

# WRS COMPLETION REPORT

COMPLETIONS SEC 33 TWP 18S RGE 38E  
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NMEX LEA \* 1847FSL 985FEL SEC NE SE  
STATE COUNTY FOOTAGE SPOT  
SHELL WESTERN EXPL&PROD D DO  
OPERATOR WELL CLASS INIT FIN  
433 NORTH HOBBS (GBSA) UNIT SEC 33  
WELL NO. LEASE NAME  
3644KB 3631GR HOBBS  
OPER ELEV FIELD POOL AREA  
API 30-025-30308-0000  
LEASE TYPE NO. PERMIT OR WELL I.D. NO.  
04/16/1988 07/17/1988 ROTARY OIL  
SPUD DATE COMP DATE TYPE TOOL STATUS  
4350 GRBG-SAD NORTON DRLG 11 RIG SUB 12  
PROJ. DEPTH PROJ. FORM CONTRACTOR  
DTD 4432 PB 4384 FM/TD SN ANDRS  
DRILLERS T.D. LOG T.D. PLUG BACK TD OLD T.D. FORM T.D.

## LOCATION DESCRIPTION

### HOBBS TOWNSITE

#### PROPOSED TVD AND BOTTOM HOLE LOCATION

CARTESIAN 1950 N 400 W  
PROPOSED BHL LOC MEASURED FROM SEC  
PBHL MEASURED FROM SURF

#### ACTUAL BOTTOM HOLE LOCATION

4432MD 4352TVD  
CARTESIAN 1867 N 360 W  
ABHL MEASURED FROM SEC  
ABHL MEASURED FROM SURF

#### CASING/LINER DATA

CSG 14 @ 53  
CSG 9 5/8 @ 1639 W/ 750 SACKS  
CSG 7 @ 4430 W/ 1150 SACKS

#### TUBING DATA

TBG 2 7/8 AT 4008

#### INITIAL POTENTIAL

IPP 196BOPD 50 MCFD 919BW 24HRS  
SN ANDRS PERF W/ 68/IT 4147- 4290 GROSS

CONTINUED IC# 300257020588

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PI WRS-GET  
Form No 187

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433 NORTH HOBBS (GBSA) UNIT SEC 33

INITIAL POTENTIAL  
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GTY 35.0 GOR 255  
FIELD /RESERVOIR  
/GRAYBURG-SAN ANDRES

| TYPE | FORMATION | LTH | TOP DEPTH/SUB | BSE DEPTH/SUB |
|------|-----------|-----|---------------|---------------|
| LOG  | SALT      |     | 1667          | 1964          |
| LOG  | YATES     |     | 2697          | 934           |
| LOG  | SVN RVRS  |     | 2909          | 722           |
| LOG  | QUEEN     |     | 3441          | 190           |
| LOG  | GRAYBURG  |     | 3793          | -162          |
| LOG  | SN ANDRS  |     | 4047          | -416          |

SUBSEA MEASUREMENTS FROM GR

PRODUCTION TEST DATA  
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SN ANDRS PERF W/ 6/IT 4080- 4084 GROSS  
PERF 4080, 4082, 4084  
ACID 4080- 4084 500GALS  
15% HCL

SN ANDRS PERF W/ 8/IT 4057- 4067 GROSS  
PERF 4057, 4061, 4065, 4067  
ACID 4057- 4067 500GALS  
15% HCL

SN ANDRS PERF 4057- 4084 GROSS  
PERF 4057- 4084  
SQZD W/ 100S 4057- 4084  
SQZD & DOC

SN ANDRS PERF W/ 68/IT 4147- 4290 GROSS  
PERF 4147, 4169, 4172, 4180, 4182, 4184, 4186, 4188  
PERF 4190, 4192, 4193, 4205, 4209, 4210, 4212, 4220  
PERF 4221, 4245, 4246, 4249, 4250, 4252, 4265, 4267  
PERF 4269, 4270, 4271, 4273, 4274, 4282, 4284, 4286  
PERF 4287, 4290  
ACID 4147- 4290 2000GALS  
15% NEA HCL 800 LBS ROCK SALT

CONTINUED

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LOGS AND SURVEYS /INTERVAL,TYPE/

|            |          |       |          |       |           |
|------------|----------|-------|----------|-------|-----------|
| LOGS 3600- | 4432 LDT | 3600- | 4432 CNL | 3600- | 4432 GR   |
| LOGS 3600- | 4432 CAL | 0-    | 4432 CNL | 0-    | 4432 CAL  |
| LOGS 0-    | 4432 GR  | 3600- | 4432 DLL | 3600- | 4432 MSFL |
| LOGS 0-    | 4384 CBL | 0-    | 4384 CCL | 0-    | 4384 GR   |

DRILLING PROGRESS DETAILS

SHELL WESTERN EXPL&PROD  
200 N DAIRY ASHFORD  
HOUSTON, TX 77079  
713-870-2121

DIRECTIONAL WELL

03/08 LOC/1988/  
04/26 DRLG 4180  
04/27 4432 TD, LOGGING  
04/27 WIRELINE SURVEY @ 499, 986, 3954, 4140  
04/29 4432 TD, WOCT  
04/29 RFT LOG - 4005-4415, 24 PTS, NO DETAILS  
05/05 4432 TD, WOCT  
05/13 4432 TD, WOCT  
05/26 4432 TD, PB 4384, PREP TEST  
06/06 4432 TD, PB 4384, SI  
06/15 4432 TD, PB 4384, SI  
06/21 4432 TD, PB 4384, SI  
06/27 4432 TD, PB 4384, SI  
06/30 4432 TD, PB 4384, RNG TBG  
07/07 4432 TD, PB 4384, TSTG  
07/11 4432 TD, PB 4384, PREP POT  
08/18 TD REACHED 04/27/88 RIG REL 04/28/88  
4432 TD, PB 4384,  
COMP 7/17/88, IPP 196 BO, 50 MCFG, 919  
BWP, GOR 255, GTY 35  
PROD ZONE - GRAYBURG-SAN ANDRES 4147-4290  
NO CORES OR DSTS RPTD