

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

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:

Operator Name: _____

Lease Name: _____ License #: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, 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 / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	PREISSER FARMS 1
Doc ID	1387025

Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugType	BridgePlugSet At	Material Record
6	6909	6911			
6	6940	6942			
6	7044	7046			
6	7075	7077			
6	7078	7080			
6	7046	7048			
6	6480	7492			
6	6524	6526			
6	6590	6592			
6	6662	6664			
6	6128	6130			
6	6212	6214			
6	6290	6292			
6	6370	6372			
6	5844	5846			
6	5923	5925			
6	5973	5975			
6	6026	6028			
6	5528	5530			
6	5600	5602			
6	5720	5722			
6	5184	5186			
6	5272	5274			

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	PREISSER FARMS 1
Doc ID	1387025

Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugType	BridgePlugSet At	Material Record
6	5360	5362			
6	5440	5442			
6	4908	4910			
6	4950	4952			
6	5002	5004			
6	5088	5090			
6	4580	4582			
6	4640	4642			
6	4750	4752			
6	4848	4850			
6	4150	4152			
6	4252	4254			
6	4340	4342			
6	4468	4470			



Home
(785) 798-3400

Andrew Stenzel Geologist

Ness City, Kansas



Cell
(785) 798-9977

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Preisser Farms
UWI: 15155217500100
Location: NW-NE-NE-NE Sec. 23-25S-10W (Reno County)
License Number: 15-155-21750-01-00
Spud Date: 12/10/2017
Surface Coordinates: 213' FNL & 434' FEL
Region: Kansas
Drilling Completed: 01/10/2017

Bottom Hole
Coordinates:
Ground Elevation (ft): 1732
Logged Interval (ft): 3900 To: TD
Formation: Mississippi
Type of Drilling Fluid: MudCo Chemical
K.B. Elevation (ft): 1747
Total Depth (ft):

Printed by HorizontalLog from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Palomino Petroleum, Inc.
Address: 4924 SE 84th St
Newton, KS 67114

GEOLOGIST

Name: Andrew Stenzel
Company: Petroleum Geologist
Address: 501 S. Franklin
Ness City, KS 67560

Formation Tops

Formation	Measured Depth	True Vertical Depth (Sub Sea)
Heebner	3250	3250 (-1503)
Brown LS	3432	3431 (-1684)
Lansing	3454	3452 (-1705)
Stark Sh	3754	3712 (-1965)
BKC	3883	3800 (-2053)
Cherokee Sh	4046	3887 (-2140)
Miss	4096	3907 (-2160)
TD		

Drilling Report

12/10/17 MIRU, ran surface casing
12/11/17 Nipple up BOP @ 262'
12/12/17 Drilling @ 1495'
12/13/17 Drilling @ 2500'
12/14/17 Running directional tools @ 3290'
12/15/17 Drilling @ 3520'
12/16/17 Drilling @ 3940'
12/17/17 Circulating @ 4273'
12/18/17 Ran intermediate casing, shut down for Christmas
12/28/17 Tripping in hole with bit & BHA
12/29/17 Tripping in hole with bit & BHA
12/30/17 Drilling @ 4785'
12/31/17 Tripping out with bit and BHA @ 5166'
1/1/18 Drilling @ 5514'
1/2/18 Drilling @ 6026'
1/3/18 Tripping in hole with bit & BHA @ 6307'
1/4/18 Drilling @ 6541'
1/5/18 Drilling @ 6707'
1/6/18 Tripping in hole with bit & BHA @ 6926'
1/7/18

Vendors

Rig: WW Drilling, Rig #14
Mud: Mudco
Directional tools: Schlumberger
Logs: Schlumberger MWD



















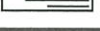

Casing Record

SURFACE: Ran 5 jts new 9 5/8", 24# casing @ 257', cemented w 150 sx common, 2% gel, 3%cc, cement did circulate, plug down @ 8:00pm.




































INTERMEDIATE: Ran 29 jts BTC 26# & 79 jts LTC new 7" casing @ 4266'. Pumped 500 gal mud flush & 20 BBLS KCL water. Cemented w 600 sx SMD, had 1500# lift pressure, held, plug down @ 2:30am.

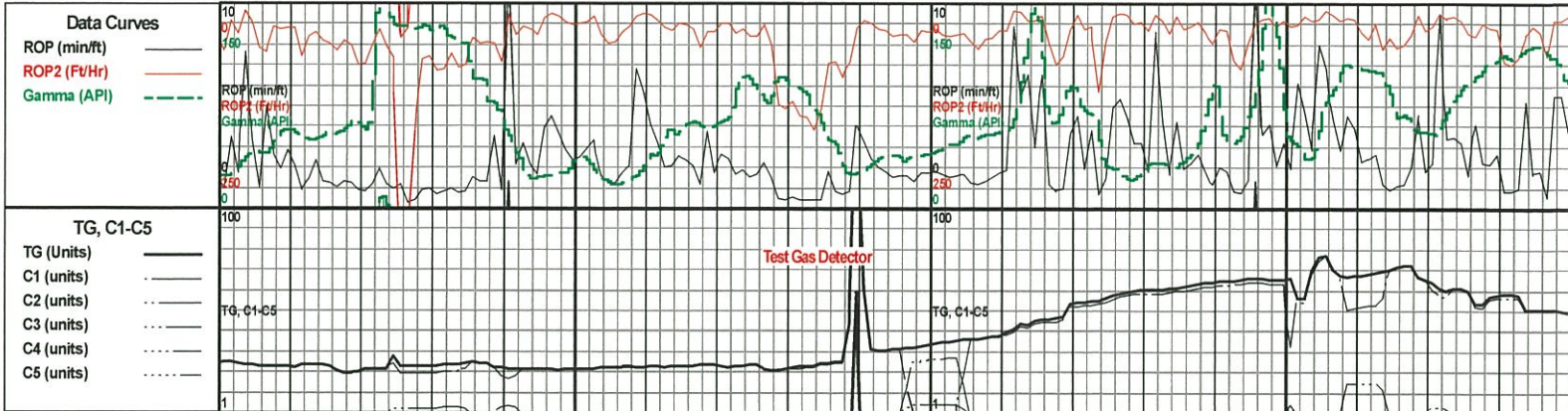
PRODUCTION:

ROCK TYPES

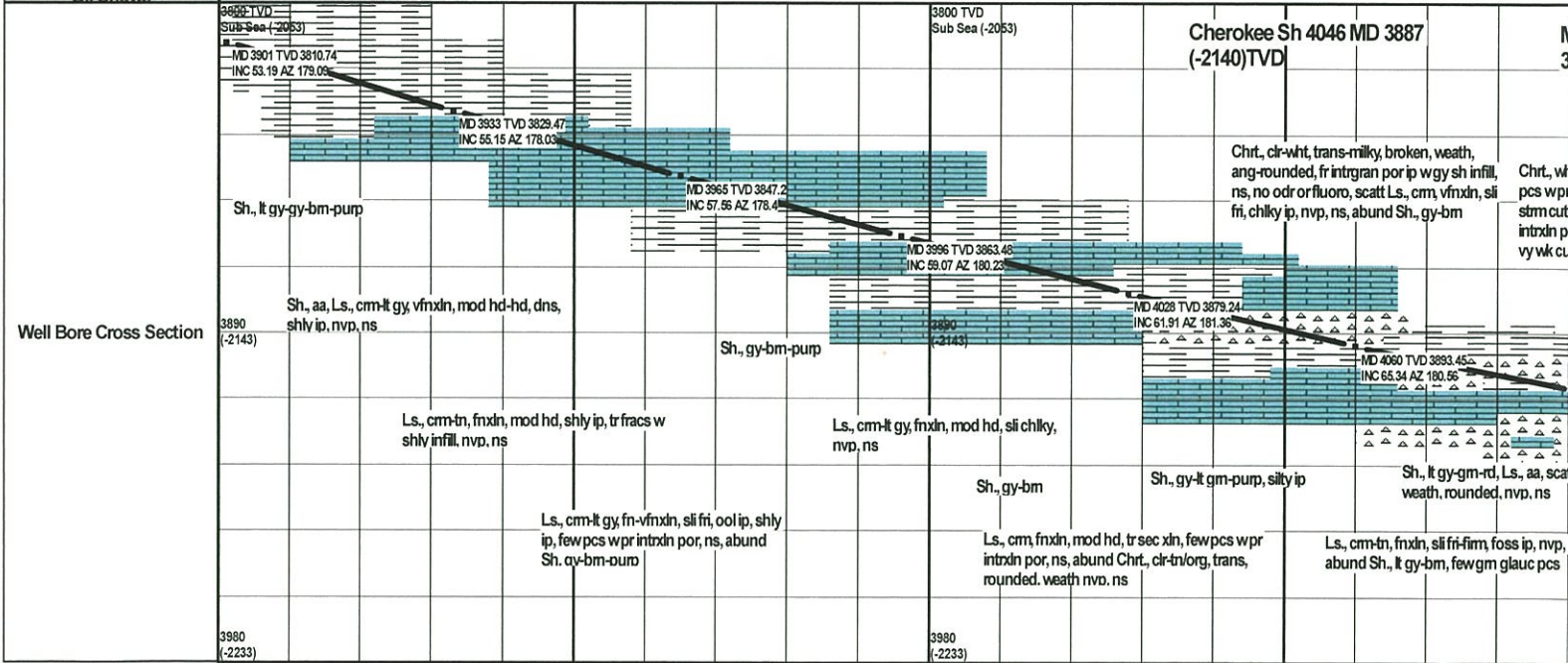
 Anhy	 Clyst	 Gyp	 Mrlst	 Shgy
 Bent	 Carb sh	 Igne	 Salt	 Sltst
 Brec	 Congl	 Lmst	 Shale	 Ss
 Cht	 Dol	 Meta	 Shcol	 Till

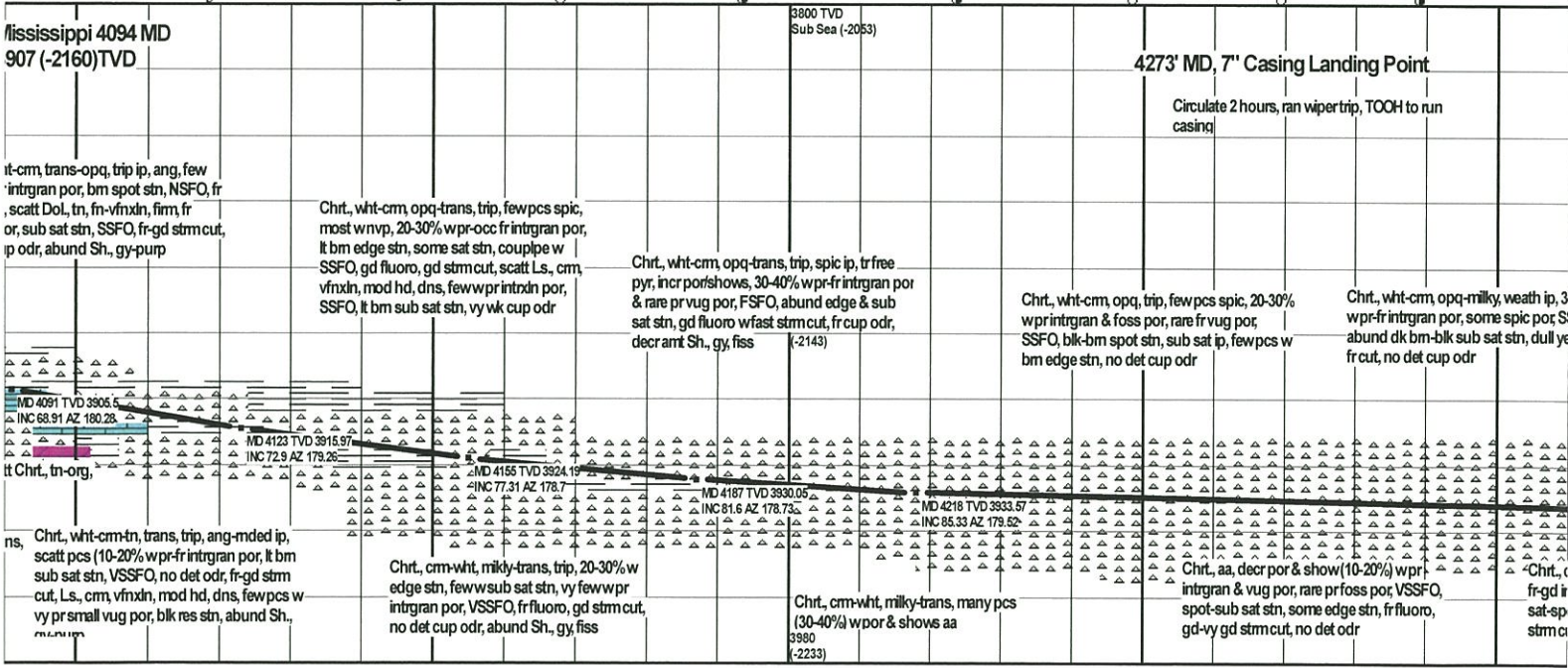
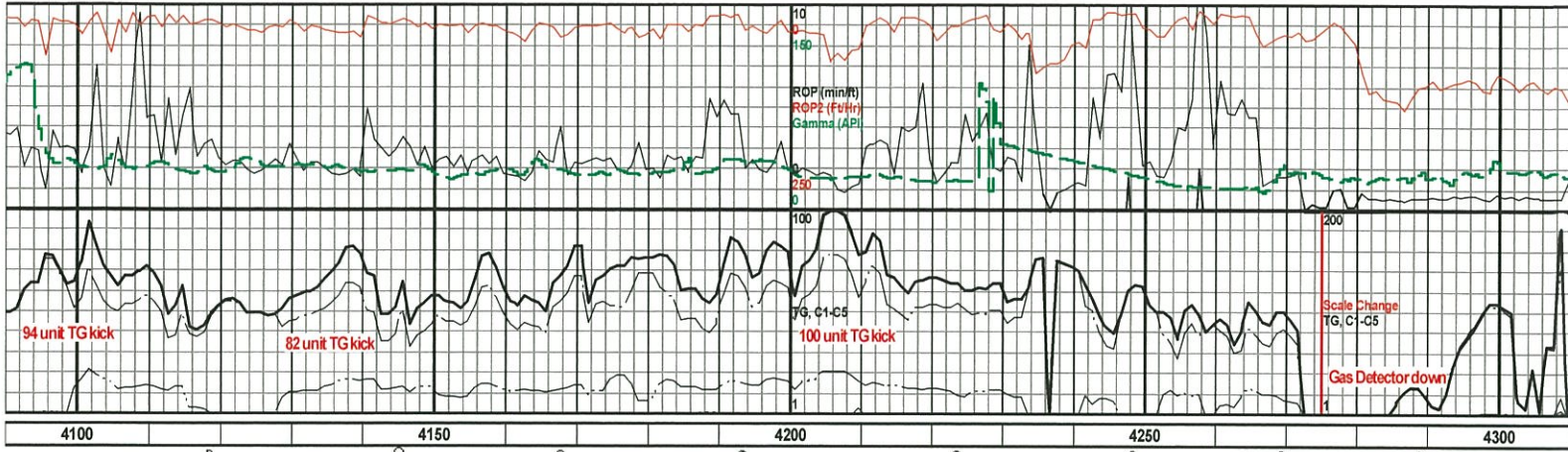
ACCESSORIES

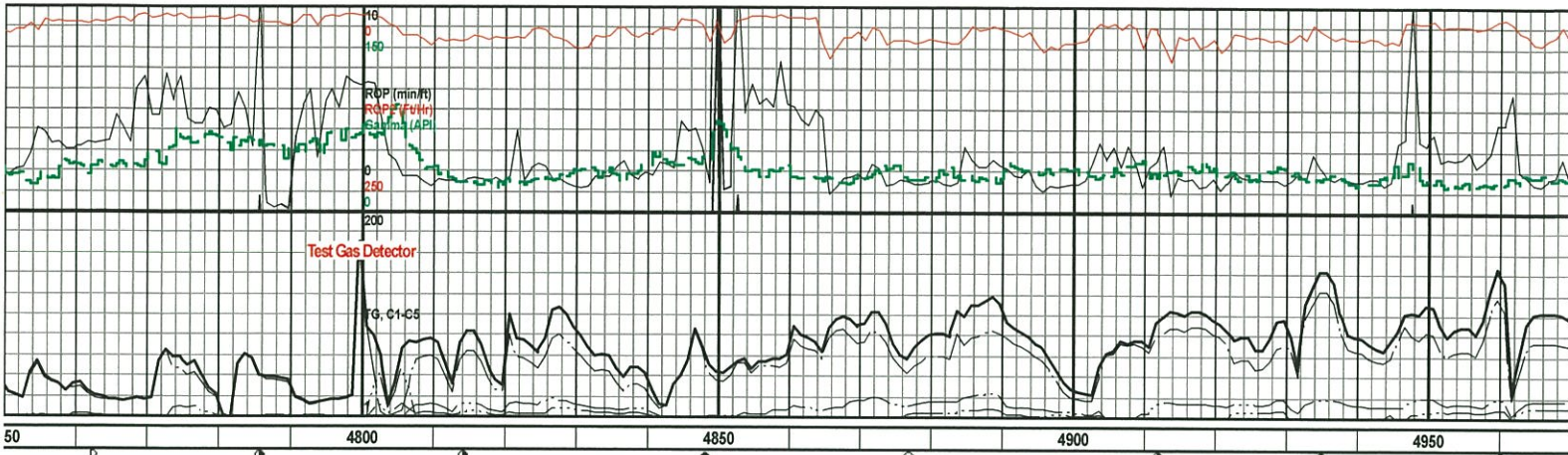
FOSSIL	 Crin	 Pellet	 Coal	OIL SHOW
 Algae	 Echin	 Pisolite	 Dol	 Good
 Amph	 Fish	 Plant	 Gyp	 Fair
 Belm	 Foram	 Strom	 Ls	 Slight
 Bioclst	 Fossil	STRINGER	 Mrst	 Very slight
 Brach	 Gastro	 Anhy	 Sltstrg	
 Bryozoa	 Oolite	 Arg	 Ssstrg	
 Cephal	 Ostra	 Bent		
 Coral	 Pelec			



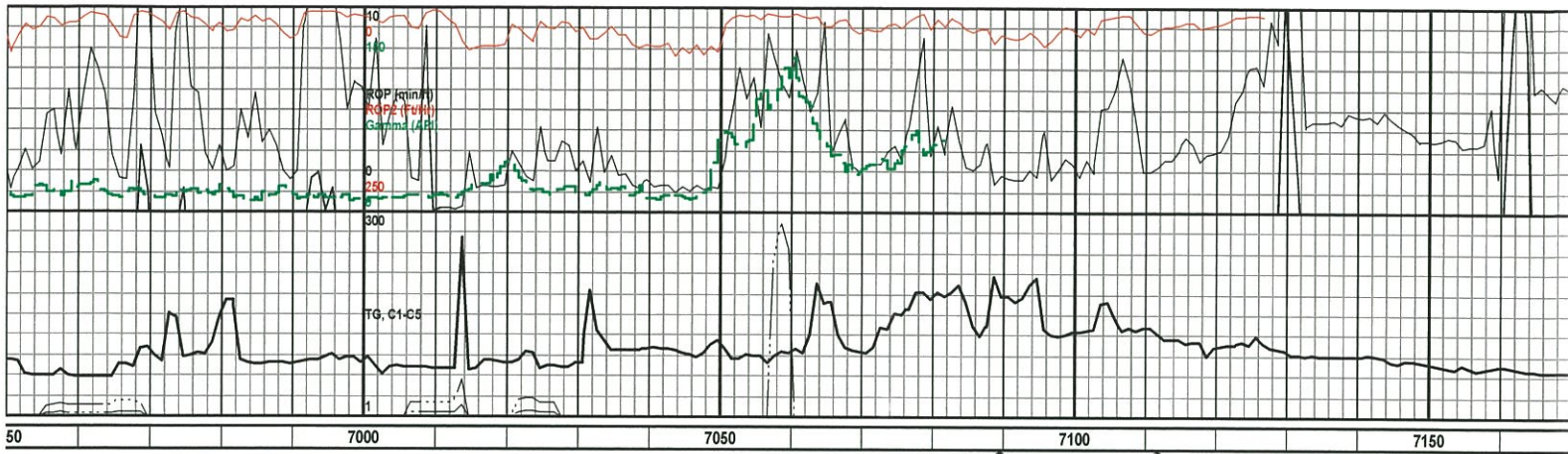
Superior	00	3950	4000	4050
Depth	00	3950	4000	4050
Oil Shows				



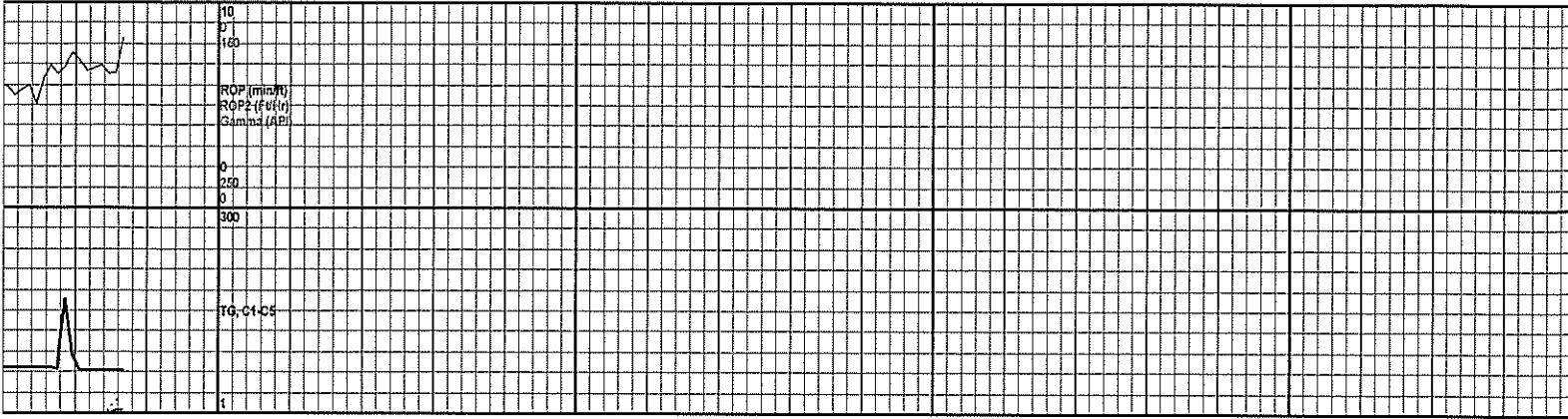




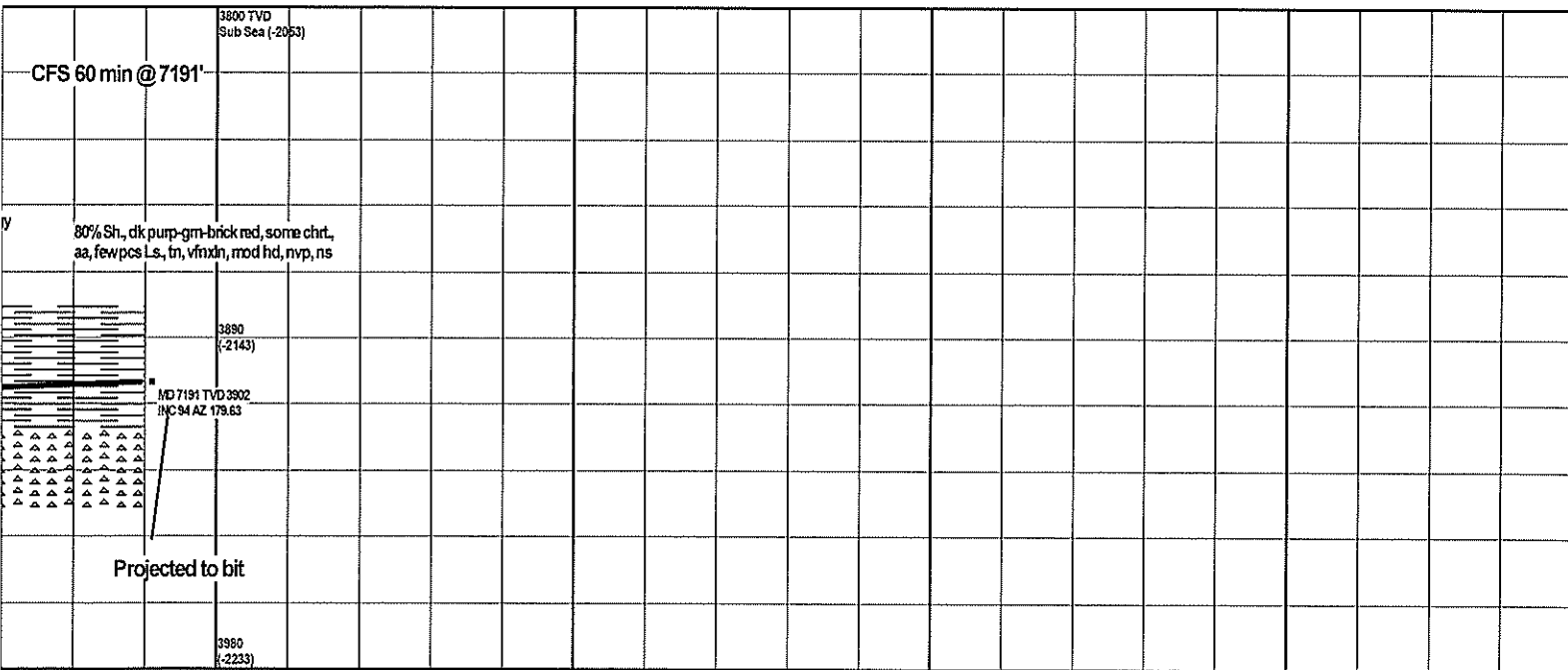
		3800 TVD Sub Sea (-2053)							
ht-off wht, some weath, most fresh, 20% wfr intrgran por, VSSFQ, sub spot stn, fr cut fluoro		Chrt., wht-clr, trans-opq, some fresh, shp, most weath, trip ip, 20-30% wfr intrgran & rare vug por, SSFO, spot-sub sat stn, gd strn brt yel cut		Chrt., wht-cm-clr, trans-opq, trip, 40-50% wfr intrgran & occ vug por, FSFO, mostly sat stn, num gas bub on brk, excel brt yel strn cut, fr cut		Chrt., off wht-clr-lyl, trans, weath, trip ip, 20-30% wfr intrgran & occ vug por, S-FSFO, abund sub sat-sat stn, rare edge & spot stn, num gas bub on brk, gd-excel strn cut, fr cut		Chrt., cm-off wht, opq- some fri, 40-50% wfr intr gran, FSFO, gas bub on l excel strn brt yel cut, gc	
		3890 (-2143)							
		MD 4791 TVD 3931.55 INC 91.29 AZ 175.89				MD 4886 TVD 3929.04 INC 91.74 AZ 175.12			
Chrt., wht-off wht-clr, decr amt fresh, abund trip, 30-40% wfr-gd intrgran & occ vug por, FSFO, abund sat-sub sat stn, gd strn brt yel cut, wk cut		Chrt., cm-wht, trans-opq, some fresh, shp, most weath, trip ip, 30-40% wfr intrgran & rare vug por, FSFO, abund sat & sub sat stn, few gas bub on brk, gd-excel strn cut		Chrt., wht-cm, trans-opq, 20-30% wpr intrgran por, SSFO ip, spot & edge stn, some sub sat stn. gd strn cut		Chrt., cm-clr-off wht, trans, spic, weath, trip ip, 30-40% wfr intrgran & rare vug por, FSFO, abund sat-sub sat stn ip, fr cup odr, num gas bub on brk, fr yel fluoro, excel strn cut			
		3980 (-2233)							



	3800 TVD Sub Sea (-2053)			
L, clr-whit-few pcs yell org, trans, most h, shp, 10-20% pcs weath, trip ip, half w fFO, spot-sub sat stn, pr cut, no det odr % Sh., gy, poss slough			Chrt., wht-clr, opq-trans, most weath, trip, 70-80% wpr-fr intrgran por, FSFO, sub sat-sat stn, few gas bub on brk, gd-excel strm cut, od cun odr	Decrnt of Chrt., 70-80% Sh., dk gm-g
<p>3890 (-2145)</p> <p>MD 6976 TVD 3915.98 INC 92.41 AZ 179.36</p>		<p>MD 7071 TVD 3910.78 INC 83.87 AZ 179.63</p>		
	Chrt., clr-off wht-few pcs org, most fresh, shp, 20-30% weath, some wVSSFO, spot stn, pr cut, no det cup odr, 5-10% Sh., gy, poss slough		Chrt., wht-clr, opq-milky, most weath, 40-50% wpr-fr intrgran por, FSFO, some free oil in tray, sub sat-spot stn, few gas bub on brk, gd strm cut, fr cup odr. Sh., dk gm-gy, 40-50% of trav	
3980 (-2233)				



	7200			7250				7300					7350				
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SWIFT



P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300

RECEIVED

JAN 13 2018

Invoice

DATE	INVOICE #
1/9/2018	30840

BILL TO
Palomino Petroleum Inc. 4924 S E 84th Street Newton, KS 67114-8827

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Preisser Farms	Reno	WW Drilling Rig ...	Oil	Development	Cement 4 1/2 Ca...	Jonathan
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				100	Miles	5.00	500.00
578D-L	Pump Charge - Long String				1	Job	1,250.00	1,250.00
290	D-Air				4	Gallon(s)	42.00	168.00T
281	Mud Flush				500	Gallon(s)	1.25	625.00T
221	Liquid KCL (Clayfix)				2	Gallon(s)	25.00	50.00
330	Swift Multi-Density Standard (MIDCON II)				300	Sacks	15.75	4,725.00T
276	Flocele				75	Lb(s)	2.25	168.75T
580	Additional Hours (If Circulate More Than 1 Hour)				6	Hours	200.00	1,200.00T
581D	Service Charge Cement				300	Sacks	1.50	450.00
583D	Drayage				1,493	Ton Miles	0.75	1,119.75
	Subtotal							10,256.50
	Sales Tax Reno County						8.00%	550.94
We Appreciate Your Business!						Total	\$10,807.44	



CHARGE TO: Palomino Petroleum

ADDRESS
CITY, STATE, ZIP CODE

TICKET 30840

PAGE 1 OF

1. <u>Hays, KS</u>	WELL/PROJECT NO. <u># 1</u>	LEASE <u>Preisser Farms</u>	COUNTY/PARISH <u>Rebo</u>	STATE <u>KS</u>	CITY	DATE <u>01/09/18</u>	OWNER
2. <u>Ness City, KS</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>W W Drilling</u>	RIG NAME/NO. <u># 14</u>	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>Location</u>	ORDER NO.	
3.	WELL TYPE <u>D1</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Cement 4 1/2" Casing</u>	WELL PERMIT NO.			
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE #113	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575		1				100	mi.				5.00	500.00
578		1			Pump Charge - Long String	1	EA				1250.00	1250.00
290		1			D-Air	4	gal				42.00	168.00
281		1			Mud Flush	500	gal				1.25	625.00
221		1			Liquid KCL	2	gal				25.00	50.00
330		2			Swift Mth's - Density Standard	300	SKS				15.25	4725.00
276		2			Fluore	75	lbs				2.25	168.75
580		1			Additional Hours	6	Hrs				200.00	1200.00
81		2			Service Charge Cement	300	SKS				1.50	450.00
583		2			Drayage	100	mi.				1.19	119.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY**, and **LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED _____ TIME SIGNED _____ A.M. P.M.

REMIT PAYMENT TO:
SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY
 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
 WE UNDERSTOOD AND MET YOUR NEEDS?
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
 ARE YOU SATISFIED WITH OUR SERVICE?

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 10,256.50

TOTAL 10881.24

SWIFT OPERATOR: [Signature] APPROVAL: [Signature]

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: [Signature]

The customer hereby acknowledges receipt of the materials and services listed on this ticket.

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 01/09/18 PAGE NO. 1

CUSTOMER Alomino Petroleum WELL NO. #1 LEASE Preisser Farms JOB TYPE Cmt 4 1/2 Casing TICKET NO. 30840

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	00:00							On location w/ trucks & 300 SKS SMD Cement.
								Rig Running 4 1/2" Casing
								Running Drill pipe
								4 1/2" x 11.6 # Casing
	0730							Set up trucks
	0815							Hook up to Swift to take on mud.
	0830							Start taking on Mud
	0845	2					300	Start Pumping Mud
		3	10				500	Increase Rate
	0910	1/2	66				3100	Land 1st Ball.
	0915	2					300	Pump 2nd Ball.
	0930	2	22 1/2				2500	Land 2nd Ball.
	0935	3	10				300	Pump off Excess Mud, Washout tank.
	0945							Start Mixing Flushes
	0955	3					300	Pump Mud Flush.
	1000	3	12				300	Pump KCl spacer
	1005	4	20				300	Finish spacer.
	1010	3 1/2					400	Start 250 SKS SMD Cmt Mix @ 13 #
	1030	4	85				Vac	Finish Cmt, start in
	1035	3	5					Washout Pump Lines
	1040							Drop Plug, Open Valve to Displace.
	1045	4					200	Start Displacement
	1050	4	18				1000	Catch Cement
		3	25				600	Slow Rate
		3	35				2300	Hit 1st Plug.
		4	36				900	Continue Displacement
		3	73				800	Slow Rate
	1100	3	83				1000	Lift Pressure 1000/Land 2000psi
	1103							Release, Dry.
	1105	4					600	Start Reverse Out
	1145	4	150				450	Fin Reverse Out
	1150						1500	Pressure up well
	1200						0	Release, Dry.
	1205							Washup truck, Rack up
	1220							Job Complete Thanks, Jon, Wayne, Austin, Isaac

SWIFT



P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300



Invoice

DATE	INVOICE #
12/17/2017	30883

BILL TO
Palomino Petroleum Inc. 4924 S E 84th Street Newton, KS 67114-8827

RECEIVED

DEC 21 2017

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Preisser Farms	Reno	WW Drilling Rig ...	Oil	Development	Long String top t...	David E.
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				70	Miles	5.00	350.00
579D	Pump Charge - Two-Stage & Top To Bottom LongString				1	Job	1,700.00	1,700.00
290	D-Air				5	Gallon(s)	42.00	210.00T
221	Liquid KCL (Clayfix)				2	Gallon(s)	25.00	50.00T
281	Mud Flush				500	Gallon(s)	1.25	625.00T
400-8	Float Shoe				1		500.00	500.00T
406-4	Latch Down & Baffle				1	Each	400.00	400.00T
403-4	Cement Basket				3	Each	300.00	900.00T
402-4	Centralizer				11	Each	95.00	1,045.00T
580	Additional Hours (If Circulate More Than 1 Hour)				5	Hours	200.00	1,000.00T
330	Swift Multi-Density Standard (MIDCON II)				600	Sacks	15.75	9,450.00T
276	Flocele				150	Lb(s)	2.25	337.50T
581D	Service Charge Cement				600	Sacks	1.50	900.00
583D	Drayage				2,092	Ton Miles	0.75	1,569.00
299	Miscellaneous Additives				50		1.00	50.00
	Subtotal							19,086.50
	Sales Tax Reno County						8.00%	1,161.40

We Appreciate Your Business!

Total

\$20,247.90



Services, Inc.

CHARGE TO:
Pawwino Petroleum
ADDRESS

CITY, STATE, ZIP CODE

TICKET 30883

PAGE 1 OF

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. <i>Hays Ks</i>	# 1	<i>Poisser Farms</i>	<i>Reno</i>	<i>Ks</i>		<i>12-17-17</i>	
2. <i>Ness City Ks</i>	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <i>NU Drilling</i>	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
3.	WELL TYPE <i>Dis</i>	WELL CATEGORY <i>development</i>	JOB PURPOSE <i>long string - top to bottom</i>	<i>or</i>	<i>location</i>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS					WELL PERMIT NO.	WELL LOCATION

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
<i>575</i>					<i>111</i>	<i>90</i>	<i>mi</i>				<i>5.00</i>	<i>350.00</i>
<i>579</i>					<i>Pump Charge - Top to Bottom</i>	<i>1</i>	<i>EA</i>				<i>1700.00</i>	<i>1700.00</i>
<i>290</i>					<i>D-Air</i>	<i>5</i>	<i>GM</i>				<i>42.00</i>	<i>210.00</i>
<i>221</i>					<i>Liquid Mac</i>	<i>2</i>	<i>GM</i>				<i>25.00</i>	<i>50.00</i>
<i>281</i>					<i>Mudflask</i>	<i>STD</i>	<i>EA</i>				<i>1.25</i>	<i>6.25.00</i>
					<i>Flour Share</i>	<i>1</i>	<i>EA</i>				<i>500.00</i>	<i>500.00</i>
					<i>Latch Down Plug & Bracket</i>	<i>1</i>	<i>EA</i>				<i>400.00</i>	<i>400.00</i>
					<i>Cement Bucket</i>	<i>3</i>	<i>EA</i>				<i>300.00</i>	<i>900.00</i>
					<i>Centralizers</i>	<i>11</i>	<i>EA</i>				<i>95.00</i>	<i>1045.00</i>
					<i>Misc Additives (Sugar)</i>	<i>SD</i>	<i>lbs</i>				<i>1.00</i>	<i>50.00</i>
					<i>Additional Hours</i>	<i>5</i>	<i>hr</i>				<i>200.00</i>	<i>1000.00</i>

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED: _____ TIME SIGNED: _____

SWIFT OPERATOR: *David Edgerton* APPROVAL: *[Signature]*

REMIT PAYMENT TO:
SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UN-DECIDED	DIS-AGREE
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	

CUSTOMER DID NOT WISH TO RESPOND

TOTAL: *20849.90*

Thank You!



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 30883

CUSTOMER: *Armino Petroleum* WEST: *Polisser Farms #1* DATE: *12-13-12* PAGES: *2* OF: *2*

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY				UNIT PRICE	AMOUNT		
		LOC	ACCT	DF			QTY	U/M	QTY	U/M				
330		2				Swift Milk Density	600	SKS			15	75	9150	00
276		2				Foreale	150	lbs			2	25	337	50
581		2												
583		2												

SERVICE CHARGE: *Cement* CUBIC FEET: *600 SKS* UNIT PRICE: *150* AMOUNT: *9000* 00
 MILEAGE CHARGE: *597.84* TON MILES: *2092* UNIT PRICE: *75* AMOUNT: *1569* 00
 LOADED TONS: *70*

CONTINUATION TOTAL: *12256 50*

JOB LOG

SWIFT Services, Inc.

DATE

12-17-17

PAGE NO.

CUSTOMER

Rafaelino Petrokem

WELL NO.

#1

LEASE

Petisser Farms

JOB TYPE

Top to Bottom

TICKET NO.

30883

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	15:30							On location
								Csg 17" x 26 #
								RTO - 4273
								Pipe - 4266.39
								baffle - 4227.45
								shoe - 38.94
								Centralizers - 1, 33, 37, 41, 45, 49
								53, 57, 61, 65, 69
								Baskets - 80, 89, 98
	1750							Start Running Csg
	2330							Break Circulation on Bottom
	2405							End Circulating
	2410	5	12			400		Pump MudMush - 500 Gal
		5	20			400		pump 1/2" spacer
		6.5	0			500		Start Cut - 215 sks @ 11.2 ppg
		6.5	119			400		Raise Weight to 11.8 ppg - 150 sks
		4.5	190			150		Raise Weight to 12.5 ppg - 60 sks
		4.5	213			100		Raise Weight to 13.5 ppg 85 sks
		4.5	239			100		Raise Weight to 14.5 ppg 90 sks
	105	4.5	262			0		End Cut
								Drop plug - wash P/L
	110	6.5	0			100		Start Disp
		5	90			800		Circulate Cut to Surface - 125 sks
	205	4	161.4			1200		land plug - 1100 psi - 1200 psi
								land psi - 1800 psi
	210							Release psi - Dry
	215							wash truck
								Top Complete
								Thanks
								David, Zach, Kirby, Preston & Wayne



P. O. Box 466
 Ness City, KS 67560
 Off: 785-798-2300



Invoice

DATE	INVOICE #
12/10/2017	30831

BILL TO
Palomino Petroleum Inc. 4924 S E 84th Street Newton, KS 67114-8827

RECEIVED

DEC 15 2017

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Preisser Farms	Reno	WW Drilling Rig ...	Oil	Development	Cement Surface ...	Jonathan

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	70	Miles	5.00	350.00
576D-S	Pump Charge - Shallow Surface (< 500 Ft.)	1	Job	800.00	800.00
290	D-Air	3	Gallon(s)	42.00	126.00T
325	Standard Cement	150	Sacks	12.25	1,837.50T
279	Bentonite Gel	3	Sack(s)	25.00	75.00T
278	Calcium Chloride	7	Sack(s)	40.00	280.00T
581D	Service Charge Cement	150	Sacks	1.50	225.00
583D	Drayage	516.25	Ton Miles	0.75	387.19
	Subtotal				4,080.69
	Sales Tax Reno County			8.00%	185.48

We Appreciate Your Business!	Total	\$4,266.17
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Services, Inc.

CHARGE TO: Palomina Petroleum, Inc
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET 30831

PAGE 1 OF 1

SERVICE LOCATIONS	WELL/PROJECT NO	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. Hwy 5, KS	#1	Prisler Farms	Reed	KS		12/10/17	
2. Ness City, KS		W W Drilling Co	#14	CT	Location	ORDER NO.	
3.		WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION	
4.		Development		Emt Surface Casings			
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE #113	70	mi			5.00	350.00
5765		1			Pump Charge - Shallow Surface	1	EA			800.00	800.00
290		1			D-Air	3	gal			42.00	126.00
325		2			Standard Cement	150	SKS	14100	165	12.25	1837.50
279		2			Bentonite gel (20%)	3	SKS	300	165	25.00	75.00
278		2			Calcium Chloride (30%)	7	SKS	350	165	40.00	280.00
81		2			Service Charge Cement	150	SKS	141750	165	1.50	225.00
583		2			Drayage	70	mi	510.25	70	0.75	387.19

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY,** and **LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED: [Signature] TIME SIGNED: A.M. P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY
 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? WE UNDERSTOOD AND MET YOUR NEEDS?
 OUR SERVICE WAS PERFORMED WITHOUT DELAY? WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
 ARE YOU SATISFIED WITH OUR SERVICE?

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 4080.00

TOTAL: 4266.17

SWIFT OPERATOR: [Signature] APPROVAL: [Signature]

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 12/10/17 PAGE NO. 1

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
Palomino Petroleum		#1		Preisser Farms		Cmt Surface		30831	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	1630								On location, Rig waiting on Welder
									12 1/4" Hole 9 5/8" x .36" Casing
	1750								Start Casing w/Casing Crew.
	1810								Fin Running Casing
	1835								Start Circ of Chain Down
	1840								Fin Circ. Hook up to Swift.
	1905	3	5				100		Start Water ahead
	1910	3							Start 150 SKS, std cmt, 2% gel, 3% CC
	1915	3 3/4	36						Fin Cmt, Start Displacement
	1920	3 3/4	18 1/2						Fin Displ
									Close in
	1925								Release truck
									Wash up truck & Rack up
	1950								Job Complete
									Thanks, Jon, Austin & Russell

Job Log

Palomino - Preisser Farms

Stage	Start	End	Load (lbs)	Acid (lbs)	Slickwater (lbs)	Linear Gal (lbs)	X-Lock (lbs)	Mingent Total (scf)	20/40 (lbs)	Avg Rate (lb/hr)	Max Rate (lb/hr)	Max Rate (lb/hr)	Avg PSI	Max PSI	Open (psi)	Breakdown (psi)	ISP	F.G. (psi/ft)	Pump Down
Totals			14,846	10,798	2,647	1,169	1,169	7,943,000	852,488	52	62	62	2,773	3,270	3,270	3,548	3,548	624	
1	1/22/18 4:37 PM	1/22/18 5:36 PM	1,614	24	260	1,330	1,330	951,000	94,746	52	61	61	3,426	4,547	vac	2,982	1,060	0.702	271
2	1/22/18 5:09 PM	1/22/18 10:13 PM	1,657	24	268	1,135	1,135	849,000	94,778	45	64	64	2,457	3,009	vac	1,710	894	0.660	95
3	1/22/18 11:50 PM	1/23/18 12:48 AM	1,647	24	245	1,229	1,229	918,000	94,827	50	64	64	2,718	3,384	vac	3,027	1,387	0.785	100
4	1/23/18 2:39 AM	1/23/18 3:36 AM	1,569	24	247	1,157	1,157	866,000	95,326	48	62	62	2,689	3,264	383	3,149	1,616	0.843	46
5	1/23/18 5:22 AM	1/23/18 6:25 AM	1,631	24	265	1,200	1,200	892,000	94,597	51	68	68	2,567	2,918	577	2,345	1,660	0.854	89
6	1/23/18 10:39 AM	1/23/18 11:41 AM	1,629	24	261	1,210	1,210	879,000	95,283	58	71	71	2,637	2,898	542	2,151	1,732	0.872	
7	1/23/18 2:18 AM	1/23/18 3:18 AM	1,650	24	263	1,145	1,145	890,000	95,532	60	60	60	2,764	2,921	601	1,523	2,071	0.958	
8	1/23/18 4:45 AM	1/23/18 5:44 AM	1,619	24	264	1,191	1,191	888,000	95,456	60	60	60	2,826	2,915	918	2,020	1,835	0.898	23
9	1/23/18 7:02 PM	1/23/18 11:21 PM	1,830	17	574	1,128	1,128	810,000	91,943	46	51	51	2,871	3,571	901	1,569	2,943	1.179	

Job Log

Palomino #1 Preisser Farms Survey MWD + Vertical Gap to 7191' MD TD Survey Geodetic Report (Def Survey)

Report Date: January 09, 2018 - 08:33 AM Client: Palomino Petroleum Field: Reno County, KS (NAD27, Southern Zone) Structure / Slot: Palomino #1 Preisser Farms / Palomino #1 Preisser Farms Well: Palomino #1 Preisser Farms Borehole: Original Borehole UWI / API#: Unknown / Unknown Survey Name: Palomino #1 Preisser Farms Survey MWD + Vertical Gap to 7191' MD TD Survey Date: December 08, 2017 Tort / AHD / DDI / ERO Ratio: 137.477' / 3554.083 II / 5.951 / 0.903 Coordinate Reference System: NAD27 Kansas State Plane, Southern Zone, US Feet Location Lat / Long: N 37° 52' 3.30179", W 98° 22' 54.65941" Location Grid N/E Y/X: N 437292.150 I/US, E 2034106.380 I/US CRS Grid Convergence Angle: 0.0726 ° Grid Scale Factor: 0.9999363 Version / Patch: 2.10.683.0	Survey / DLS Computation: Minimum Curvature / Lubinski Vertical Section Azimuth: 179.590 ° (Grid North) Vertical Section Origin: 0.000 ft, 0.000 ft TVD Reference Datum: RKB TVD Reference Elevation: 1747.070 ft above Unknown Seabed / Ground Elevation: 1732.070 ft above Unknown Magnetic Declination: 3.956 ° Total Gravity Field Strength: 999.1254mgN (9.80665 Based) Gravity Model: GARM Total Magnetic Field Strength: 51578.180 nT Magnetic Dip Angle: 65.680 ° Declination Date: December 08, 2017 Magnetic Declination Model: HDGM 2017 North Reference: Grid North Grid Convergence Used: 0.0726 ° Total Corr Mag North->Grid North: 3.8835 ° Local Coord Referenced To: Structure Reference Point	
--	---	--

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
SHL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	437292.15	2034106.38	N 37 52 3.30 W	98 22 54.66
	298.00	0.30	340.35	298.00	-0.74	0.73	-0.26	0.10	437292.86	2034106.12	N 37 52 3.31 W	98 22 54.66
	425.00	0.30	266.12	425.00	-1.63	1.03	-0.71	0.29	437293.16	2034105.67	N 37 52 3.31 W	98 22 54.67
	552.00	0.16	243.99	552.00	-0.93	0.93	-1.20	0.13	437293.08	2034105.18	N 37 52 3.31 W	98 22 54.67
	679.00	0.28	190.32	679.00	-0.55	0.54	-1.41	0.18	437292.69	2034104.97	N 37 52 3.31 W	98 22 54.68
	806.00	0.68	206.30	805.99	0.43	-0.44	-1.80	0.33	437291.71	2034104.58	N 37 52 3.30 W	98 22 54.68
	933.00	0.62	215.01	932.98	1.66	-1.68	-2.53	0.09	437290.47	2034103.85	N 37 52 3.29 W	98 22 54.69
	1050.00	0.30	251.39	1059.98	2.32	-2.35	-3.24	0.33	437289.80	2034103.14	N 37 52 3.28 W	98 22 54.70
	1187.00	0.56	222.07	1186.98	2.88	-2.91	-3.97	0.26	437289.24	2034102.41	N 37 52 3.27 W	98 22 54.71
	1308.00	0.50	253.78	1307.97	3.46	-3.50	-4.87	0.24	437288.65	2034101.51	N 37 52 3.27 W	98 22 54.72
	1427.00	0.89	239.24	1426.96	4.07	-4.12	-6.17	0.36	437288.03	2034100.21	N 37 52 3.26 W	98 22 54.74
	1546.00	0.64	243.42	1545.95	4.83	-4.89	-7.55	0.22	437287.26	2034098.83	N 37 52 3.25 W	98 22 54.75
	1576.00	0.69	248.62	1575.95	4.97	-5.03	-7.87	0.26	437287.12	2034098.51	N 37 52 3.25 W	98 22 54.76
	3236.00	0.33	300.95	3235.89	6.08	-6.23	-21.27	0.03	437285.92	2034095.11	N 37 52 3.24 W	98 22 54.92
	3267.00	0.08	128.85	3266.89	6.04	-6.20	-21.33	1.32	437285.95	2034095.05	N 37 52 3.24 W	98 22 54.93
	3299.00	1.05	217.14	3298.89	6.29	-6.44	-21.49	3.28	437285.71	2034094.89	N 37 52 3.24 W	98 22 54.93
	3331.00	3.91	199.67	3330.85	7.55	-7.71	-22.04	9.14	437284.44	2034094.35	N 37 52 3.23 W	98 22 54.93
	3363.00	6.13	191.05	3362.73	10.25	-10.41	-22.73	7.31	437281.74	2034093.65	N 37 52 3.20 W	98 22 54.94
	3394.00	8.23	186.33	3393.48	14.07	-14.24	-23.29	7.03	437277.91	2034093.09	N 37 52 3.16 W	98 22 54.95
	3426.00	10.40	183.46	3425.06	19.23	-19.40	-23.72	6.93	437272.75	2034092.66	N 37 52 3.11 W	98 22 54.96
	3459.00	12.81	181.34	3456.40	25.66	-25.83	-23.98	7.65	437266.32	2034092.40	N 37 52 3.05 W	98 22 54.96
	3490.00	15.70	180.65	3487.42	33.54	-33.71	-24.11	9.05	437258.44	2034092.27	N 37 52 2.97 W	98 22 54.96
	3521.00	19.23	180.35	3516.98	42.84	-43.01	-24.19	11.39	437249.14	2034092.19	N 37 52 2.88 W	98 22 54.96
	3553.00	22.70	179.99	3546.86	54.28	-54.46	-24.22	10.85	437237.70	2034092.16	N 37 52 2.76 W	98 22 54.96
	3585.00	26.52	179.04	3575.95	67.61	-67.78	-24.10	12.00	437224.37	2034092.28	N 37 52 2.63 W	98 22 54.96
	3616.00	30.48	178.38	3603.18	82.39	-82.57	-23.76	12.81	437209.59	2034092.62	N 37 52 2.49 W	98 22 54.96
	3648.00	34.05	177.70	3630.24	99.47	-99.64	-23.17	11.21	437192.52	2034093.21	N 37 52 2.32 W	98 22 54.95
	3680.00	36.85	177.60	3656.30	118.01	-118.18	-22.41	8.75	437173.98	2034093.97	N 37 52 2.13 W	98 22 54.94
	3711.00	39.56	178.84	3680.66	137.18	-137.34	-21.82	9.08	437154.82	2034094.56	N 37 52 1.94 W	98 22 54.93
	3743.00	42.40	179.65	3704.82	158.16	-158.32	-21.55	9.03	437133.84	2034094.83	N 37 52 1.74 W	98 22 54.93
	3775.00	44.93	179.90	3727.96	180.25	-180.41	-21.46	7.92	437111.75	2034094.92	N 37 52 1.52 W	98 22 54.93
	3806.00	46.71	180.89	3749.57	202.48	-202.64	-21.62	6.18	437089.52	2034094.76	N 37 52 1.30 W	98 22 54.93
	3838.00	48.82	180.61	3771.08	226.17	-226.33	-21.93	6.63	437065.83	2034094.45	N 37 52 1.06 W	98 22 54.94
	3870.00	50.98	179.97	3791.69	250.64	-250.81	-22.05	6.92	437041.36	2034094.33	N 37 52 0.82 W	98 22 54.94
	3901.00	53.19	179.09	3810.74	275.10	-275.26	-21.85	7.47	437016.91	2034094.54	N 37 52 0.58 W	98 22 54.94
	3933.00	55.15	178.03	3829.47	301.04	-301.19	-21.19	6.69	436990.98	2034095.19	N 37 52 0.32 W	98 22 54.93
	3965.00	57.56	178.40	3847.20	327.67	-327.82	-20.96	7.59	436964.35	2034096.02	N 37 52 0.06 W	98 22 54.92
	3996.00	59.07	180.23	3863.48	354.04	-354.19	-20.05	7.00	436937.18	2034096.33	N 37 51 59.80 W	98 22 54.92
	4028.00	61.91	181.36	3879.24	381.88	-382.04	-20.44	9.39	436910.14	2034095.94	N 37 51 59.53 W	98 22 54.92
	4060.00	65.34	180.56	3893.45	410.54	-410.70	-20.92	10.95	436881.48	2034095.46	N 37 51 59.24 W	98 22 54.93
	4091.00	68.91	180.28	3905.50	439.09	-439.25	-21.13	11.55	436852.93	2034095.25	N 37 51 58.96 W	98 22 54.93
	4123.00	72.90	179.26	3915.97	469.32	-469.49	-21.00	12.83	436822.69	2034095.38	N 37 51 58.66 W	98 22 54.93
	4155.00	77.31	178.70	3924.19	500.24	-500.40	-20.45	13.88	436791.78	2034095.93	N 37 51 58.36 W	98 22 54.92
	4187.00	81.60	178.73	3930.05	531.69	-531.84	-19.74	13.41	436760.34	2034096.64	N 37 51 58.04 W	98 22 54.91
	4218.00	85.33	179.52	3933.57	562.48	-562.63	-19.28	12.30	436729.56	2034097.11	N 37 51 57.74 W	98 22 54.91
	4314.00	90.11	180.05	3937.39	598.37	-598.53	-18.92	5.01	436693.67	2034097.47	N 37 51 57.74 W	98 22 54.91
	4409.00	89.61	178.46	3937.63	753.37	-753.53	-18.51	0.91	436659.67	2034097.87	N 37 51 55.85 W	98 22 54.90
	4504.00	91.85	178.62	3936.41	848.35	-848.50	-16.92	2.52	436443.71	2034099.46	N 37 51 54.91 W	98 22 54.88
	4600.00	90.95	177.91	3934.07	944.30	-944.42	-14.01	1.19	436347.79	2034092.37	N 37 51 53.97 W	98 22 54.85
	4696.00	90.39	177.74	3932.95	1040.25	-1040.35	-10.37	0.61	436251.87	2034095.01	N 37 51 53.02 W	98 22 54.81
	4791.00	91.29	175.88	3931.55	1135.12	-1135.16	-5.08	2.17	436157.04	2034101.30	N 37 51 52.08 W	98 22 54.74
	4886.00	91.74	176.12	3929.04	1229.90	-1229.92	1.54	0.54	436062.31	2034107.92	N 37 51 51.14 W	98 22 54.66
	4981.00	91.79	177.64	3926.12	1324.74	-1324.73	6.71	1.60	435967.51	2034113.09	N 37 51 50.21 W	98 22 54.60
	5076.00	91.63	178.38	3923.28	1419.67	-1419.63	10.01	0.80	435872.61	2034116.38	N 37 51 49.27 W	98 22 54.56
	5171.00	90.45	179.25	3921.56	1514.64	-1514.59	11.97	1.54	435777.66	2034118.35	N 37 51 48.33 W	98 22 54.53
	5267.00	91.46	179.15	3919.96	1610.62	-1610.57	13.31	1.06	435681.69	2034119.69	N 37 51 47.38 W	98 22 54.52
	5361.00	89.66	179.75	3919.04	1704.61	-1704.55	14.21	2.02	435587.71	2034120.59	N 37 51 46.45 W	98 22 54.51
	5456.00	90.45	179.01	3918.95	1799.61	-1799.55	15.24	1.14	435492.72	2034121.62	N 37 51 45.51 W	98 22 54.50
	5551.00	90.73	179.36	3917.97	1894.60	-1894.53	16.59	0.47	435397.74	2034122.97	N 37 51 44.57 W	98 22 54.48
	5646.00	90.00	179.20	3917.36	1989.60	-1989.52	17.78	0.79	435302.76	2034124.16	N 37 51 43.63 W	98 22 54.47
	5741.00	88.76	179.80	3918.39	2084.59	-2084.51	18.61	1.45	435207.78	2034124.99	N 37 51 42.69 W	98 22 54.46
	5836.00	88.89	180.09	3919.51	2179.58	-2179.50	18.71	1.23	435112.79	2034125.08	N 37 51 41.75 W	98 22 54.46
	5932.00	90.56	180.53	3919.13	2275.57	-2275.50	18.19	0.83	435016.80	2034124.56	N 37 51 40.81 W	98 22 54.47
	6027.00	91.18	181.57	3917.69	2370.59	-2370.47	16.45	1.27	434921.83	2034122.82	N 37 51 39.87 W	98 22 54.49
	6122.00	89.78	182.78	3916.90	2465.42	-2465.40	12.84	1.95	434826.92	2034119.22	N 37 51 38	

Comments	MD (ft)	Incl (°)	Azlm Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (*/100ft)	Northng (ftUS)	Eastng (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
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Survey Type: Def Survey

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma
 Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EDU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	15.000	Act Stns	12.250	9.625	ZERO	Original Borehole / Palomino #1 Preisser Farms Survey MWD + Vertical Gap to 7191' MD ID
	1	15.000	257.000	Act Stns	12.250	9.625	NAL_MWD_1.0_DEG	Original Borehole / Palomino #1 Preisser Farms Survey MWD +
	1	257.000	1576.000	Act Stns	8.750	7.000	NAL_MWD_1.0_DEG	Original Borehole / Palomino #1 Preisser Farms Survey MWD +
	1	1576.000	3236.000	1/98.425	8.750	7.000	NAL_VERTICAL_GAP	Original Borehole / Palomino #1 Preisser Farms Survey MWD +
	1	3236.000	4273.000	Act Stns	8.750	7.000	NAL_MWD_1.0_DEG	Original Borehole / Palomino #1 Preisser Farms Survey MWD +
	1	4273.000	7191.000	Act Stns	6.125	4.500	NAL_MWD_1.0_DEG	Original Borehole / Palomino #1 Preisser Farms Survey MWD +

PathFinder – a Schlumberger company Survey Report

PALOMINO PETROLEUM
PALOMINO #1 PREISSER FARMS
RENO COUNTY, KS
API#: 015-155-21750-0100 Rig: WW DRILLING LLC #14
PathFinder Office Supervisor:
PathFinder Field Engineers: C. ALEMAN

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:37°52' 3.3017 N LON:98° 22' 54.6594 W
GRID Reference:NAD83 kansas north Lambert
Ref GRID Coord: X: 2034106.3800 Y: 437292.1500
North Aligned To:GRID NORTH
Total Magnetic Correction: 3.88° EAST TO GRID
Vertical Section Plane: 179.59
Survey Vert. Reference: 15.00' Kelly Bushing To Ground
Altitude:1732.00' Ground To MSL

Survey Calculations by RX4 using Minimum Curvature

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL		Closure		DLS (dg/100ft)
						Rectangular (ft)	Offsets (ft)	Dist (ft)	Dir (deg)	
ORIGIN OF WELL AT SURFACE.										
0.00	0.00	0.00	0.00	0.00	-0.00	0.00	0.00	0.00@	0.00	0.00
THE FOLLOWING ARE SCHLUMBERGER MWD SURVEYS.										
298.00	0.30	340.35	298.00	298.00	-0.74	0.73 N	0.26 W	0.78@	340.35	0.10
425.00	0.30	266.12	425.00	127.00	-1.03	1.03 N	0.71 W	1.24@	325.46	0.28
552.00	0.16	243.99	552.00	127.00	-0.93	0.93 N	1.20 W	1.51@	307.70	0.13
679.00	0.28	190.32	679.00	127.00	-0.55	0.54 N	1.41 W	1.51@	291.00	0.18
806.00	0.68	206.30	805.99	127.00	0.43	0.44 S	1.80 W	1.85@	256.31	0.33
933.00	0.62	215.01	932.98	127.00	1.66	1.68 S	2.53 W	3.04@	236.45	0.09
1060.00	0.30	251.39	1059.98	127.00	2.32	2.35 S	3.24 W	4.00@	234.08	0.33
1187.00	0.56	222.07	1186.98	127.00	2.88	2.91 S	3.97 W	4.92@	233.73	0.26
1308.00	0.50	253.78	1307.97	121.00	3.46	3.50 S	4.87 W	6.00@	234.32	0.24
1427.00	0.89	239.24	1426.96	119.00	4.07	4.12 S	6.17 W	7.41@	236.27	0.36
1546.00	0.64	243.42	1545.95	119.00	4.83	4.89 S	7.55 W	9.00@	237.10	0.21
1576.00	0.69	248.52	1575.95	30.00	4.97	5.03 S	7.87 W	9.34@	237.43	0.26
3236.00	0.33	300.96	3235.89	1660.00	6.08	6.23 S	21.27 W	22.17@	253.68	0.03
3267.00	0.08	128.86	3266.89	31.00	6.04	6.20 S	21.33 W	22.21@	253.80	1.32
3299.00	1.05	217.14	3298.89	32.00	6.29	6.44 S	21.49 W	22.44@	253.31	3.28
3331.00	3.91	199.67	3330.85	32.00	7.55	7.71 S	22.04 W	23.34@	250.73	9.14
3363.00	6.13	191.05	3362.73	32.00	10.25	10.41 S	22.73 W	25.00@	245.39	7.31
3394.00	8.23	186.33	3393.48	31.00	14.07	14.24 S	23.29 W	27.30@	238.56	7.03
3426.00	10.40	183.46	3425.06	32.00	19.23	19.40 S	23.72 W	30.64@	230.72	6.93
3458.00	12.81	181.34	3456.40	32.00	25.66	25.83 S	23.98 W	35.24@	222.87	7.65
3490.00	15.70	180.65	3487.42	32.00	33.54	33.71 S	24.11 W	41.44@	215.57	9.05
3521.00	19.23	180.35	3516.98	31.00	42.84	43.01 S	24.19 W	49.35@	209.35	11.39
3553.00	22.70	179.99	3546.86	32.00	54.28	54.46 S	24.22 W	59.60@	203.98	10.85

PathFinder – a Schlumberger company Survey Report

PALOMINO PETROLEUM
 PALOMINO #1 PREISSER FARMS
 RENO COUNTY, KS
 API#: 015-155-21750-0100 Rig: WW DRILLING LLC #14

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Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
3585.00	26.52	179.04	3575.95	32.00	67.61	67.78 S	24.10 W	71.94@	199.57	12.00
3616.00	30.48	178.38	3603.18	31.00	82.39	82.67 S	23.76 W	85.92@	196.05	12.81
3648.00	34.05	177.70	3630.24	32.00	99.47	99.64 S	23.17 W	102.29@	193.09	11.21
3680.00	36.85	177.60	3656.30	32.00	118.01	118.18 S	22.41 W	120.28@	190.74	8.75
3711.00	39.56	178.84	3680.66	31.00	137.18	137.34 S	21.82 W	139.06@	189.03	9.08
3743.00	42.40	179.65	3704.82	32.00	158.16	158.32 S	21.55 W	159.78@	187.75	9.03
3775.00	44.93	179.90	3727.96	32.00	180.25	180.41 S	21.46 W	181.68@	186.78	7.93
3806.00	46.71	180.89	3749.57	31.00	202.48	202.64 S	21.62 W	203.79@	186.09	6.18
3838.00	48.82	180.61	3771.08	32.00	226.17	226.33 S	21.93 W	227.39@	185.53	6.63
3870.00	50.98	179.97	3791.69	32.00	250.64	250.81 S	22.05 W	251.77@	185.02	6.92
3901.00	53.19	179.09	3810.74	31.00	275.10	275.26 S	21.85 W	276.13@	184.54	7.47
3933.00	55.15	178.03	3829.47	32.00	301.04	301.19 S	21.19 W	301.94@	184.02	6.69
3965.00	57.56	178.40	3847.20	32.00	327.67	327.82 S	20.36 W	328.45@	183.55	7.59
3996.00	59.07	180.23	3863.48	31.00	354.04	354.19 S	20.05 W	354.76@	183.24	7.00
4028.00	61.91	181.36	3879.24	32.00	381.88	382.04 S	20.44 W	382.58@	183.06	9.39
4060.00	65.34	180.56	3893.45	32.00	410.54	410.70 S	20.92 W	411.23@	182.92	10.95
4091.00	68.91	180.28	3905.50	31.00	439.09	439.25 S	21.13 W	439.76@	182.75	11.55
4123.00	72.90	179.26	3915.97	32.00	469.32	469.49 S	21.00 W	469.96@	182.56	12.83
4155.00	77.31	178.70	3924.19	32.00	500.24	500.40 S	20.45 W	500.82@	182.34	13.89
4187.00	81.60	178.73	3930.05	32.00	531.69	531.84 S	19.74 W	532.21@	182.13	13.41
4218.00	85.33	179.52	3933.57	31.00	562.48	562.63 S	19.28 W	562.96@	181.96	12.30
4314.00	90.11	180.05	3937.39	96.00	658.37	658.53 S	18.92 W	658.80@	181.65	5.01
4409.00	89.61	179.46	3937.63	95.00	753.37	753.53 S	18.51 W	753.75@	181.41	0.81
4504.00	91.85	178.62	3936.41	95.00	848.35	848.50 S	16.92 W	848.67@	181.14	2.52
4600.00	90.95	177.91	3934.07	96.00	944.30	944.42 S	14.01 W	944.53@	180.85	1.19
4696.00	90.39	177.74	3932.95	96.00	1040.25	1040.35 S	10.37 W	1040.40@	180.57	0.61
4791.00	91.29	175.88	3931.55	95.00	1135.12	1135.18 S	5.08 W	1135.20@	180.26	2.17
4886.00	91.74	176.12	3929.04	95.00	1229.90	1229.92 S	1.54 E	1229.92@	179.93	0.54

PathFinder – a Schlumberger company Survey Report

PALOMINO PETROLEUM
 PALOMINO #1 PREISSER FARMS
 RENO COUNTY, KS
 API#: 015-155-21750-0100 Rig: WW DRILLING LLC #14

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Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL		Closure		DLS (dg/100ft)
						Rectangular (ft)	Offsets (ft)	Dist (ft)	Dir (deg)	
4981.00	91.79	177.64	3926.12	95.00	1324.74	1324.73 S	6.71 E	1324.75@	179.71	1.60
5076.00	91.63	178.38	3923.28	95.00	1419.67	1419.63 S	10.01 E	1419.67@	179.60	0.80
5171.00	90.45	179.25	3921.56	95.00	1514.64	1514.59 S	11.97 E	1514.64@	179.55	1.54
5267.00	91.46	179.15	3919.96	96.00	1610.62	1610.57 S	13.31 E	1610.62@	179.53	1.06
5361.00	89.66	179.75	3919.04	94.00	1704.61	1704.56 S	14.21 E	1704.61@	179.52	2.02
5456.00	90.45	179.01	3918.95	95.00	1799.61	1799.55 S	15.24 E	1799.61@	179.51	1.14
5551.00	90.73	179.36	3917.97	95.00	1894.60	1894.53 S	16.59 E	1894.61@	179.50	0.47
5646.00	90.00	179.20	3917.36	95.00	1989.60	1989.52 S	17.78 E	1989.60@	179.49	0.79
5741.00	88.76	179.80	3918.39	95.00	2084.59	2084.51 S	18.61 E	2084.59@	179.49	1.45
5836.00	89.89	180.09	3919.51	95.00	2179.58	2179.50 S	18.71 E	2179.58@	179.51	1.23
5932.00	90.56	180.53	3919.13	96.00	2275.57	2275.50 S	18.19 E	2275.57@	179.54	0.83
6027.00	91.18	181.57	3917.69	95.00	2370.53	2370.47 S	16.45 E	2370.53@	179.60	1.27
6122.00	89.78	182.78	3916.90	95.00	2465.42	2465.40 S	12.84 E	2465.43@	179.70	1.95
6154.00	89.61	182.32	3917.07	32.00	2497.38	2497.36 S	11.42 E	2497.39@	179.74	1.53
6217.00	88.60	181.09	3918.05	63.00	2560.33	2560.33 S	9.54 E	2560.34@	179.79	2.53
6310.00	89.10	180.32	3919.92	93.00	2653.29	2653.30 S	8.40 E	2653.31@	179.82	0.99
6406.00	90.90	179.30	3919.92	96.00	2749.29	2749.29 S	8.72 E	2749.31@	179.82	2.16
6501.00	88.60	180.72	3920.33	95.00	2844.27	2844.28 S	8.70 E	2844.30@	179.82	2.84
6596.00	89.38	180.24	3922.01	95.00	2939.25	2939.26 S	7.90 E	2939.28@	179.85	0.96
6692.00	92.02	180.19	3920.83	96.00	3035.22	3035.25 S	7.54 E	3035.26@	179.86	2.75
6787.00	89.72	180.24	3919.39	95.00	3130.20	3130.23 S	7.19 E	3130.24@	179.87	2.42
6882.00	91.01	179.96	3918.79	95.00	3225.19	3225.23 S	7.02 E	3225.23@	179.88	1.39
6976.00	92.41	179.36	3915.98	94.00	3319.15	3319.18 S	7.58 E	3319.19@	179.87	1.62
7071.00	93.87	179.63	3910.78	95.00	3414.00	3414.03 S	8.42 E	3414.04@	179.86	1.56
STRAIGHT LINE PROJECTION TO BIT DEPTH AT 7191'MD.										
7191.00	93.87	179.63	3902.68	120.00	3533.73	3533.76 S	9.19 E	3533.77@	179.85	0.00