

July 5, 2023

To: OCD Engineering  
From: SOS Consulting  
Re: Packer Diagram & Specifications for Spur Energy Partners' SWDs...

Gentlemen,

All of Spur Energy's SWDs either have an Arrowset packer or when required to pull tubing on a well, the existing packers are usually replaced with the I-XS packer. For all of Spur's current C-108s under review, this is the packer that will be run.

**Applicable C-108s Currently Under Review**

Loco Hills 34 SWD #3	pJZT2204930380	SWD-2471
Loco Hills 35 SWD #2	pJZT2204758985	SWD-2470
Chase 21 SWD #1	pJZT2215941507	SWD-2484 <i>Permit Issued April 2023</i>
Big George State SWD No. 1	pJZT2218747480	SWD-2497 <i>Permit Issued April 2023</i>
M. Dodd B Deep Federal No. 2 SWD	pJZT2215943404	SWD-2485
M. Dodd A #47 SWD	pJZT2215949304	SWD-2486
Durango 15 State Com #1	pJZT2216555678	SWD-2489 <i>Permit Issued April 2023</i>
Delta Wing Fed SWD #1	pJZT2218639777	SWD-2491
Skelly Unit #905 SWD	pAZS2234749222	SWD-2514
Aikman SWD State #1	pAZS2235538545	SWD-2516

***Please Note: As of July 2023, the Aikman State #1 SWD is the most urgently needed permit to accommodate field operations – thank you.***

***Packer Diagram and specification for typical casing sizes follow...***



# Weatherford®

Packer Systems

## *Arrowset I-XS Mechanical Packer*

Weatherford's Arrowset I-XS mechanical packer is a versatile, field-proven retrievable double-grip packer for isolating the annulus from the production conduit. The packer can be set with tension or compression.

A patented upper-slip releasing system reduces the force required to release the packer. A nondirectional slip is released first, making it easier to release the other slips. The packer also has a straight-pull safety release.

### *Applications*

- Production
- Pumping
- Injection
- Fiberglass tubing
- Completions requiring periodic casing-integrity tests
- Zonal isolation

### *Features, Advantages and Benefits*

- The design holds differential pressure from above or below, enabling the packer to meet most production, stimulation, and injection needs.
- The packer can be set with compression or tension, enabling deployment in shallow and deep applications.
- The packer can be set and released with only a one-quarter turn of the tubing.
- The bypass valve is below the upper slips so that debris is washed from the slips when the valve is opened, reducing the times for circulation and total retrieval.
- The packer can be run with Weatherford's T-2 on-off tool, which enables the tubing to be disconnected and retrieved without retrieving the packer.




**Weatherford®**

Packer Systems

## Arrowset I-XS Mechanical Packer

### Specifications

Casing				Packer			
OD (in./mm)	Weight (lb/ft, kg/m)	Minimum ID (in./mm)	Maximum ID (in./mm)	Maximum OD (in./mm)	Minimum ID (in./mm)	Standard Thread Connection (in./mm)	Product Number
4-1/2 114.3	9.5 to 13.5 14.1 to 20.1	3.920 99.57	4.090 103.89	3.750 95.25	1.985 50.42	2-3/8 EUE 8 Rd	604-45
5-1/2 139.7	14.0 to 17.0 20.8 to 25.3	4.892 124.26	5.012 127.30	4.515 114.68	1.985 50.42	2-3/8 EUE 8 Rd	604-55
				4.625 117.48		2-7/8 EUE 8 Rd	604-56
	20.0 to 23.0 29.8 to 34.2	4.670 118.62	4.778 121.36	4.515 114.68		2-3/8 EUE 8 Rd	604-57
6-5/8 168.3	24.0 to 32.0 35.7 to 47.6	5.675 144.15	5.921 150.39	5.515 140.08	2.375 60.33	2-7/8 EUE 8 Rd	604-65
	17.0 to 24.0 25.3 to 35.7	5.921 150.39	6.135 155.83	5.750 146.00			604-68
7 177.8	17.0 to 26.0 25.7 to 39.3	6.276 159.41	6.538 166.07	5.515 140.08	2.375 60.33	2-7/8 EUE 8 Rd	604-72
				6.000 152.40			3.000 76.20

### Options

- Elastomer options are available for hostile environments.

For internal use

 Link to Endeca assembly part numbers: [Arrowset I-XS Mechanical Packer](#)

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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 426260

**CONDITIONS**

Operator: NEW MEXICO ENERGY MINERALS & NATURAL RESOURCE 1220 S St Francis Dr Santa Fe , NM 87504	OGRID: 264235
	Action Number: 426260
	Action Type: [IM-SD] Admin Order Support Doc (ENG) (IM-AAO)

**CONDITIONS**

Created By	Condition	Condition Date
pgoetze	None	1/29/2025