00	97.62	123,900.684	1,980,865.245	37.006920758	-98.565523037
1,200.00	17.00	90.000	1,187.58	0.00	125.18	123,900.684	1,980,892.807	37.006920811	-98.565428655
1,300.00	19.00	90.000	1,282.68	0.00	156.08	123,900.684	1,980,923.707	37.006920871	-98.565322845
1,317.66	19.35	90.000	1,299.36	0.00	161.88	123,900.684	1,980,929.508	37.006920882	-98.565302983
1,400.00	19.35	90.000	1,377.05	0.00	189.17	123,900.684	1,980,956.795	37.006920934	-98.565209543
1,500.00	19.35	90.000	1,471.40	0.00	222.30	123,900.684	1,980,989.934	37.006920998	-98.565096066
1,600.00	19.35	90.000	1,565.75	0.00	255.44	123,900.684	1,981,023.073	37.006921062	-98.564982588
1,700.00	19.35	90.000	1,660.10	0.00	288.58	123,900.684	1,981,056.212	37.006921125	-98.564869111
1,800.00	19.35	90.000	1,754.45	0.00	321.72	123,900.684	1,981,089.351	37.006921188	-98.564755634
1,900.00	19.35	90.000	1,848.80	0.00	354.86	123,900.684	1,981,122.489	37.006921251	-98.564642156
2,000.00	19.35	90.000	1,943.15	0.00	388.00	123,900.684	1,981,155.628	37.006921314 37.006921377	-98.564528679
2,100.00	19.35	90.000	2,037.50	0.00	421.14 454.28	123,900.684	1,981,188.767		-98.564415201
2,200.00 2,300.00	19.35 19.35	90.000 90.000	2,131.85 2,226.20	0.00 0.00	454.26 487.42	123,900.684 123,900.684	1,981,221.906 1,981,255.045	37.006921440 37.006921503	-98.564301724 -98.564188247
2,400.00	19.35	90.000	2,320.55	0.00	520.56	123,900.684	1,981,288.184	37.006921565	-98.564074769
2,500.00	19.35	90.000	2,320.33	0.00	553.69	123,900.684	1,981,321.323	37.006921628	-98.563961292
2,600.00	19.35	90.000	2,509.24	0.00	586.83	123,900.684	1,981,354.462	37.006921690	-98.563847815
2,700.00	19.35	90.000	2,603.59	0.00	619.97	123,900.684	1,981,387.601	37.006921753	-98.563734337
2,800.00	19.35	90.000	2,697.94	0.00	653.11	123,900.684	1,981,420.740	37.006921733	-98.563620860
2,900.00	19.35	90.000	2,792.29	0.00	686.25	123,900.684	1,981,453.879	37.006921877	-98.563507382
3,000.00	19.35	90.000	2,886.64	0.00	719.39	123,900.684	1,981,487.018	37.006921939	-98.563393905
3,100.00	19.35	90.000	2,980.99	0.00	752.53	123,900.684	1,981,520.156	37.006922001	-98.563280428
3,200.00	19.35	90.000	3,075.34	0.00	785.67	123,900.684	1,981,553.295	37.006922062	-98.563166950
3,300.00	19.35	90.000	3,169.69	0.00	818.81	123,900.684	1,981,586.434	37.006922124	-98.563053473
3,400.00	19.35	90.000	3,264.04	0.00	851.95	123,900.684	1,981,619.573	37.006922185	-98.562939995
3,500.00	19.35	90.000	3,358.39	0.00	885.08	123,900.684	1,981,652.712	37.006922247	-98.562826518
3,600.00	19.35	90.000	3,452.74	0.00	918.22	123,900.684	1,981,685.851	37.006922308	-98.562713041
3,700.00	19.35	90.000	3,547.09	0.00	951.36	123,900.684	1,981,718.990	37.006922369	-98.562599563
3,800.00	19.35	90.000	3,641.44	0.00	984.50	123,900.684	1,981,752.129	37.006922430	-98.562486086
3,900.00	19.35	90.000	3,735.79	0.00	1,017.64	123,900.684	1,981,785.268	37.006922491	-98.562372608
4,000.00	19.35	90.000	3,830.14	0.00	1,050.78	123,900.684	1,981,818.407	37.006922552	-98.562259131
4,100.00	19.35	90.000	3,924.49	0.00	1,083.92	123,900.684	1,981,851.546	37.006922613	-98.562145654
4,200.00	19.35	90.000	4,018.83	0.00	1,117.06	123,900.684	1,981,884.685	37.006922673	-98.562032176
4,300.00	19.35	90.000	4,113.18	0.00	1,150.20	123,900.684	1,981,917.823	37.006922734	-98.561918699
4,400.00	19.35	90.000	4,207.53	0.00	1,183.33	123,900.684	1,981,950.962	37.006922794	-98.561805222
4,450.29	19.35	90.000	4,254.98	0.00	1,200.00	123,900.684	1,981,967.627	37.006922825	-98.561748156
4,500.00	19.96	75.296	4,301.82	2.16	1,216.45	123,902.839	1,981,984.082	37.006928774	-98.561691814
4,550.00	21.69	62.063	4,348.58	8.65	1,232.88	123,909.339	1,982,000.511	37.006946653	-98.561635572
4,600.00	24.30	51.116	4,394.62	19.45	1,249.07	123,920.133	1,982,016.693	37.006976327	-98.561580186
4,650.00	27.54	42.386	4,439.60	34.45	1,264.88	123,935.139	1,982,032.504	37.007017569	-98.561526075
4,700.00	31.22	35.465	4,483.18	53.56	1,280.20	123,954.244	1,982,047.826	37.007070066	-98.561473654
4,750.00	35.20	29.917	4,525.01	76.62	1,294.91	123,977.302	1,982,062.540	37.007133419	-98.561423319
4,800.00	39.38	25.387	4,564.79	103.45	1,308.91	124,004.137	1,982,076.536	37.007207144	-98.561375455

Database: DT_Aug2923v16
Company: CMX Oil Properties

Project: Barber County, Kansas NAD27 Ks S

Site: Section 07-T35S-R11W

Well: Scrooge 2-7
Wellbore: Original Hole
Design: rev4

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Scrooge 2-7

RKB=1381+15 @ 1396.00ft RKB=1381+15 @ 1396.00ft

Grid

Measured	Planned Survey									
4,900.00 49.14 18.392 4.638.99 17.70 1 334.52 124.008.295 1.982.101.950 37.007383495 -98.561280217 5.000.00 57.23 13.120 4.697.58 24.09 1.355.67 124.144.770 1.982.123.296 37.007383483 -98.561250217 5.000.00 6.00 11.750 4.748.20 229.40 1.355.67 124.144.770 1.982.123.296 37.007383483 -98.561196772 5.100.00 6.00 11.750 4.748.20 23.94 1.373.52 124.229.127 1.982.141.152 37.007625172 -98.561196772 5.700.00 6.00 11.750 4.748.20 23.94 1.373.52 124.229.127 1.982.141.152 37.007625172 -98.561196740 5.720.00 6.00 11.750 4.748.20 241.80 1.392.94 124.322.482 1.982.160.570 37.00806805 -98.561094405 5.720.00 6.03 91 11.750 4.841.92 456.28 1.400.01 124.00 11 124.00	Depth			Depth			Northing	Easting	Latitude	Longitude
4,950.00				,				, ,		
5,000.00 57.23 13,120 4,697.88 244.09 1,365.67 124,144.70 1,982,128.292 37,007693483 48,661216648 5,000.10 60.00 11,750 4,748.20 326.44 1,373.52 124,229.127 1,982,148.125 37,007682912 49,8561164696 5,200.00 60.00 11,750 4,788.20 412.23 1,391.16 1,242,313.914 1,982,148.782 37,00685095 49,8561164696 5,250.00 63.99 11,750 4,881.28 450.21 1,400.11 124,335.44 1,982,147.74 37,00689699 -88,561063402 5,350.00 68.99 11,750 4,881.92 501.15 1,409.45 124,448.240 1,982,147.74 37,006826962 -88,561032070 5,350.00 7,999 11,750 4,876.67 643.54 1,439.00 124,448.240 1,982,148.27 37,006826962 -88,5600809317 5,450.00 8,99 11,750 4,876.67 643.54 1,439.00 124,458.20 1,982,216.82 37,006859774 -88,56068685478 5,515.										
5,00,011 60,00 11,750 4,743,25 280,18 1,381,20 124,189,865 1,982,128,182,25 37,00762333 49,851196772 5,200,00 60,00 11,750 4,788,20 328,44 1,373,52 1,42,313,31 1,982,41,1152 37,00805005 -98,651019405 5,201,01 60,00 11,750 4,803,25 421,80 1,382,41 1,24,313,314 1,982,161,677 37,00805005 -98,651003412 5,200,00 63,99 11,750 4,881,92 501,11 1,49,350 1,982,161,770 37,00817303 -98,651002302 5,300,00 73,99 11,750 4,867,47 55,14 1,491,101 124,448,522 1,982,167,672 37,0082706 -98,6500903535 5,450,00 83,99 11,750 4,867,87 545,56 1,449,10 124,448,522 1,982,166,625 37,008690601 -98,5609080735 5,560,00 8,899 11,750 4,876,87 545,54 1,439,20 124,468,22 1,982,166,625 37,008690601 -98,56090873 5,560,00 8,989 11,750 4,876,70	1									
5,100.00 60.00 11,759 4,748.20 328.44 1,337.52 124,239.127 1,982.148.128 37,007825172 -98,561194086 5,200.00 60.00 11,759 4,803.25 421.80 1,382.14 124,332.14 1,982.145.77 37,006801699 -98,56108412 5,250.00 63.99 11,759 4,814.92 501.15 1,409.14 124,332.14 1,982.147.774 37,00681699 -98,561083422 5,350.00 68.99 11,759 4,814.92 501.15 1,409.41 124,401.835 1,982.147.774 37,008295652 -98,561032070 5,350.00 78.99 11,759 4,867.68 143.54 1,429.00 124,408.240 1,982.166.727 37,008295652 -98,561032070 5,450.00 83.99 11,759 4,876.87 43.54 1,429.00 124,408.240 1,982.216.562 37,008294877 -98,56083335 5,515.00 80.99 11,759 4,876.87 43.54 1,429.21 1,428.07 1,428.22 37,008294877 -98,560893354 1,428.22 1,428.07<										
5.20.0.0 60.00 11.750 4,98.20 4 13.23 1,391.16 124,313.91 1,982,180.750 37.00005005 -88.61008412 5.20.0.0 63.99 11.750 4,821.88 456.28 1,400.11 124,322.482 1,982,187.775 37.00005005 39.000 68.99 11.750 4,811.92 501.50 0.00 88.99 11.750 4,881.91 501.10 1,444.8135 1,982,187.757 37.0002706 -88.661002302 5.400.00 7.899 11.750 4,867.79 547.56 1,419.10 124.448.522 1,982,186.655 37.000842706 -88.560906335 5.500.00 8.899 11.750 4,876.87 645.54 1,439.00 124.544.20 1,982.269.655 37.000806061 -88.560906335 5.500.00 8.899 11.750 4,878.93 692.38 1,449.22 12.459.3065 1,982.219.908 37.008806061 -88.560906335 5.500.00 0.044 11.750 4,878.72 707.28 1,469.52 124.607.679 1,982.219.908 37.008861610 -88.560968737 <td></td>										
5,210,11 60,00 11,750 4,803,25 421,80 1,302,24 1,243,522,482 1,982,160,570 37,0080,61899 -98,56108412 5,250,00 83,99 11,750 4,814,92 501,15 1,404,01 124,401,835 1,982,177,075 37,0080,292662 -98,561092070 5,450,00 76,99 11,750 4,877,9 547,56 1,419,10 1,244,482,40 1,982,168,625 37,008627026 -98,5609690121 5,450,00 83,99 11,750 4,876,87 643,54 1,439,00 124,495,822 1,982,168,62 37,008637661 -98,5609683357 5,515,01 90,49 11,750 4,879,83 692,38 1,449,22 124,540,229 1,982,219,882 37,008865169 -98,560868288 5,600,00 90,49 11,750 4,879,27 790,28 1,469,99 124,690,965 3,700,930,373 798,866868288 5,600,00 90,49 11,750 4,877,66 986,08 1,503,22 1,982,219,893 37,0098936190 -98,860868285 5,600,00 9,492,117,60 4,877,66						,				
5,280,00 63,99 11,750 4,821,98 456,28 1,400,11 124,356,980 1,982,176,741 37,008176303 -98,8510303270 5,380,00 73,99 11,750 4,877,79 547,56 1,419,10 124,448,240 1,982,176,672 37,008267724 -98,8500936717 5,500,00 83,99 11,750 4,867,79 643,54 1,439,00 124,495,822 1,982,206,692 37,008957724 -98,85009685335 5,500,00 88,99 11,750 4,878,97 98,793,99 11,750 4,878,97 98,238,823 1,982,216,823 37,008960651 -98,850090971										
5,300,00 86,99 11,750 4,841,92 501,15 1,409,45 124,401,835 1,982,177,075 37,008,2706,20 -88,561032070 5,400,00 78,99 11,750 4,876,878 76,814 1,429,00 124,448,240 1,982,196,625 37,008,557724 -88,560969321 5,500,00 88,99 11,750 4,878,87 643,54 1,429,40 1,982,216,82 37,008,507681 -88,56083337 5,500,00 80,49 11,750 4,878,37 70,708 1,422,22 124,593,065 1,882,216,82 37,008,606,828 -88,56086288 5,500,00 90,49 11,750 4,879,27 790,28 1,499,29 1,882,217,219,008 37,008,666,190 -88,56086287 -88,56086287 5,500,00 90,49 11,750 4,877,56 986,08 1,891,25 1,892,231,67 37,009,608,608 -88,5607,5257 5,500,00 90,49 1,750 4,876,56 1,814,95 1,862,277,99 37,009,608,608,77 37,009,608,77 5,600,600,70 88,560,608,608 4,893,56 1,822,546,607 37,009,608,608,77								, ,		
5,580.00 78.99 117.50 4.857.79 547.55 1,419.10 124.448.240 1,982.186.727 37.006827026 -98.660969325 5,560.00 88.99 117.50 4,876.87 643.54 1,439.06 124.498.220 1,982.206.692 37.00680661 -98.660965325 5,560.00 88.99 117.50 4,876.87 643.54 1,439.06 124.548.220 1,982.206.692 37.00680661 -98.560930971 5,560.00 88.91 117.50 4,879.39 602.38 1,449.22 124.593.06 1,982.216.90 37.006806190 -98.560868585 5,560.00 90.49 117.50 4,879.27 700.28 1,489.59 124.690.96 1,982.219.90 37.006806190 -98.560868754 5,500.00 90.49 117.50 4,878.51 888.18 1,489.95 124.788.866 1,982.279.33 37.00680498 -98.560757267 5,500.00 90.49 117.50 4,875.84 1,813.91 1,551.04 122.502.568 1,982.279.33 37.006804698 -98.5606761825 5,600.00 90.49 117.50 4,875.84 1,814.99 1,522.28							*			
5,400.00 78.99 117.50 4,896.87 595.14 1,429.00 124,484.822 1,982.196.625 37.008507724 -98.690950351 5,500.00 83.99 117.50 4,879.93 602.38 1,449.22 124,583.065 1,982.216.852 37.008624827 -98.650930971 5,500.00 90.49 117.50 4,879.37 780.28 1,249.22 124,583.065 1,982.216.852 37.008624827 -98.65088754 5,600.00 90.49 117.50 4,879.27 790.28 1,469.59 124,690.965 1,982.237.216 37.00993737 -98.560827573 5,600.00 90.49 11.750 4,876.71 1,899.52 124,890.965 1,982.277.7943 37.00993737 -98.560827573 5,600.00 90.49 11.750 4,876.70 1,893.277.14 125,982.66 1,982.277.943 37.0086015556 -98.5606182256 6,000.00 90.49 11.750 4,876.91 1,279.79 1,591.41 125,984.66 1,982.239.307 37.010438299 -98.5606182256 6,000.00 90.49										
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6,800.00 90.49 11.750 4,869.00 1,965.09 1,713.96 125,865.773 1,982,481.583 37.012320662 -98.559992553 6,900.00 90.49 11.750 4,868.14 2,062.99 1,734.32 125,963.674 1,982,501.947 37.012589572 -98.559923031 7,100.00 90.49 11.750 4,866.43 2,258.80 1,775.05 126,159.475 1,982,522.310 37.012858483 -98.559783986 7,100.00 90.49 11.750 4,866.43 2,258.80 1,775.05 126,159.475 1,982,542.674 37.013127393 -98.559783986 7,200.00 90.49 11.750 4,865.57 2,356.70 1,795.41 126,257.376 1,982,563.038 37.01396303 -98.559714463 7,300.00 90.49 11.750 4,863.86 2,552.50 1,836.14 126,453.177 1,982,603.766 37.013934123 -98.559644940 7,400.00 90.49 11.750 4,863.86 2,552.50 1,836.14 126,453.177 1,982,603.766 37.013934123 -98.559575416 7,500.00 90.49 11.750 4,863.00 2,650.40 1,856.50 126,551.077 1,982,603.766 37.013934123 -98.559575416 7,700.00 90.49 11.750 4,863.05 2,748.30 1,876.87 126,648.978 1,982,664.894 37.0144704953 -98.5599436860 7,700.00 90.49 11.750 4,864.29 2,846.20 1,897.23 126,746.879 1,982,664.494 37.0144704953 -98.5599366840 7,800.00 90.49 11.750 4,864.42 2,944.10 1,917.60 126,844.779 1,982,665.222 37.015009763 -98.559297314 7,900.00 90.49 11.750 4,859.58 3,042.00 1,937.96 126,942,680 1,982,705.586 37.015278673 -98.559227787 8,000.00 90.49 11.750 4,858.52 3,139.90 1,958.32 127,040.581 1,982,765.678 37.0162545782 -98.559982738 8,000.00 90.49 11.750 4,855.80 3,042.00 1,937.96 126,942,680 1,982,725.586 37.015278673 -98.559287731 8,000.00 90.49 11.750 4,855.30 3,531.51 2,039.78 127,334.283 1,982,765.686 37.016354312 -98.559808733 8,200.00 90.49 11.750 4,855.30 3,531.51 2,039.78 127,334.283 1,982,765.687 37.016354312 -98.559808733 8,200.00 90.49 11.750 4,855.30 3,531.51 2,039.78 127,236.382 1,982,766.678 37.016354312 -98.558908733 8,200.00 90.49 11.750 4,855.30 3,531.51 2,039.78 127,236.382 1,982,766.678 37.016354312 -98.558908733 8,200.00 90.49 11.750 4,855.30 3,531.51 2,039.78 127,236.382 1,982,766.678 37.0163634312 -98.55891056 8,200.00 90.49 11.750 4,855.30 3,531.51 2,039.78 127,236.385 1,982,807.405 37.016362321 -98.558801745 8,	6,600.00	90.49	11.750	4,870.71	1,769.29	1,673.23	125,669.972	1,982,440.855	37.011782842	-98.560131594
6,900.00 90.49 11.750 4,868.14 2,062.99 1,734.32 125,963.674 1,982,501.947 37.012589572 -98.559923031 7,000.00 90.49 11.750 4,867.28 2,160.89 1,754.68 126,061.574 1,982,522.310 37.012858483 -98.559835099 7,200.00 90.49 11.750 4,866.43 2,258.88 1,775.05 126,691.574 1,982,563.308 37.013396303 -98.559835099 7,200.00 90.49 11.750 4,864.72 2,454.60 1,815.78 126,257.376 1,982,563.038 37.013396303 -98.559644940 7,400.00 90.49 11.750 4,863.00 2,656.50 1,836.14 126,551.077 1,982,684.130 37.013666213 -98.559555891 7,500.00 90.49 11.750 4,863.00 2,656.50 1,866.50 126,551.077 1,982,644.130 37.014471943 -98.559436366 7,500.00 90.49 11.750 4,866.15 2,748.30 1,876.87 126,648.978 1,982,644.494 37.014740853 -98.5593658494 <t< td=""><td>6,700.00</td><td>90.49</td><td>11.750</td><td>4,869.85</td><td>1,867.19</td><td>1,693.59</td><td>125,767.872</td><td>1,982,461.219</td><td>37.012051752</td><td>-98.560062074</td></t<>	6,700.00	90.49	11.750	4,869.85	1,867.19	1,693.59	125,767.872	1,982,461.219	37.012051752	-98.560062074
7,000.00 90.49 11.750 4,867.28 2,160.89 1,754.68 126,061.574 1,982,522.310 37.012858483 -98.55985309 7,100.00 90.49 11.750 4,866.43 2,258.80 1,775.05 126,159.475 1,982,542.674 37.013127393 -98.559783986 7,200.00 90.49 11.750 4,865.57 2,356.70 1,795.41 126,257.376 1,982,563.038 37.01336333 -98.559783986 7,300.00 90.49 11.750 4,863.76 1,759.41 126,257.376 1,982,630.38 37.0133663213 -98.559644940 7,400.00 90.49 11.750 4,863.86 2,552.50 1,836.14 126,453.177 1,982,637.766 37.0133665213 -98.559655891 7,600.00 90.49 11.750 4,863.86 2,552.50 1,856.50 126,551.077 1,982,634.30 37.0144703033 -98.5594586366 7,700.00 90.49 11.750 4,861.29 2,846.20 1,897.23 126,746.879 1,982,664.858 37.014740853 -98.559368840 7,800.00 <td>6,800.00</td> <td>90.49</td> <td>11.750</td> <td>4,869.00</td> <td>1,965.09</td> <td>1,713.96</td> <td>125,865.773</td> <td>1,982,481.583</td> <td>37.012320662</td> <td>-98.559992553</td>	6,800.00	90.49	11.750	4,869.00	1,965.09	1,713.96	125,865.773	1,982,481.583	37.012320662	-98.559992553
7,100.00 90.49 11.750 4,866.43 2,258.80 1,775.05 126,159.475 1,982,542.674 37.013127393 -98.559783986 7,200.00 90.49 11.750 4,864.72 2,366.70 1,795.41 126,257.376 1,982,563.038 37.013395303 -98.559741463 7,300.00 90.49 11.750 4,864.72 2,464.60 1,816.78 126,355.276 1,982,663.3402 37.0133934123 -98.559575416 7,500.00 90.49 11.750 4,863.80 2,552.50 1,836.14 126,453.177 1,982,603.766 37.013934123 -98.559575416 7,500.00 90.49 11.750 4,863.20 2,650.40 1,866.50 126,655.1077 1,982,604.494 37.014471943 -98.5599569891 7,700.00 90.49 11.750 4,861.29 2,946.20 1,897.23 126,746.879 1,982,664.858 37.014471943 -98.5592693694 7,800.00 90.49 11.750 4,860.44 2,944.10 1,917.60 126,844.779 1,982,685.222 37.015009763 -98.559297314	6,900.00	90.49	11.750	4,868.14	2,062.99	1,734.32	125,963.674	1,982,501.947	37.012589572	-98.559923031
7,200.00 90.49 11.750 4,865.57 2,356.70 1,795.41 126,257.376 1,982,563.038 37.013396303 -98.559714463 7,300.00 90.49 11.750 4,864.72 2,454.60 1,815.78 126,355.276 1,982,583.402 37.013365213 -98.559644940 7,500.00 90.49 11.750 4,863.86 2,552.50 1,836.14 126,551.077 1,982,603.766 37.013934123 -98.559555581 7,500.00 90.49 11.750 4,863.00 2,650.40 1,866.87 126,648.978 1,982,664.494 37.014203033 -98.559505691 7,600.00 90.49 11.750 4,862.15 2,748.30 1,876.87 126,648.978 1,982,664.494 37.014471943 -98.559366840 7,800.00 90.49 11.750 4,869.44 2,944.10 1,917.60 126,842.79 1,982,664.858 37.015278673 -98.559267814 8,000.00 90.49 11.750 4,859.58 3,042.00 1,937.96 126,942.680 1,982,705.586 37.015278673 -98.559227787		90.49	11.750	4,867.28	2,160.89	1,754.68	126,061.574	1,982,522.310	37.012858483	-98.559853509
7,300.00 90.49 11.750 4,864.72 2,454.60 1,815.78 126,355.276 1,982,583.402 37.013665213 -98.559644940 7,400.00 90.49 11.750 4,863.86 2,552.50 1,836.14 126,453.177 1,982,603.766 37.013934123 -98.559575416 7,500.00 90.49 11.750 4,863.00 2,650.40 1,856.50 126,551.077 1,982,603.766 37.014203033 -98.559505891 7,600.00 90.49 11.750 4,862.15 2,748.30 1,876.87 126,648.978 1,982,664.494 37.014740853 -98.559366840 7,700.00 90.49 11.750 4,861.29 2,846.20 1,897.23 126,746.879 1,982,664.4858 37.014740853 -98.559366840 7,800.00 90.49 11.750 4,865.85 3,042.00 1,937.96 126,844.779 1,982,664.858 37.015207673 -98.559227787 8,000.00 90.49 11.750 4,858.72 3,139.90 1,982.92 127,040.581 1,982,765.596 37.0152673 -98.559087873	7,100.00	90.49		4,866.43	2,258.80	1,775.05	126,159.475	1,982,542.674	37.013127393	-98.559783986
7,400.00 90.49 11.750 4,863.86 2,552.50 1,836.14 126,453.177 1,982,603.766 37.013934123 -98.559575416 7,500.00 90.49 11.750 4,863.00 2,650.40 1,856.50 126,551.077 1,982,624.130 37.014203033 -98.559056891 7,600.00 90.49 11.750 4,861.29 2,748.30 1,876.87 126,648.978 1,982,644.494 37.014471943 -98.559366840 7,700.00 90.49 11.750 4,861.29 2,846.20 1,897.23 126,746.879 1,982,664.858 37.014740853 -98.559366840 7,800.00 90.49 11.750 4,869.44 2,944.10 1,917.60 126,844.779 1,982,685.222 37.015009763 -98.559297314 7,900.00 90.49 11.750 4,859.72 3,139.90 1,958.32 127,040.581 1,982,765.586 37.015276673 -98.55918260 8,100.00 90.49 11.750 4,857.87 3,237.80 1,978.69 127,138.481 1,982,766.314 37.0165476492 -98.559018260 <tr< td=""><td>7,200.00</td><td>90.49</td><td>11.750</td><td>4,865.57</td><td>2,356.70</td><td>1,795.41</td><td>126,257.376</td><td>1,982,563.038</td><td>37.013396303</td><td>-98.559714463</td></tr<>	7,200.00	90.49	11.750	4,865.57	2,356.70	1,795.41	126,257.376	1,982,563.038	37.013396303	-98.559714463
7,500.00 90.49 11.750 4,863.00 2,650.40 1,856.50 126,551.077 1,982,624.130 37.014203033 -98.559505891 7,600.00 90.49 11.750 4,862.15 2,748.30 1,876.87 126,648.978 1,982,644.494 37.014471943 -98.559436366 7,700.00 90.49 11.750 4,861.29 2,846.20 1,897.23 126,746.879 1,982,664.858 37.01474983 -98.559366840 7,800.00 90.49 11.750 4,869.44 2,944.10 1,917.60 126,844.779 1,982,665.222 37.015009763 -98.559297314 7,900.00 90.49 11.750 4,858.72 3,139.90 1,958.32 127,040.581 1,982,725.950 37.015278673 -98.559158260 8,100.00 90.49 11.750 4,857.87 3,237.80 1,978.69 127,138.481 1,982,766.678 37.015816492 -98.559088733 8,200.00 90.49 11.750 4,857.87 3,233.50 1,999.05 127,236.382 1,982,766.678 37.016816492 -98.558908873	7,300.00	90.49	11.750	4,864.72		1,815.78	126,355.276	1,982,583.402	37.013665213	
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Database: DT_Aug2923v16
Company: CMX Oil Properties

Project: Barber County, Kansas NAD27 Ks S

Site: Section 07-T35S-R11W

Well: Scrooge 2-7
Wellbore: Original Hole
Design: rev4

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Scrooge 2-7

RKB=1381+15 @ 1396.00ft RKB=1381+15 @ 1396.00ft

Grid

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,600.00 9,700.00 9,720.02	90.49 90.49 90.49	11.750 11.750 11.750	4,845.03 4,844.17 4,844.00	4,706.32 4,804.22 4,823.82	2,284.15 2,304.51 2,308.59	128,606.991 128,704.892 128,724.493	1,983,051.772 1,983,072.136 1,983,076.214	37.019850135 37.020119044 37.020172885	-98.558045758 -98.557976223 -98.557962300

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Scrooge 2-7 BHL 2640 F - plan hits target cer - Point		0.000	4,844.00	4,823.82	2,308.59	128,724.493	1,983,076.214	37.020172885	-98.557962300

Formations							
	Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
	4,005.78	3,835.59	Heebner Shale		-0.43	25.575	
	4,584.95	4,380.86	Kansas City		-0.43	25.575	
	4,755.21	4,529.26	Stark Shale		-0.43	25.575	
	4,859.12	4,608.76	Base KC		-0.43	25.575	
	5,108.15	4,752.28	Cherokee		-0.43	25.575	
	5,269.53	4,830.25	Mississippian		-0.43	25.575	
	5,409.87	4,871.27	Mississippian Target		-0.43	25.575	

Plan Annotations				
Measured	Vertical	Local Coor	dinates	
Depth (ft)	Depth (ft)	+N/-S	+E/-W	Comment
		(ft)	(ft)	
350.00	350.00	0.00	0.00	KOP Begin 2°/100' build
1,317.66	1,299.36	0.00	161.88	Begin 19.35° tangent
4,450.29	4,254.98	0.00	1,200.00	Begin 10°/100' build/turn
5,030.11	4,713.25	269.18	1,361.20	Begin 60.00° tangent
5,210.11	4,803.25	421.80	1,392.94	Begin 10°/100' build
5,515.01	4,880.00	707.08	1,452.28	Begin 90.49° lateral
9,720.02	4,844.00	4,823.82	2,308.59	PBHL @ 9720.02 MD 4844.00 TVD

Fracture Start Date/Time:	04/14/2024 10:00AM
Fracture End Date/Time:	04/17/2024 05:00PM
State:	KS
County:	Barber
API Number:	15-007-24493-0000 (e
Operator Number:	M
Well Name:	Scrooge 2H
Federal Well:	No
Tribal Well:	No
Longitude:	-98.560324
Latitude:	37.006043
Long/Lat Projection:	NAD83
True Vertical Depth (TVD):	5,122'
Total Clean Fluid Volume* (gal):	550,452



Additive	Specific Gravity	Additive Quantity	Mass (lbs)
Water	1.00	550,452	4,593,522
Sand		274,640	274,640
Acid	1.13	20,750	195,669
FRA-1-Friction Reducer	1.06	344	3,043
LB-1-Biosuite GQ2510	1.04	65	564
PB-1-FRB-1 Breaker	1.15	157	1,507
SI-18-Scale Inhibitor	1.04	76	660
A-2-Corrosion Inhibitor	1.30	21	228
HNE-1-NES-1	0.99	42	347
	•		Total Slurry Mass (Lbs 5,070,179

Ingredients Section:

Ingredients Section.													
Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Mass per Component (LBS)	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments	Claimant Company	Claimant First Name	Claimant Last Name	Claimant Email	Claimant Phone (nnn-nnn-nnnn)
Water	McGinness Energy	Carrier/Base Fluid	Water	7732-18-5	100.00%	4,593,522	90.59880%						
Sand	SPS	Propping Agent	Crystalline Silica	14808-60-7	100.00%	274,640	5.41677%			<u> </u>	 	_	
Acid	Reagent Chemical	Acidizing	Hydrogen Chloride	7647-01-0	36.00%	70,441	1.38932%			<u> </u>	 	_	
			Water	7732-18-5	64.00%	125,228	2.46990%		1				
FRA-1-Friction Reducer	Chemplex Chemical	Friction Reducer	Distillates (petroleum), Hydrotreated light	64742-47-8	20.00%	609	0.01200%						
			Oleic Acid Diethanolamide	93-83-4	2.00%	61	0.00120%						
			Ammonium chloride ((NH4)CI)	12125-02-9	1.00%	30	0.00060%						
			Water	7732-18-5	77.00%	2,343	0.04621%						
LB-1-Biosuite GQ2510	BioSuite LLC	Biocide	Glutaral	111-30-8	30.00%	169	0.00334%						
			Quaternary ammonium compounds, benzyl-C12-16-al	1 68424-85-1	14.00%	79	0.00156%						
			Methanol	67-56-1	4.00%	23	0.00045%						
			ethanol: ethyl alcohol	64-17-5	4.00%	23	0.00045%						
			Water	7732-18-5	48.00%	271	0.00534%						
PB-1-FRB-1 Breaker	EES	Friction Reducer	Sodium Chlorite	7758-19-2	10.00%	151	0.00297%						
			Water	7732-18-5	90.00%	1,356	0.02675%						
SI-18-Scale Inhibitor	Flotek Chemistry	Scale Inhibitor	Methyl alcohol	67-56-1	5.00%	33	0.00065%						
			Water	7732-18-5	95.00%	627	0.01236%						
A-2-Corrosion Inhibitor	Innospec Oilfield	Acid Inhibitor	Ethanediol; Ethylene Glycol	107-21-1	60.00%	137	0.00270%						
			N,N-dimethylformamide: Dimethyl Formamide	68-12-2	14.00%	32	0.00063%						
			4-Nonylphenol, Branched, Ethoxylated	127087-87-0	3.00%	/	0.00013%						
			Cinnamaldehyde	104-55-2	3.00%	7	0.00013%						
			2-Butoxyethanol; Butyl Cellosolve	111-76-2	3.00%	7	0.00013%						
			Propan-2-ol; Isopropanol	67-63-0	3.00%	7	0.00013%						
			Quaternary Ammonium Compound	Proprietary	4.00%	9	0.00018%		Innospec Oilfield	JC	Adams	Jc.Adams@innospecinc.com	
			Proprietary Alcohol	Proprietary	5.00%	11	0.00022%		Innospec Oilfield	JC	Adams	Jc.Adams@innospecinc.com	405-677-8296
			Alkyl Phosphate	Proprietary	5.00%	11	0.00022%		Innospec Oilfield	JC	Adams	Jc.Adams@innospecinc.com	405-677-8296
HNE-1-NES-1	Moon Chemical	Non-Emulsifier	Proprietary	Proprietary	100.00%	347	0.00684%		Moon Chemical	Marvin	Misak	marvin@moonchemical.com	405-787-4110
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*Total Water Volume sources may include fresh water, produced water, and/or recycled water
** Information is based on the maximum potential for concentration and thus the total may be over 100%
All component information

Conservation Division 266 N. Main St., Ste. 220 Wichita, KS 67202-1513



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Laura Kelly, Governor

Andrew J. French, Chairperson Dwight D. Keen, Commissioner Annie Kuether, Commissioner

July 18, 2024

Douglas H McGinness II McGinness Energy Company, Inc. 1635 N WATERFRONT PKWY STE 220 WICHITA, KS 67206-6630

Re: ACO-1 API 15-007-24493-01-00 SCROOGE 2H NW/4 Sec.18-35S-11W Barber County, Kansas

Dear Douglas H McGinness II:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 02/11/2024 and the ACO-1 was received on July 18, 2024 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department