

ORIGINAL

7/30/01

Murfin Well Service on location. Rigged up D-D Derrick.
Eli on location to run Correlation and Sonic Cement Bond Log.
Found TTL Depth - 2601'
Found Top of Cement - Surface

Murfin swabbed casing from Surface to 2300'

Eli on location to perforate proposed intervals in Herington, Krider and Winfield utilizing 32 gram expandable casing gun.
Perforate Herington and Krider - 2496-2506'
Perforate Winfield - 2565-2570'

Murfin swab well down to TTL Depth.
½ Hour Natural Test (Herington, Krider and Winfield) recovered no fluid or gas.
Shut well in. Shut well down.

7/31/01

Murfin on location to check pressure on casing.
SICP - 50#
Murfin made swab run to TTL Depth recovered.
Acid Services on location to acidize all Herington, Krider and Winfield perforations with 2,000 gallons 15% regular acid with 45 ball sealers.

Acidize Herington, Krider and Winfield Perforations as Follows:

Pump 500 gallons 15% regular acid
Pump 1500 gallons 15% regular acid with 45 ball sealers spaced equally
Pressure to 600#, broke back slowly
Displace 500 gallons acid 6 BBLS per minute at 400#
Displace 1500 gallons acid 6 BBLS per minute at 400# - 2,000#
Balled off completely. Release pressure quickly.
Displace rest of acid 3 BBLS per minute at 180#
ISIP - 125#
TTL Load - 88 BBLS

Murfin rigged to swab test Herington, Krider and Winfield after Acid.

Swab Test Herington, Krider and Winfield Perforations as Follows:

Swab well down, recovered 42 BBLS, show of gas
1 Hour Swab Test - Recovered 150 BBLS fluid Show of gas
1 Hour Swab Test - Recovered no fluid Show of gas
1 Hour Swab Test - Recovered no fluid Show of gas
1 Hour Swab Test - Recovered no fluid Show of gas
Shut well in. Shut well down.

8/1/01

SICP - 75 LBS have 50' of fluid in hole
SBHP - Calculates 10%#
Blow well down. Swab Hole down.

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8/1/01 Continued

Acid Service and CUDD Pressure Control on location to fracture stimulate all Herington, Krider and Winfield perforations with 23,750 gallons 70% Nitrogen foam and 27,000# 12/20 Brady Sand, tailing with 4,000# resonated AC-FRAC Sand to minimize sand production.

Fracture Herington, Krider and Winfield Perforations as Follows:

- Pump 7,000 gals. 70% N2 Foam Pad, establish injection rate at 17 BPM - 1,000#
- Pump 4,000# 12/20 sand at 1 PPG (4,000 gals. N2O foam) at 17 BPM - 1,000#
- Pump 12,000# 12/20 sand at 2 PPG (6,000 gals. N2O foam) at 17 BPM - 950#
- Pump 11,000# 12/20 sand at 3 PPG (3,667 gals. N2 foam) at 17 BPM - 1,000#
- Pump 4,000# 12/20 AC-FRAC sand at 3 PPG (1,333 gals. N2 foam) at 17 BPM - 1,000#
- Flush sand to perforations with 1,750 gals. N2 foam at 17 BPM - 1,100#

ISIP - 930#

TTL Liquid Load to Recover - 203 BBLs

Shut well in. Shut well down.

8/2/01

SICP - 120#

Blew down to pit. Well kicked off flowing foam. Recovered approximately 10 BBLs. Well died.

Murfin rigged to swab casing to check sand fill-up.

Had 50' off fill-up. Start casing swabbing well making large amount of sand. Quit casing swab. Start sand pumping. Clean out sand to TTL Depth - 2598'. Swab casing down good. Show of natural gas.

Shut well in. Shut well down.

8/3/01

SICP - 120# Have 300' of fluid in hole

SBHP - 272 lbs. per square inch

Murfin swab casing down.

Test Herington, Krider and Winfield after Fracture

<u>1 Hour Test</u> -	Recovered 1.16 BBLs	Test gas at 168 MCF
<u>1 Hour Test</u> -	Recovered 1.16 BBLs	Test gas at 176 MCF
<u>1 Hour Test</u> -	Recovered 1.16 BBLs	Test gas at 182 MCF
<u>1 Hour Test</u> -	Recovered 1.16 BBLs	Test gas at 188 MCF
<u>1 Hour Test</u> -	Recovered 1.16 BBLs	Test gas at 182 MCF

Check sand fill. Had 10' off sand fill-up

Shut well in. Shut well down for weekend.

8/6/01

Murfin drilling on location to blow down casing rig to sand-pump. Clean out approximately 10' of sand from well-bore. Recovered ball sealers on last run.

Murfin Well Service rigged to run production tubing.

Ran Tubing as Follows:

Mud Anchor x 2 3/8	15.00'
Seating Nipple x 2 3/8	1.10'
82 JTS 2 3/8 Tubing	2563.17'
K.B. (9 < 3' above G.L.)	6.00'
Tubing set at	2585.27'
Seating Nipple set at	2570.27'
Tag TTL Depth at 2605', Land tubing 20' off bottom	

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8/7/01

Smith Supply on location with new 3/4" rods and bottom hole pump.

Ran Bottom Hole Pump and Rods as Follows:

2" x 1 1/2" x 12' RWTC with 6' gas anchor	14.00'
2' x 3/4" rod sub	2.00'
101-New 3/4" rods	2525.00'
8', 6' 4' 2' rod subs	20.00'
1 1/4" x 16' polished rod with 7' liner	16.00'
Pump set at	2570.00
Clamp rods off	
Murfin rigged down and moved off location.	

8/6/01 - 10/19/01

Gabel Lease Service on location, hooked up well head, ditched and laid approximately 1500' of 2" poly pipe Northwest to tee at lease Rd. Tie into line coming from Maddux 4-19. Tie both lines together. Send gas and water together from both wells down 2" poly line to separator at Eskelund #1 lease.

Set Surface Equipment as Follows:

National 40D Pumping Unit with 36" stroke
Transferred from OPIK Cain Lease
Used 100 BBL open top tank from Eskelund #1
Set 36" x 10' vertical separator (purchased from B&B Sales)

10/22/01

At this time we are waiting for Wheatland Electric to install electric services and P.S. Electric to run underground from Wheatland Services to well head.

End of Report
Tim Thomson

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