

WELL RECORD

WELL: STATE SAUNDERS #1

Operator: Dorchester Exploration, Inc. Field: Cerca, U. Penn
Address: 1100 MNB Tower Location: 1980' FSL & 2030' FEL, Sec 2, T14S, R34E,
City: Midland, Texas 79701 Lea County, New Mexico

Location made by and address: John West Engineering Co, 412 N Dal Paso, Hobbs, NM 88240Application for Permit to Drill Filed: 5-19-81Elevation: 4104.5 GR KBDrilling Contractor and Address: Willbros Drlg, Inc, 5502 W. Industrial St, Midland, TX 79703Drilling Commenced: 7-25-81 Drilling Completed: 8-29-81Log Released: 9-4-81 Completion Commenced Completion Unit Released: Total Depth: 10,713'Directions to Location: 14 miles NW of Jal, New Mexico

Casing Record:

Conductor: Set ' of " Cemented w/
by

Surface: Set bottom to top:

<u>9</u>	jts. of	<u>13-3/8 48# H40 STC</u>	<u>410.00</u>
<u> </u>	jts. of	<u> </u>	<u> </u>
<u> </u>	jts. of	<u> </u>	<u> </u>
<u> </u>	jts. of	<u> </u>	<u> </u>
<u> </u>	jts. of	<u> </u>	<u> </u>
<u>9</u>	jts. of	<u> </u>	<u> </u>
	Total jts. on elevators		<u>410.00</u>
	Collar above K.B.		<u>12.00</u>
	Set at (K.B.)		<u>398.00</u>
	K.B. to cut off		<u>12.00</u>
	Casing left in hole		<u>386.00</u>

Cemented w/ 400 sx Class "C", 1/4#/sx Flocele & 2% CaCl₂PD @ 12:30 am 7-26-81 by Halliburton

Intermediate: Set bottom to top:

<u>40</u>	jts. of	<u>8-5/8" 32#</u>	<u>1598.03</u>
<u>70</u>	jts. of	<u>8-5/8" 24#</u>	<u>2863.11</u>
<u>1</u>	jts. of	<u>8-5/8" 32#</u>	<u>46.96</u>
<u> </u>	jts. of	<u> </u>	<u> </u>
<u> </u>	jts. of	<u> </u>	<u> </u>
<u> </u>	jts. of	<u> </u>	<u> </u>
<u> </u>	jts. of	<u> </u>	<u> </u>
<u>111</u>	jts. of	<u> </u>	<u> </u>
	Total jts. on elevators		<u>4508.10</u>
	Collar above K.B.		<u>5.00</u>
	Set at (K.B.)		<u>4503.10</u>
	K.B. to cut off		<u>13.50</u>
	Casing left in hole		<u>4489.60</u>

Cemented w/ 1600 sx HOWCO Lite w/15# salt, 5# Gilsonite, 1/4#
Flocele, tailed w/300 sx Class "C" w/2% CaCl₂PD @ 10:45 am 8-4-81 by HOWCO

Oil String: Set bottom to top:

jts. of
jts. of
jts. of
jts. of
jts. of
jts. of
jts. of
jts. of
jts. of

Cemented w/

bing Record: Ran bottom to top:

_____ jts. of _____
 _____ jts. of _____
 _____ jts. of _____
 _____ jts. of _____

Set at (K.B)

Bradenhead : _____

Casing Spool: _____

Tubing Spool: _____

Hanger Flange: _____

Master Valves: _____

Flow Tee: _____

Wing Valve: _____

Choke: _____

Tree Cap: _____

nk Battery: _____

parator/Heater-Treater: _____

Depth

Sub-Sea

Formation

4375

-240

San Andres

7930

$$\begin{array}{r} -3795 \end{array}$$

sun
Abo

9650

$$\begin{array}{r} 5755 \\ - 5515 \\ \hline \end{array}$$

Wolfcamp

10445

$$\begin{array}{r} 5515 \\ -6310 \\ \hline \end{array}$$

Penn

re Record:

ill Stem Tests:

DST No. 1: 10445-10550 (105') Penn - 15 min PF 264 psi, 90 min ISI 3314 psi, 90 min FF 769 psi FFP 2226, 180 min 3314 psi; rec 5793' - 744' drlg mud, 1023' gas & mud cut brine wtr w/trace oil, 1953' heavy gas & oil cut wtr, 2033' brine wtr.

DST No. 2: 10300-10460 (160') Wolfcamp - 15 min PF no recording, 60 min ISI, no recording, 60 min IF 470 psi, FF 562 psi, 180 min FSI 2447 psi; rec 1350' wtr cut drlg fluid

DST No. 3: thru 6 - MIS-RUNS

DST NO. 7: 5000-5035 (35') Abo - 15 min PF very weak blow, 60 min ISI 1767 psi, 120 min FF 229.2 psi, 240 min FSI 1746 psi; rec 470' - 30' wtr, 440' drlg mud, no oil or gas show.

foration Record:

pletion Record: P&A

Plug #1 10700' w/25 sx Class "H"
Plug #2 10473' w/25 sx Class "H"
Plug #3 9602' w/25 sx Class "H"
Plug #4 7934' w/25 sx Class "H"
Plug #5 7262' w/25 sx Class "H"
Plug #6 5035' w/50 sx Class "H"
Plug #7 4560' w/25 sx Class "H"
Plug #8 2943' w/25 sx Class "H"
Plug #9 2300' w/25 sx Class "H"
Plug #10 @ surface w/10 sx Class "C", welded plate, 1" nipple & ball valve in 8-5/8"; welded dry hole marker; cleaned location; put fence around reserve pit 9-10-81.

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