

Kansas Corporation Commission Oil & Gas Conservation Division

1119533

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R
Address 2:	Feet from 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 #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	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: sx cmt
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Original Total Depth: Conv. to ENHR	Chloride content: ppm Fluid volume: bbls Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	QuarterSec TwpS. R East West
ENHR Permit #:	County: Permit #:
GSW Permit #:	
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	

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						
Letter of Confidentiality Received						
Date:						
Confidential Release Date:						
Wireline Log Received						
Geologist Report Received						
UIC Distribution						
ALT I II Approved by: Date:						

Side Two

1119533

Operator Name:				_ Lease N	lame:			Well #:		
Sec Twp	S. R	East	West	County:						
INSTRUCTIONS: Sh time tool open and clo recovery, and flow rate line Logs surveyed. A	osed, flowing and shu es if gas to surface te	t-in pressures, st, along with f	whether sh inal chart(s	nut-in press	ure reach	ed static level,	hydrostatic pres	ssures, bottom h	ole temp	erature, fluid
Drill Stem Tests Taker (Attach Additional S		Yes	No		Log	y Formation	n (Top), Depth a	nd Datum		Sample
Samples Sent to Geo	logical Survey	Yes	No		Name			Тор	I	Datum
Cores Taken Electric Log Run Electric Log Submitte (If no, Submit Copy	d Electronically	Yes Yes Yes	☐ No ☐ No ☐ No							
List All E. Logs Run:										
		Report all	CASING I		New	Used mediate, producti	on, etc.			
Purpose of String	Size Hole Drilled	Size Ca Set (In C	sing	Weigi Lbs. /	ht	Setting Depth	Type of Cement	# Sacks Used	, ,,	and Percent dditives
		AI	DDITIONAL	CEMENTIN	G / SQUE	EZE RECORD				
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Co	ement	# Sacks	Used		Type and	Percent Additives		
Shots Per Foot	PERFORATI Specify I	ON RECORD - Footage of Each	Bridge Plugs Interval Perfo	s Set/Type orated			cture, Shot, Cemei mount and Kind of N		d 	Depth
TUBING RECORD:	Size:	Set At:		Packer At:		Liner Run:				
Date of First, Resumed	Production, SWD or EN		ducing Meth	od:		as Lift C	Yes No	0		
Estimated Production Per 24 Hours	Oil	Bbls.		Mcf	Water		ols.	Gas-Oil Ratio		Gravity
DISPOSITIO	ON OF GAS:		M	IETHOD OF	COMPLET	ION:		PRODUCTIO	ON INTER	VAL:
Vented Sold	Used on Lease	Open	Hole Specify)	Perf.	Dually (nmingled mit ACO-4)			

Form	ACO1 - Well Completion
Operator	Phillips Exploration Company L.C.
Well Name	Daubert 1-20
Doc ID	1119533

Tops

Name	Тор	Datum		
Anhy	1189	+888		
Topeka	3098	-1021		
Heebner	3334	-1257		
Lansing	3391	-1314		
B/KC	3605	-1529		
Cong	3646	-1569		
No Arbuckle				
RTD	3775			



Prepared For: Phillips Exploration Co.

1601 Sagebrush Wichita KS 67230

ATTN: Kim Shoemaker

Daubert #1-20

20-17-16, Rush, KS

Start Date: 2012.07.01 @ 06:05:00 End Date: 2012.07.01 @ 13:26:00 Job Ticket #: 49265 DST #: 1

Trilobite Testing, Inc PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



Phillips Exploration Co.

20-17-16, Rush, KS

1601 Sagebrush Wichita KS 67230 Daubert #1-20

Job Ticket: 49265

DST#: 1

ATTN: Kim Shoemaker

Test Start: 2012.07.01 @ 06:05:00

GENERAL INFORMATION:

Formation: Topeka

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:04:30 Time Test Ended: 13:26:00

3080.00 ft (KB) To 3115.00 ft (KB) (TVD)

Total Depth: 3115.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair Hole Diameter:

Test Type: Conventional Bottom Hole (Initial)

Brett Dickinson

Unit No: 59

2077.00 ft (KB)

Reference Elevations:

2072.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8369

Interval:

Start Time:

Inside

Press@RunDepth: Start Date:

3081.00 ft (KB) 17.01 psig @ 2012.07.01 End Date:

End Time:

2012.07.01

Capacity: Last Calib.:

Tester:

8000.00 psig

13:25:59 Time On Btm:

2012.07.01 2012.07.01 @ 09:03:30

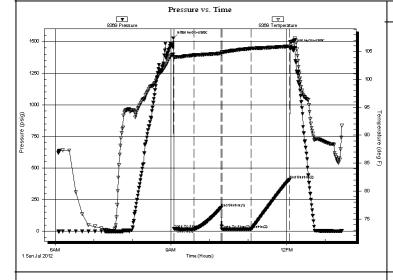
Time Off Btm:

2012.07.01 @ 12:06:30

TEST COMMENT: IF-3 1/4" blow

ISI-No blow FF-BOB in 33 min FSI-No blow

06:05:05



PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1525.99	104.48	Initial Hydro-static
1	20.55	103.92	Open To Flow (1)
32	17.41	104.35	Shut-In(1)
75	187.20	104.67	End Shut-In(1)
76	16.89	104.85	Open To Flow (2)
121	17.01	105.54	Shut-In(2)
181	410.18	105.94	End Shut-In(2)
183	1461.92	106.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud	0.14

Gas Rates

Choke (inches) Pressure (psig) Gas Rate (Mcf/d)

Trilobite Testing, Inc. Ref. No: 49265 Printed: 2012.07.12 @ 13:19:08



Phillips Exploration Co.

20-17-16, Rush, KS

1601 Sagebrush

Daubert #1-20

Wichita KS 67230

Job Ticket: 49265 DST#: 1

ATTN: Kim Shoemaker

Test Start: 2012.07.01 @ 06:05:00

GENERAL INFORMATION:

Formation: Topeka

Deviated: No Test Type: Conventional Bottom Hole (Initial) Whipstock: ft (KB)

Time Tool Opened: 09:04:30 Time Test Ended: 13:26:00

Unit No: 59

Tester:

Brett Dickinson

2077.00 ft (KB)

3080.00 ft (KB) To 3115.00 ft (KB) (TVD) 3115.00 ft (KB) (TVD)

Reference Elevations:

2072.00 ft (CF)

Total Depth:

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8319 Press@RunDepth:

Outside

psig @

3081.00 ft (KB)

Capacity: Last Calib.: 8000.00 psig

Start Date:

2012.07.01

End Date:

2012.07.01 13:25:29

Time On Btm:

2012.07.01

Start Time:

Interval:

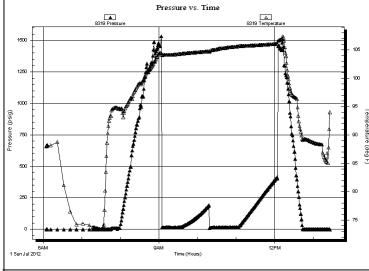
06:05:05

End Time:

Time Off Btm:

TEST COMMENT: IF-3 1/4" blow

ISI-No blow FF-BOB in 33 min FSI-No blow



PRESSURE SUMMARY

	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
d en				
nperat				
Temperature (deg F)				
eg F)				

Recovery

Description	Volume (bbl)
Mud	0.14
	· · · · · · · · · · · · · · · · · · ·

Gas Rates

Choke (inches) Pressure (psig) Gas Rate (Mcf/d)

Trilobite Testing, Inc. Ref. No: 49265 Printed: 2012.07.12 @ 13:19:08



TOOL DIAGRAM

Phillips Exploration Co.

20-17-16, Rush, KS

1601 Sagebrush Wichita KS 67230 Daubert #1-20

Job Ticket: 49265

DST#: 1

ATTN: Kim Shoemaker

Test Start: 2012.07.01 @ 06:05:00

Tool Information

Drill Pipe: Length: 3078.00 ft Diameter: 3.80 inches Volume: 43.18 bbl 2.70 inches Volume: 0.00 bbl Heavy Wt. Pipe: Length: 0.00 ft Diameter: Drill Collar: Length: 0.00 ft Diameter: 2.25 inches Volume: 0.00 bbl

Tool Weight: 2000.00 lb Weight set on Packer: 25000.00 lb Weight to Pull Loose: 50000.00 lb

Total Volume: 43.18 bbl

Tool Chased 0.00 ft String Weight: Initial 40000.00 lb

> Final 41000.00 lb

Drill Pipe Above KB: Depth to Top Packer: 3080.00 ft Depth to Bottom Packer: ft

Interval between Packers: 35.00 ft Tool Length: 58.00 ft

Number of Packers: 2 Diameter: 6.75 inches

21.00 ft

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3058.00		
Shut In Tool	5.00			3063.00		
Hydraulic tool	5.00			3068.00		
Safety Joint	2.00			3070.00		
Packer	5.00			3075.00	23.00	Bottom Of Top Packer
Packer	5.00			3080.00		
Stubb	1.00			3081.00		
Recorder	0.00	8369	Inside	3081.00		
Recorder	0.00	8319	Outside	3081.00		
Perforations	31.00			3112.00		
Bullnose	3.00			3115.00	35.00	Bottom Packers & Anchor

Total Tool Length: 58.00

Printed: 2012.07.12 @ 13:19:09 Trilobite Testing, Inc Ref. No: 49265



FLUID SUMMARY

DST#: 1

Phillips Exploration Co.

ATTN: Kim Shoemaker

20-17-16, Rush, KS

1601 Sagebrush

Daubert #1-20

Serial #:

Wichita KS 67230

Job Ticket: 49265

Test Start: 2012.07.01 @ 06:05:00

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil A Pl:deg A PlMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Mud Weight:9.00 lb/galCushion Length:ftViscosity:57.00 sec/qtCushion Volume:bbl

Water Loss: 7.59 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 2000.00 ppm Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud	0.140

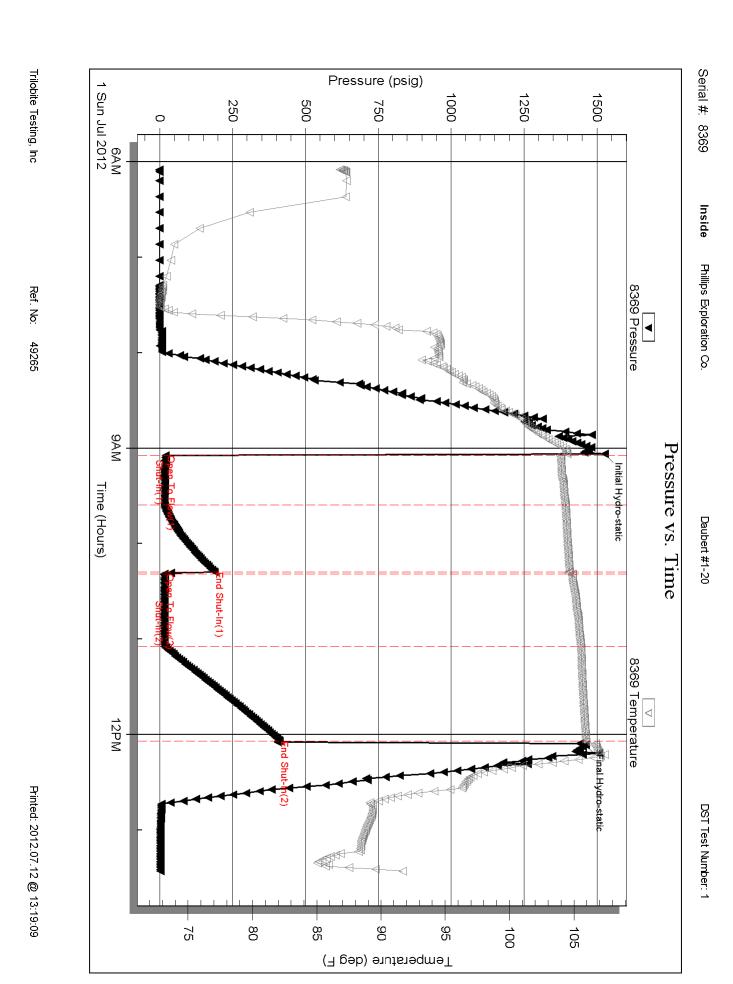
Total Length: 10.00 ft Total Volume: 0.140 bbl

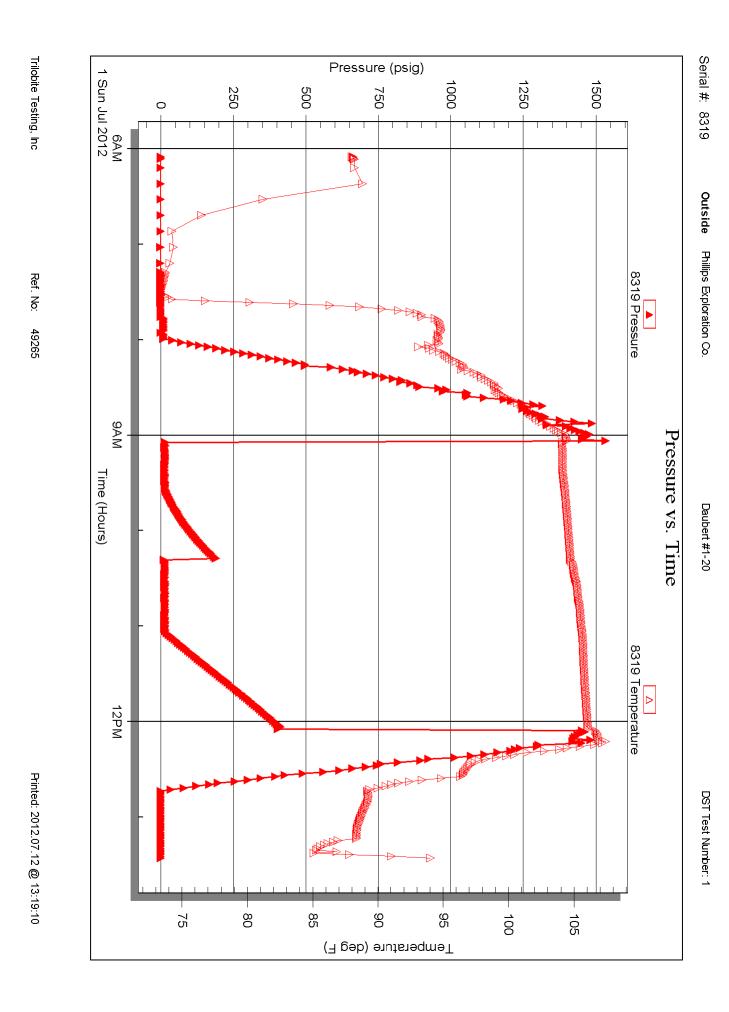
Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 49265 Printed: 2012.07.12 @ 13:19:09







RILOBITE ESTING INC.

Test Ticket

No. 49265

P.O. Box 1733 • Hays, Kansas 67601

4/10					
Well Name & No. Paubert 1-20	5)	Test No/		2077	
Company Phillips Expl. Co			//	KB_20/2	GL
Address 1601 Sagebrush h					· · · · · · · · · · · · · · · · · · ·
Co. Rep/Geo. tim Shoemaker					
Location: Sec. 20 Twp. 175	_ Rge / 6 m	Co. Rush		StateS	
Interval Tested 3080 - 3/15		Control of the Contro		0 7	
Anchor Length 35	Drill Pipe Run			d Wt <u>8 . 7</u>	
Top Packer Depth 3075	Drill Collars Run	-	Vis	57	
Bottom Packer Depth 3080	Wt. Pipe Run		WL	-	
Total Depth 31/3	Chlorides 200	ppm Sy	stem LC	M_ <i>O</i>	
Blow Description 7F- 3/4: blow	~				
157-Noblow					
FF - BOB in 33m	(~				
FSI - No blow					
Rec_10 Feet of Mad		%gas	%oil	%water	%mud
RecFeet of		%gas	%oil	%water	%mud
RecFeet of		%gas	%oil	%water	%mud
RecFeet of		%gas	%oil	%water	%mud
RecFeet of	•	%gas	%oil	%water	%mud
Rec Total	AF	PI RW@_	°F C	nlorides	ppm
(A) Initial Hydrostatic 1,526	Test1150		T-On Locat	ion 5:30	
(B) First Initial Flow 2 /	☐ Jars			6:05	
(C) First Final Flow	Safety Joint75		T-Open	9:00	
(D) Initial Shut-In	☐ Circ Sub	10	T-Pulled	12,00	
(E) Second Initial Flow l 7	☐ Hourly Standby		T-Out	13,25	
(F) Second Final Flow 1 7	Mileage	76rT 117.80	Comments	pick 4p70	
(G) Final Shut-In 410	□ Sampler	117.80	_//	27/12	11.00
(H) Final Hydrostatic 1, 462				33½.	0-5
				Shale Packer	
Initial Open	☐ Shale Packer			Packer	
Initial Shut-In 45	Extra Packer		☐ Extra C		
Final Flow 43	Day Standby 3		Sub Total _	4 (300.10	
Final Shut-In 60	7 \		Total 226		
i ina Silutini	Accessibility		MP/DST [Disc't	
A	Sub Total 1460.60	15	3.10	D. 1	-
Approved By	Our R	epresentative	Tun s	lan	



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

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner February 06, 2013

Sam Brownback, Governor

PHILLIPS EXPLORATION COMPANY L.C. 1601 SAGEBRUSH WICHITA, KS 67230-7010

RE: API Well No. 15-165-21975-00-00 DAUBERT 1-20 S2NE, 20-17S-16W RUSH County, Kansas

Dear Operator:

Upon review of the above referenced well, the following documentation appears to be incomplete pursuant to K.A.R. 82-3-107. The requested information below should be submitted to the KCC to my attention by February 22, 2013 for processing. Failure to submit the requested documentation may be punishable by an administrative penalty pursuant to the General Rules and Regulations for the State of Kansas.

 All drilling and completion information. No ACO-1 has been received as of this date. Must be notarized and signed. Must have the ORIGINAL HARD COPY of ACO-1. We do not accept fax copies. Must be put on new form and typed. API # or date when original well was first drilled. Contractor License #. Designate type of Well Completion. If Workover/Re-entry, need old well information, including original completion date. Spud date. (Month, Day, Year) Other: 	TD and Completion date. (Month, Day, Year) Must have Footages from nearest outside corner of section. Side two on back of ACO-1 must be completed. Must have final copies of DST's/Charts. All original complete open and cased hole wireline logs run. A copy of geological reports compiled by wellsite geologist. A copy of all cement job logs showing type, amounts and additives used to cement casing strings, squezze and/or to plug and abandon. (Note: Cement tickets must be from company providing the cement, not necessarily the contractor.) Any commingling information; File on the ACO-4 form. Anything HIGHLIGHTED on ACO-1.
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K.C.C. regulation 82-3-107 provides confidentiality, upon written request, for a period of one year from the date of such letter request. Confidentiality rights are waived if the ACO-1 remains incomplete, or is not timely filed (within 120 days from the well's spud date) including: electric logs, geologist's wellsite reports, driller's logs, and Kansas Geological Survey requested samples.

Do not hesitate to call the Kansas Corporation Commission, Conservation Division, at (316) 337-6200 if there are any questions. Note: If the intent is incorrect, you need to file a corrected intent.

Sincerely,

Production Department

QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Cell 785-324-1041 Home Office P.O. Box 32 Russell, KS 67665

Lease Taylor Well No. Down Contractor Devilling Contractor Contractor Devilling Contractor Con	Date (- 22-12	Sec. Twp.	Range	County	State Kan sak	On Location	Finish		
Contractor D Drilling Owner Type Job Drilling Ty		Well No	1.50	Location Call	P 71.)	5	Diani,		
Type Job Type J		2:11	(20)	0	The rest and associate	under identify a service servi	spine to may price ontract shall be a		
Hole Size Depth Jog Depth Jog Commenter and helper to assist owner or contractor to do work as listed. Charge Pull Size Depth Street City Strate Cement Left in Csg. Shoe Joint Meas Line Displace Common FULLY State Common Comm	DESCRIPTION OF THE AUDIT OF THE PROPERTY OF TH		To Quality	To Quality Oilwell Cementing, Inc.					
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Baskets AFU Inserts Float Shoe Latch Down Pumptrk Charge Long Surface Mileage 6 Tax Discount				Guide Sho	е		WEEKLING P		
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CEMENTING, INC.

4617 Home Office P.O. Box 32 Russell, KS 67665 Phone 785-483-2025 Cell 785-324-1041 Range On Location Finish County Well No. Exploratio Owner To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. T.D. Hole Size Depth Csg. Depth Tbg. Size Depth Tool City WI The above was done to satisfaction and supervision of owner agent or contractor Shoe Joint Cement Left in Csq. Cement Amount Ordered Displace Meas Line EQUIPMEN' Cementer Ma Common Helper Driver Poz. Mix Driver Gel. JOB SERVICES & REMARKS Calcium Hulls Remarks: Rat Hole Salt Mouse Hole Flowseal Centralizers Kol-Seal

Baskets Mud CLR 48 D/V or Port Collar CFL-117 or CD110 CAF 38 Sand Handling Mileage FLOAT EQUIPMENT Guide Shoe Centralizer Baskets AFU Inserts Float Shoe Latch Down Pumptrk Charge Mileage Tax Discount **Total Charge**