



Southland Royalty Company

San Juan 32-5 Unit Com 114 Rio Arriba County, NM

Mainbore TD - 4,773 ft MD

Sidetracks

- #1 Lower Lateral TD - 6,741 ft MD
- #2 Upper Lateral TD - 7,672 ft MD
- #3 Stuck BHA Lateral TD - 6,723 ft MD
- #4 Upper Lateral TD - 6,180 ft MD

12 1/4" to 207'

Surface Csg: 5jts 9 5/8" 32.3 lb/ft H-40

Setting Depth: 202 ft kb

Cement

125sx Class G (148 ft3)

Circulated 8 bbls to surface

8 3/4" hole to 4,773'

Intermediate Csg: 115 jts 7" 23#/ft J-55 LTC

Setting Depth: 4,763 ft

PBTD: 4,721 ft

Cement

Lead: 625sx 65/35 Type V

Tail: 125sx Type V (1434 ft³)

Circulated 80bbls to surface.

Sidetrack #1

Lower Coal Window: 4545' - 4553'

6 1/4" hole to 6741 ft MD

Prod Liner: 50 jts - 4.5" 11.6 lb/ft J-55

Pre-perf'd perfs: 4790'-6597'

6spf, 0.50", 10842 holes

Setting Depth: 6636 ft MD

Liner Top: 4556 ft MD (3' outside window)

Sidetrack #2

Upper Coal Window: 4384' - 4393'

6 1/4" hole to 7672 ft MD

Prod Liner: 77 jts - 4.5" 11.6 lb/ft J-55

Pre-perf'd perfs: 4527'-7608'

6spf, 0.50", 14142 holes

Setting Depth: 7651 ft MD

Liner Top: 4396 ft MD (3' outside window)

06/20/2017

CIBP set at 4500 ft MD

08/12/2017

Sidetrack #3

CBP 4,187 ft MD

Upper Coal Window: 4167' - 4175'

6 1/8" hole to 6,723 ft MD

While POOH stuck at 4,750 ft MD

Backed off DP

Fish LIH 4,212' - 4,750': 6 1/8" Reed PDC bit, 5 3/16" near bit sub, 4 1/2" 1.5deg motor, 4 11/16" NM Pony DC, 4 1/2" MWD NMDC, 4 1/2" Gap Sub, 3 11/16" NM Flex, 4 1/2" NM Flex, and 12 jts 3 1/2" 15.5# X-95 drill pipe.

08/21/2017

Sidetrack #4

CBP and Whipstock @ 4,061 ft MD

Upper Coal Window: 4042' - 4050'

6 1/8" hole to 6,180 ft MD

Prod Liner: 40 jts perf'd 8 jts blank of

4.5" 11.6# N-80 BTC

Pre-perf'd perfs: 4436'-6177'

4spf, 90deg, 0.75" dia, ~ 6,644 holes

Setting depth: 6,180 ft MD

Liner Top: 4,054 ft MD (4' outside window)

Prepared by: Savage

Date: 08/29/2017

KB = 15 ft

KB (#3 #4 Laterals) = 16 ft

GL = 6,472 ft

API# 30-039-29790

Spud Date: 05/21/2007

Well First Delivered: 11/06/2007

Install PC Pump: 07/07/2015

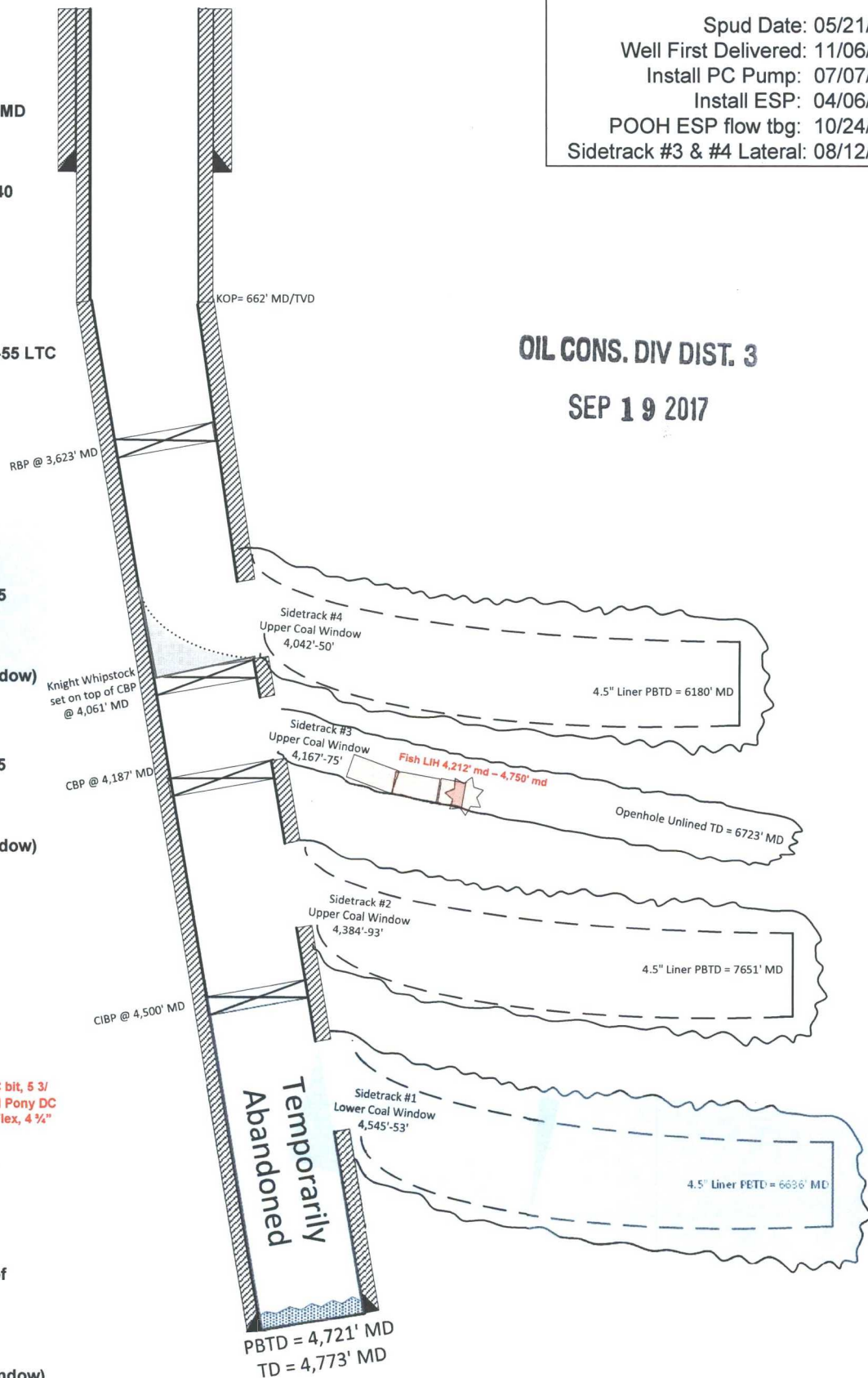
Install ESP: 04/06/2016

POOH ESP flow tbg: 10/24/2016

Sidetrack #3 & #4 Lateral: 08/12/2017

OIL CONS. DIV DIST. 3

SEP 19 2017



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