

WRS COMPLETION REPORT

REISSUES SEC 2 TWP 17S RGE 37E
 PI# 30-T-0002 03/06/89 30-025-30095-0101 PAGE 1

NMEX LEA * 1980FSL 660FWL SEC NW SW
 STATE COUNTY FOOTAGE SPOT
 PENNZOIL CO D R DO
 OPERATOR WELL CLASS INIT FIN
 1 STATE "2"
 WELL NO LEASE NAME
 3789KB 3764GR SHIPP
 OPER ELEV FIELD/POOL AREA
 API 30-025-30095-0101
 LEASE TYPE NO PERMIT OR WELL I.D. NO.
 09/30/1988 11/11/1988 ROTARY OIL-WO
 SPUD DATE COMP. DATE TYPE TOOL STATUS
 12000 STRAWN MCVAY DRLG 10 RIG SUB 23
 PROJ. DEPTH PROJ. FORM CONTRACTOR
 DTD 11860 PB 11782 OTD 11730 FM/TD ATOKA
 DRILLERS T.D. LOG T.D. PLUG BACK TD OLD T.D. FORM T.D.

LOCATION DESCRIPTION

9 MI SE LOVINGTON, NM

PROPOSED TVD AND BOTTOM HOLE LOCATION
 1600 FSL 300 FWL SEC NW SW

WELL IDENTIFICATION/CHANGES

API CHGD FROM 30-025-30095-0001
 INIT CLASS CHGD FROM DD

WHIPSTOCK DEPTH

WSD 8314 SET WHIPSTOCK & DRLD OFF IN STH

REMEDIAL SIDETRACK HOLE DATA

RSTH # 1 DTD 11860
 ORIGINAL HOLE TD 11730

CASING/LINER DATA

CSG 5 1/2 @11858 W/ 710 SACKS

TUBING DATA

TBG 2 7/8 AT 11406

CONTINUED IC# 300257036888

REISSUES SEC 2 TWP 17S RGE 37E
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PENNZOIL CO STATE "2" D R DO
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INITIAL POTENTIAL

IPF 449BOPD 500 MCFD 12BW 32/64CK 24HRS
 STRAWN PERF W/ 171/IT 11531-11616
 PERF 11531-11616
 ACID 11531-11616 10000GALS
 20% HCL
 TP 210
 GTY 42.9 GOR 1114
 FCP PKR

| TYPE | FORMATION | LTH | TOP | TVD | SUBSEA | BASE | TVD | SUBSEA |
|------|-----------|-----|-------|-------|--------|------|-----|--------|
| LOG | DRINKARD | | 8576 | 8575 | -4786 | | | |
| LOG | BONE SP3 | | 8803 | 8801 | -5012 | | | |
| LOG | WOLFCAMP | | 9494 | 9487 | -5698 | | | |
| LOG | PNNSYLVN | | 10580 | 10540 | -6751 | | | |
| LOG | CANYON | | 11000 | 10947 | -7158 | | | |
| LOG | STRAWN | | 11410 | 11352 | -7563 | | | |
| LOG | ATOKA | | 11688 | 11628 | -7839 | | | |

SUBSEA MEASUREMENTS FROM KB

DRILLING PROGRESS DETAILS

PENNZOIL CO
 DRAWER 1828
 MIDLAND, TX 79702
 915-682-7316
 OWDD: OLD INFO: FORMERLY PENNZOIL CO #1 STATE
 "2". ELEV 3770 GR. SPUD 12/6/87. 13 3/8 @ 430
 W/425 SX, 8 5/8 @ 4200 W/1460 SX. LOG TOPS:
 CANYON 10979, STRAWN 11413, ATOKA 11644. OTD
 11730. COMP 12/28/87. D&A.
 OLD RECORDS SHOW ELEV 3770 GR.
 09/15 LOC/1988/
 10/07 11730 TD, DOC @ 8450
 10/11 11730 TD, DRLG BY @ 8625 (DOLO)
 10/19 11730 TD, DRLG BY @ 10177 (LM)
 10/27 11860 TD, RNG LOGS
 10/27 DEVIATION SURVEYS @ 8317 (1S, 28W), 8400 (3/4N,
 27E), 8438 (1/2S, 77E), 8540 (3 1/4S, 36W),
 8622 (5 1/4S, 40W), 8683 (6 1/4S, 47W), 8741
 (7S, 48W), 8834 (7S, 45W), 8929 (7S, 47W), 9023
 (6 3/4S, 50W), 9074 (6 3/4S, 52W), 9141 (6 1/2S,

CONTINUED

WRS COMPLETION REPORT

REISSUES SEC 2 TWP 17S RGE 37E
 PI# 30-T-0008 11/07/88 30-025-30095-0000 PAGE 1

NMEX LEA * 1980FSL 660FWL SEC NW SW
 STATE COUNTY FOOTAGE SPOT
 PENNZOIL CO D D
 OPERATOR WELL CLASS INIT FIN
 1 STATE "2"
 WELL NO LEASE NAME
 3789KB 3770GR SHIPP
 OPER ELEV FIELD POOL AREA
 API 30-025-30095-0000
 LEASE TYPE NO PERMIT OR WELL I.D. NO.
 11/18/1987 12/28/1987 ROTARY D&A
 SPUD DATE COMP. DATE TYPE TOOL STATUS
 11900 STRAWN MCVAY DRLG 8 RIG SUB 18
 PROJ. DEPTH PROJ. FORM CONTRACTOR
 DTD 11730 FM/TD ATOKA
 DRILLERS T.D. LOG T.D. PLUG BACK TO OLD T.D. FORM T.D.

LOCATION DESCRIPTION

9 MI SE LOVINGTON, NM

CASING/LINER DATA

CSG 13 3/8 @ 430 W/ 425 SACKS
 CSG 8 5/8 @ 4200 W/ 1460 SACKS
 PLUGS @ 11554-11693 W/40 SX, 10466-10605 W/40 SX,
 9346-9485 W/40 SX, 8476-8615 W/40 SX, 6491-6630 W/40
 SX, 5027-5166 W/40 SX, 4101-4275 W/50 SX, 1981-2120
 W/40 SX, 0-58 W/10 SX

| TYPE | FORMATION | LTH | TOP DEPTH/SUB | BSE DEPTH/SUB |
|------|-----------|-----|---------------|---------------|
| LOG | SN ANDRS | | 5117 | -1328 |
| LOG | GLORIETA | | 6580 | -2791 |
| LOG | TUBB | | 8315 | -4526 |
| LOG | DRINKARD | | 8554 | -4765 |
| LOG | BONE SP3 | | 8800 | -5011 |
| LOG | ABO | | 8935 | -5146 |
| LOG | WOLFCAMP | | 9486 | -5697 |
| LOG | PNNSYLVN | | 10555 | -6766 |
| LOG | CANYON | | 10979 | -7190 |
| LOG | STRAWN | | 11413 | -7624 |
| LOG | ATOKA | | 11644 | -7855 |

SUBSEA MEASUREMENTS FROM KB

LOGS AND SURVEYS /INTERVAL,TYPE/

LOGS LDT CNL GR

CONTINUED IC# 300257033887

PENNZOIL CO STATE "2" D D
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LOGS AND SURVEYS /INTERVAL, TYPE/

LOGS CALP DLL MSFL
 LOGS SONL

DRILLING PROGRESS DETAILS

PENNZOIL CO
 BOX 1828
 MIDLAND, TX 79702
 915-682-7316
 10/09 LOC/1987/
 12/17 DRLG 9364 (DOLO, LS, SD)
 12/30 11730 TD, HOLDING FOR DATA
 11/03 DEVIATION SURVEYS @ 196 (1/2 DEG), 412 (1/2 DEG)
 910 (1/2 DEG), 1402 (1/4 DEG), 1901 (1/4 DEG),
 2100 (1/2 DEG), 2602 (1/2 DEG), 3104 (1/2 DEG),
 3604 (1 1/4 DEG), 3667 (1 3/4 DEG), 3730 (1 1/4
 DEG), 4226 (3/4 DEG), 4706 (1 DEG), 5208 (3/4
 DEG), 5708 (1 DEG), 6209 (3/4 DEG), 6712 (3/4
 DEG), 7215 (1 1/4 DEG), 7719 (1 DEG), 8219 (1
 DEG), 8586 (1 DEG), 8847 (0 DEG), 8942 (1/2 DEG)
 9009 (1 1/2 DEG), 9060 (1 1/2 DEG), 9093 (1 1/2
 DEG), 9125 (1 1/2 DEG), 9188 (1 1/2 DEG), 9219
 (1 1/2 DEG), 9250 (2 DEG), 9314 (3 DEG), 9345
 (2 1/2 DEG), 9375 (2 DEG), 9405 (1 1/2 DEG),
 9440 (1 1/2 DEG), 9469 (1 1/2 DEG), 9500 (1 1/2
 DEG), 9532 (1 1/2 DEG), 9564 (1 1/2 DEG), 9621
 (2 1/4 DEG), 9626 (2 DEG), 9658 (1 1/2 DEG)
 9689 (1 1/2 DEG), 9721 (1 1/2 DEG), 10012 (1 3/4
 TD REACHED 12/26/87 RIG REL 12/28/87
 02/03 11730 TD
 COMP 12/27/87, D&A
 NO CORES OR DSTS RPTD
 11/03 REISSUED TO CORRECT FM @ TD, SPUD DATE &
 ADD CSGS, LOG TOPS, LOGS RUN, PLUGGING
 DETAIL, DEV SURVEYS, DRLG DEPTH W/LITH &
 DELETE TITE STATUS
 REPLACEMENT FOR CT ISSUED 2/8/88

PENNZOIL CO
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STATE "2"

D R DO

DRILLING PROGRESS DETAILS

54W), 9205 (6 1/4S, 56W), 9587 (11 1/2S, 36W),
9672 (12 1/2S, 39W), 9768 (14S, 38W), 9890
(14 3/4S, 37W), 10106 (15S, 38W), 10295 (15S,
29W), 10483 (15S, 37W), 10608 (14 3/4S, 39W),
10773 (15S, 39W), 10870 (14 1/2S, 40W), 10964
(12 1/4S, 35W), 11183 (9S, 40W), 11308 (7 1/2S,
43W)
DEEPENED 11730 TO 11860 IN STH
RAN 5 1/2 CSG
11/02 11860 TD, WOCT
11/09 11860 TD, PB 11782, COMPLETING
11/16 11860 TD, PB 11782, WOPT
TD REACHED 10/27/88 RIG REL 10/28/88
11/22 11860 TD, PB 11782
COMP 11/11/88, IPF 449 BO, 500 MCFG, 12
BWPD, 32/64 CK, GOR 1114,
GTY 42.9, FTP 210, FCP PKR
03/02 PROD ZONE - STRAWN 11531-11616
REISSUE TO CORRECT FM @ TD, OWWO INFO &
ADD ACID, LOG TOPS, GOR, GTY
REPLACEMENT FOR CT ISSUED 11/28/88