

WRS COMPLETION REPORTREISSUES SEC 20 TWP 19S RGE 33E
PI# 30-1-0003 05/18/90 30-025-30650-0000 PAGE 1

NMEX LEA * 1800FSL 2060FWL SEC NE SW
STATE COUNTY FOOTAGE SPOT
UNION OIL OF CALIF D DO
OPERATOR WELL CLASS INIT FIN
2 NORTH MADURO FEDERAL UNIT
WELL NO. LEASE NAME
3627KB 3606GR TONTO S
OPER ELEV FIELD POOL AREA
API 30-025-30650-0000
LEASE NO. PERMIT OR WELL ID. NO.
09/23/1989 03/19/1990 ROTARY VERT OIL
SPUD DATE COMP DATE TYPE TOOL HOLE TYPE STATUS
13750 BONE SPG WILLBROS DRLG 14 RIG SUB 20
PROJ. DEPTH PROJ. FORM CONTRACTOR
DTD 13750 PB 11370 FM/TD MORROW L
DRILLERS T.D. LOG T.D. PLUG BACK T.D. OLD T.D. FORM T.D.

LOCATION DESCRIPTION

7 MI N HALFWAY, NM

WELL IDENTIFICATION/CHANGESPROJ FM CHGD FROM MORROW
FIELD CHGD FROM GEM**CASING/LINER DATA**CSG 13 3/8 @ 505 W/ 500 SACKS
CSG 9 5/8 @ 5245 W/ 2600 SACKS
CSG 5 1/2 @ 13750 W/ 1725 SACKS**TUBING DATA**

TBG 2 7/8 AT 10300

INITIAL POTENTIALIPP 38BOPD 49 MCFD 55BW 24HRS
BONE SPG PERF W/ 166/IT 9940-10064
PERF 9940-10064
ACID 9940-10064 4000GALS
7 1/2% HCL
GTY 37.9 GOR 1289

TYPE	FORMATION	LTH	TOP DEPTH/SUB	BSE DEPTH/SUB
LOG	RUSTLER		1255 2351	

CONTINUED IC# 300257019789

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UNION OIL OF CALIF D DO
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TYPE	FORMATION	LTH	TOP	DEPTH/SUB	BSE	DEPTH/SUB
LOG	SALT		1573	2033		
LOG	TANSILL		2913	693		
LOG	YATES		3110	496		
LOG	SVN RVRS		3480	126		
LOG	QUEEN		4214	-608		
LOG	CAPITAN		4700	-1094		
LOG	DELAWARE		5288	-1682		
LOG	BN SP LM		8284	-4678		
LOG	BONE SP1		8996	-5390		
LOG	BONE SP2		9500	-5894		
LOG	BONE SP3		10568	-6962		
LOG	WOLFCAMP		11013	-7407		
LOG	STRAWN		12147	-8541		
LOG	ATOKA		12465	-8859		
LOG	ATOKA	LS	12877	-9271		
LOG	MORROW		13010	-9404		
LOG	MORROW M		13253	-9647		
LOG	MORROW L		13558	-9952		

SUBSEA MEASUREMENTS FROM GR

CORES

- REC SP BONE SP2 SDWL OIL
REC OIL
NO OTHER DETAILS

- REC SP WOLFCAMP SDWL OIL
REC OIL & WTR
NO OTHER DETAILS

PRODUCTION TEST DATA

MORROW L PERF W/ 16/IT 13638-13642
PERF 13638-13642
ACID 13638-13642 750GALS
7 1/2% NEFE HCL

MORROW PERF W/ 28/IT 13312-13319
PERF 13312-13319
ACID 13312-13319 1000GALS
7 1/2% NEFE HCL

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PRODUCTION TEST DATA

MORROW PERF W/ 94/IT 13326-13477
PERF 13326-13477
ACID 13326-13477 2250GALS
7 1/2% NEFE HCL

PTS 40BW 4HRS
MORROW U PERF W/ 62/IT 13093-13110
PERF 13093-13110
ACID 13093-13110 1000GALS
10% ACETIC
BRPG @13025 13093-13642

WOLFCAMP PERF W/ 96/IT 11402-11426
PERF 11402-11426

PTF 10BO 1HRS
WOLFCAMP PERF 11402-11426
PERF 11402-11426
BRPG @11370 11402-11426

LOGS AND SURVEYS /INTERVAL,TYPE/

LOGS CNL LDT GR
LOGS CCL CBL

DRLG SHOWS OR POROSITY ZONES /INTERVAL,FORMATION,DESC

5420- 5510 DELAWARE OIL 7760- 7790 BONE SPG O&G
9930-10050 BONE SP2 OIL 11394-11415 WOLFCAMP GAS
11466-11476 WOLFCAMP OIL 11871-11871 WOLFCAMP GAS
12796-12800 MORROW GAS 13092-13110 MORROW GAS

DRILLING BREAKS

07760-07790 SG&O (BONE SPRING) S
12796-12800 5-6 FT FLARE (MORROW) S

DRILLING PROGRESS DETAILS

UNION OIL OF CALIF
BOX 671
MIDLAND, TX 79702

CONTINUED

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UNION OIL OF CALIF D DO
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DRILLING PROGRESS DETAILS

915-682-9731
07/21 LOC/1989/
09/25 DRLG 505
10/03 DRLG 4821
10/12 DRLG 8340
10/24 DRLG 11548
10/31 DRLG 12835
11/07 DRLG 13688
11/07 3-5 FT FLARE 11394-11415 (WOLFCAMP)
3-4 FT FLARE 11871 (WOLFCAMP)
12/08 13750 TD, PREP DOC W/CT
12/08 DEVIATION SURVEYS @ 980 (3/4 DEG), 1500 (1/2
DEG), 2002 (1/2 DEG), 2440 (1 1/2 DEG), 2928
(3 DEG), 3006 (3 DEG), 3090 (2 DEG), 3729 (1/4
DEG), 4224 (3/4 DEG), 4750 (1/4 DEG), 5245 (1
DEG), 5739 (1/2 DEG), 6232 (1/2 DEG), 6727
(1/4 DEG), 7252 (1/2 DEG), 7747 (1/2 DEG),
8247 (3/4 DEG), 8745 (2 3/4 DEG), 8870 (3 DEG),
9000 (2 1/2 DEG), 9117 (2 DEG), 9526 (1/4 DEG),
10025 (3/4 DEG), 10522 (1 1/4 DEG), 10808 (2
DEG), 11180 (1 1/2 DEG), 11677 (1 3/4 DEG),
11871 (3/4 DEG), 12400 (1 DEG), 12858 (1 DEG),
13224 (1 1/2 DEG), 13721 (1 DEG)
01/10 13750 TD, SWBG
02/07 13750 TD, PB 13025, PREP TEST
02/08 13750 TD, PB 13025, SWBG
03/30 13750 TD, PB 11370, WOPT
RIG REL 11/11/89
04/25 13750 TD, PB 11370
COMP 3/19/90, IPP 38 BO, 49 MCFG, 55 BWPD,
GOR 1289, GTY 37.9
PROD ZONE - BONE SPRING 9940-10064
NO CORES OR DSTS, SDWL CORES RPTD
05/15 REISSUED TO CORRECT PROD TEST, CORES, IP &
ADD DRLG SHOWS, LOG TOPS
REPLACEMENT FOR CT ISSUED 4/27/90