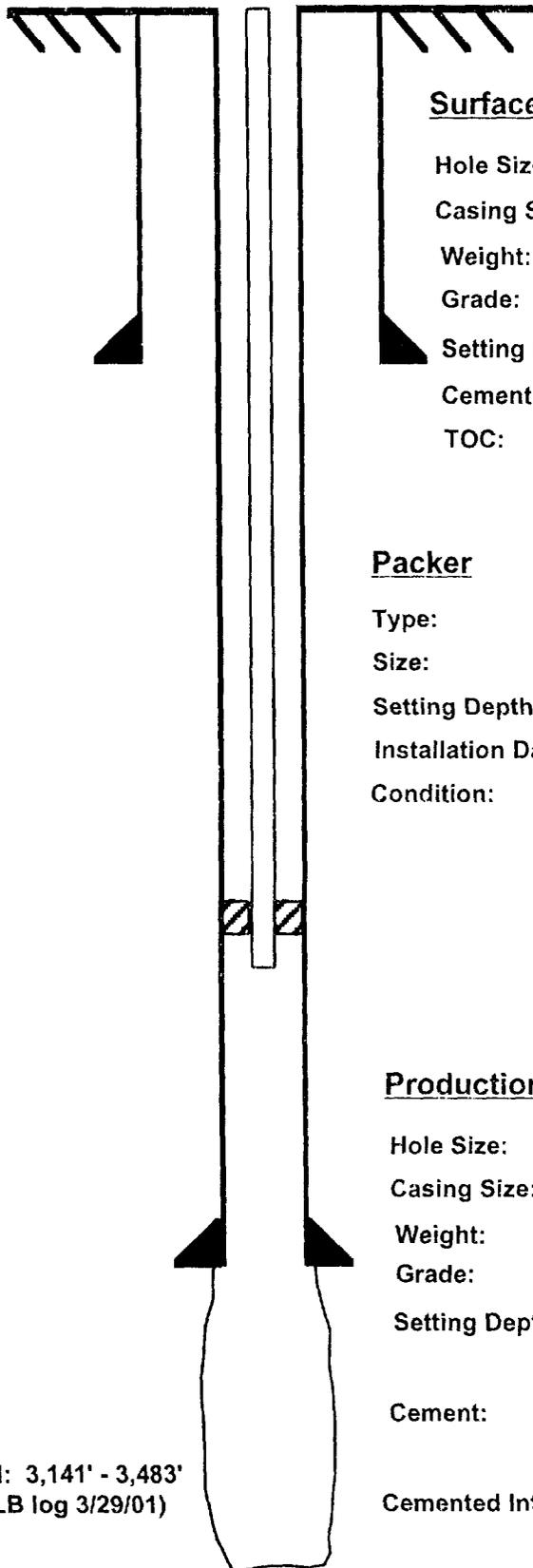


WELLBORE DIAGRAM

OPERATOR: DOYLE HARTMAN (Olsen Oil, Texas Pacific Oil Co., Sun Oil Co.)
 WELL: MCKINNEY STATE No. 1
 FIELD: LANGLIE MATTIX
 INJ. INTERVAL: 3,141' - 3,483' (SLB log 3/29/01)

PREP. DATE: 5-9-2001
 RE-SPUD DATE: 3-4-1949
 8-3/4" Hole
 COMP. DATE: 3-31-1949



Surface String

Hole Size: 13-3/8"
 Casing Size: 10-3/4"
 Weight: 40.5 #
 Grade: J-55
 Setting Depth: 298'
 Cement: 200 sx
 TOC: Circ

Location

UNIT: A
 SECTION: 36
 TWP: 24S
 RNG: 36E
 CO.: LEA
 STATE: NM
 DF: 3,269'
 GL: 3,262'

Packer

Type: Baker "LS"
 Size: 7" x 2-3/8"
 Setting Depth: 3,064'
 Installation Date: 4/10/01
 Condition: New
 (nickel-plated externally,
 plastic-coated internally).

WELL HISTORY

Please refer to attached well chronology.

BEFORE EVALUATE CATCHMACH
 BEFORE PRODUCTION EVALUATION
 1/20/01
 12067

Production String

Hole Size: 8-3/4"
 Casing Size: 7"
 Weight: 20 #
 Grade: J-55
 Setting Depth: 3,141' (SLB log 3/29/01)
 3,148' (C-105 dated 4/5/49)
 Cement: 500 sx (3/22/49)
 300 sx (2/76)
 Cemented Intervals: 0' - 1,080' & 2,170' - 3,141'
 (VDCBL-GR-CCL log dated 3/29/01)

OH: 3,141' - 3,483'
 (SLB log 3/29/01)

For caliper, refer to McKinney State # 1 composite log

Tubing String

Size: 2-3/8"
 Weight: 4.7#
 Grade: J-55
 Setting Depth: 3,064'
 Installation Date: 4/10/01
 Condition: New (plastic-coated internally).

Casing Integrity Test

Date: 3/30/01
 Interval: 0' - 2980'
 Pressure: 2,000 psig
 Witness: Steve Turner w/ ABC Rental Tool Co.
 Date: 4/10/01
 Interval: 0' - 3,064'
 Pressure: 650 psig
 Witness: L.W. Hill w/ NMOCD

PBTD: 3,483'
 (SLB log 3/29/01)

TD: 3,483'
 (SLB log 3/29/01)

WELL CHRONOLOGY
McKinney State No. 1 Salt Water Disposal Well

- 11-9-48: Set 10-3/4" O.D., 40.5# csg, at 298', with 200 sx. Circulated cement to surface.
- 3-4-49: Commenced drilling 8-3/4" hole.
- 3-22-49: Set 7" O.D., 20#, J-55 csg, at 3148', with 500 sx.
- 3-25-49: While drilling below 7" O.D. casing, at a drillers depth of 3210', open hole (from 3148' to 3210') was acidized with 2000 gal.
- 3-31-49: Finished drilling 6-1/4"-diameter open hole, from 3148' to a total depth of 3490'.
- 4-5-49: Filing of NMOCC Form C-105, dated 4-5-49, reporting a fair-to-good show of oil, from 3390' to 3490' (scout tickets reported top of pay at 3400').
- 4-20-49: Well flow tested, through 15/64" choke, at a rate of 9 BOPD + 2000 MCFPD.
- 7-1-49: Well logged (by Lane Wells) with GRN log, with maximum loggers depth being reported as 3479'. Bottom of 7" O.D. casing was reported at 3137'.
- 7-23-49: Well shot with 100 qts of nitro, from 3360' to 3450', with well depth being reported to at 3478', on NMOCD Form C-103 dated 8-15-49 (last reported well depth, until 8-6-49 3-28-01).
- 10-27-58: Change of Operator, from R. Olsen Oil Company, to Olsen Oils, Inc.
- 1-30-61: Change of Operator, from Olsen Oils, Inc., to Texas Pacific Coal and Oil Company.
- 5-68: Month of last production (40 BBL of oil, 2252 MCF of gas, and 279 BBL of water).
- 6-1-68: Filing of NMOCD Form C-103, dated 6-1-68, reporting temporary abandonment of well.
- 12-2-68: Commission hearing, before Examiner Daniel S. Nutter, in Case No. 3978, for conversion of well to salt water disposal service.
- 12-9-68: Issuance of Commission Order No. R-3621 authorizing Texas Pacific Oil Company to utilize well for salt water disposal, into Seven Rivers formation.
- 1-24-69: Well converted to salt water disposal service. Ran 2-3/8" O.D. IPC injection tubing. Set Baker 7" Model "AD" tension packer at 3096'.

- 2-19-76: Repair of apparent split, in 7" O.D. casing, at approximately 601', by cementing 10-3/4" to 2-25-76 x 7" annulus, from 0' to 1090', with 300 sx of Class-C cement containing 2% CaCl₂. Baker 7" Model "AD" packer set at 3066'.
- 10-10-80: Change of Operator, from Texas Pacific Oil Company, to Sun Texas Company.
- 7-1-81: Change of Operator, from Sun Texas Company, to Sun Oil Company.
- 1-1-82: Change of Operator, from Sun Oil Company, to Sun Exploration and Production Company.
- 2-4-86: Change of Operator, from Sun Exploration and Production Company, to Doyle Hartman.
- 3-19-01: Pulled and laid down original 2-3/8" O.D. IPC tubing and Baker 7" Model "AD" packer. to 3-28-01 Jetted and cleaned out fill and bacteria, from open hole, to a depth of 3483'.
- 3-29-01: Well logged (by Schlumberger) with TDLD-CNL-GR-CAL log, AzLL-MCFL-GR-Cal log, DS-CNL-GR-CCL log, VDCBL-GR-CCL log. Bond log indicated good cement bonding over cemented intervals, from 0' to 1080', and 2170' to 3141'. Schlumberger found total depth at 3483', with bottom of 7" O.D. casing at 3141'.
- 3-30-01: Set Baker 7" Model "C" RBP at 2980'. Pressure tested 7" O.D. casing, from 0' to 2980', to 2000 psi. Pressure held okay.
- 4-4-01: Installed new 7" O.D. x 5.1' tieback casing nipple and 10-3/4" O.D. x 5.2' tieback casing to 4-5-01 nipple, with 2" threaded collar welded to side of 10-3/4" O.D. tieback casing nipple. Sealed 10-3/4" x 7" annulus with 10-3/4" x 7" x 1/2" welded steel seal ring. Installed 54" O.D. x 6.8' corrugated steel cellar can. Backfilled around cellar can. Filled cellar can with 4 cu. yds of Redi-Mix concrete.
- 4-10-01: Ran 94 jts. of new 2-3/8" O.D., 4.7 lb/ft, J-55, IPC injection tubing and new Baker 7" x 2-3/8" Lok-Set Packer (nickel-coated O.D. and plastic-coated I.D.). Loaded hole with corrosion-resistant packer fluid. Set new Baker Lok-Set packer at 3064.42', with 12000 psi tension. Pressure tested 7" x 2-3/8" annulus, to 650 psi, for 20 minutes. Pressure held okay. Test witnessed by L.W. (Buddy) Hill, NMOCD deputy inspector.