

DRILL STEM TEST INFORMATION

Compiled from Petroleum Information Corporation
Well History Control System (WHCS) Data

EXPLANATION--DRILLING SYMBOLS AND ABBREVIATIONS

DST Drill-stem test
GTS Gas to surface
Rec Recovered
BOPD Barrels of oil per day
BWPD Barrels of water per day
MCFD Thousand cubic feet per day
BCPD Barrels condensate per day
IPF Initial production flow
FP Flow pressure
ISIP Initial shut in pressure
FSIP Final shut in pressure
HP Hydrostatic pressure
SQZD Squeezed

SUS Suspended well
WCUSH Water cushion
SWTR Salt water
GCM Gas cut mud
WTR Water
HCCM Heavily gas cut mud
FRAC Hydraulic fracturing
WFR Water fracturing
SEFR Sand-emulsion fracturing
MA Mud acid
BBLs Barrels
PKRS Packers
BW Barrels water

From the Almond
KB 3350
DF 3350
TD 3317

Dry and abandoned well
Gas well--shows producing formation
Oil well
Kelley bushing, elevation in feet
Derrick floor, elevation in feet
Total depth of well in feet
Drill-stem test interval
Cored interval

METRIC EQUIVALENTS

1 ft = 0.305 m
1 psi = 7.03×10^{-2} Kg per cm^2
1 BOPD = 159 liters of oil per day
1 MCFD = 28.32 m^3 per day
1 BWPD = 159 liters of water per day
1 gal. = 3.785 liters
1 lb. = 0.453 kilograms
cc = Cubic centimeter

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No DST's
Perforation Tests:
9450-9468ft { MA 250 gals
SWFR 40,000 gals
IPF 130 BOPD, 11,500 MCFD

DST 01
9469-9597ft
Rec 650ft HCCM
GTS 5 min 36 MCFD, GTS 60 min 34 MCFD
FP 80-120 psi, 76-122 psi
ISIP 3055 psi/60 min
FSIP 4285 psi/120 min
HP 5193-5160 psi

DST 02
9562-9717ft
No rec. reported
GTS 5 min 41 MCFD, 60 min 31 MCFD
FP 490-304 psi, 311-260 psi
ISIP 712 psi/65 min
FSIP 3328 psi/180 min
HP 5397-5326 psi

Perforation Tests:

9475-9482ft
9488-9494ft
9502-9504ft
9589-9591ft
9671-9675ft
9739-9744ft
9770-9775ft
9813-9816ft
9819-9826ft

FRAC 138,500 gals. WTR
IPF 499 MCFD, 30 BOPD,
30 BWPD

No DST's
Perforation Tests:
9496-9506ft
9512-9524ft
9568-9576ft
9650-9660ft
9672-9684ft

9390-9398ft { Acid 2428 gals
SEFR 2196 bbls
147,000 lbs sand
10,500 lbs glass
IPF 23 BCPD, 1066 MCFD

DST 01
8350-8530ft
Rec 80ft MUD, 2260 cc MUD
FP 36-36 psi
ISIP 104 psi/60 min
FSIP 55 psi/60 min
HP 4321-4311 psi

DST 01
11,062-11,267ft
Misrun - PKRS Failed

DST 02
11,062-11,267ft
GTS 20 min 5 MCFD, 30 min 6 MCFD
GTS 40 min 12 MCFD, 60 min 18 MCFD
Rec 2480ft WCUSH, 200ft GCM
Rec 2200 cc MUD
FP 1197-1197 psi, 1190-1217 psi
ISIP 1197 psi/90 min
FSIP 4690 psi/120 min
HP 5850-5850 psi

Perforation Tests:

10,871-11,086ft (Gross))
11,110-11,168ft (Gross))
11,252ft)
11,276ft)
11,312-11,362ft (Gross))
11,410-11,468ft (Gross))
12,556-12,570ft)

MA 3,000 gals
SEFR 3,106 bbls
288,225 lbs sand
8,000 lbs glass
IPF 1192 MCFD, 33 BCPD
36 BW

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No DST's
Perforation Tests:
13,261-13,397ft (Gross) WFR 130 bbls
12,342-12,347ft (Gross) SEFR 117,000 gals
228,000 lbs sand
12,134-12,168 ft (Gross) SWFR 40,000 gals
70,000 lbs sand
11,996-12,078ft (Gross)
11,801-11,810ft (Gross)
11,662-11,716ft (Gross) Acid 2,000 gals
11,801-11,810ft (Gross) Acid 7,000 gals SQZD
11,523-11,605ft (Gross) Acid 5,000 gals
9,206-9,207ft
9,215-9,215ft Acid 2,000 gals SQZD
9,204-9,216ft (Gross) Acid 6,800 gals
Acid 4,800 gals

DST 01
11,042-11,750ft
Misrun
Perforation Tests:
12,099-12,110ft
12,124-12,132ft
12,354-12,364ft
12,417-12,426ft
12,573-12,581ft
12,755-12,758ft
12,828-12,833ft
12,954-12,959ft
12,961-12,963ft

FRAC 131,400 gals gel
177,750 lbs. sand
IPF 250 MCFD, 30 BWPD

DST 01
5828-5900ft
Rec 105ft MUD, 500ft WCUSH
Rec 210 cc MUD
FP 386-380 psi, 370-398 psi
ISIP 386 psi/62 min
FSIP 398 psi/120 min
HP 2766-2766 psi
Perforation Test:
11,092-11,096ft
12,700-12,741ft Rec 41ft

No DST's
Perforation Tests:
12,683ft
12,743ft
12,658ft
12,929ft
13,000ft
13,107ft

Acid 3,000 gals
IPF 1500 MCFD, 96 BW