

EMSU # 421
API # 30-025-08713
660' FSL & 660' FWL
S16, T21S, R36E, & Unit M
Eunice Monument South Unit
Lea County, New Mexico

February 26, 2001

PROCEDURE TO TEMPORARILY ABANDON WELL:

Notify OCD/BLM 24 hrs prior to work commencing.

1. Verify anchors have been set & tested.
2. MIRU PU. ND WH. NU BOP.
3. TOH w/ tbg. TIH w/WS.
4. Set 100 Class 'C' cmt plug from 3715' to 3615'. Liner top @ 3710'.
5. TIH w/WS to TOC. Circulate csg w/corrosion inhibited pkr fluid. TOH.
6. Perform MIT (500 PSI for 30 min.).
7. ND BOP. NU WH. RD PU.
8. Clean and clear location.

Tracy Love 687-7645



WELL DATA SHEET

LEASE: EMSU WELL: 421
LOC: 660 F S L & 660 F W L SEC: 16
TOWNSHIP: 21S CNTY: Lea
RANGE: 36E UNIT: M ST: N.M.
(formerly: State "C" #2)

FORM: Grayburg / San Andres DATE: _____
GL: 3640' STATUS: Producer
KB: 3643' API NO: 30-025-08713
DF: _____ CHEVNO: FA 97760:01

Date Completed: 11/1/35
Initial Production: F 1572 BOPD
Initial Formation: Grayburg
FROM: 3820' to 3850'

Completion Data

11/35 Perf 3820-42', 3856-98 & 3908-35'

Subsequent Workover or Reconditioning:

8/56 Frac 3765-3850' w/10,000 gals & 10,000 # sand. Csg leaks @ 466' & 930'. SQZD w/ 100 SX. Circ 7" X 9" annulus. A/W: 18 BOPD/ 15 BW GOR 44,072. B/4: 34 BOPD/1 BW/ GOR 21200.

9/57 SI due to excessive GOR.

7/60 Deepened to 3941'. Log w/ Isotron. Run 5 jts 5" X-liner 15# liner, set @ 3941'. Cmt w/ 35 SX, sqzd w/ 50 SX. D/O to 3940'. Perf liner @ 3926-3935, 3908-12 (4 JHPF). ACDZ w/ 500 gals. Swab dry. ACDZ w/ 2000 gals. Swab dry. Set BP @ 3850'. Perf 3820-3842 (4 JHPF). ACDZ w/ 500 gals. Reacdz w/ 2000 gals. Swb dry. SI due to unsuccessful completion attempt in the Eumont Grayburg interval.

7/60 through 2/77 Well was TA'd.

2/77 P&A. Tag CIBP @ 3845'. Spot 30 SX plug @ 3592-3845'. Spot 20 SX plug 510 - 410'. Spot 10 SX plug f/ 50-0'.

3/85 Reenter and D/O to 3845'. Test csg to 500#. D/O CIBP and to 3941' (TD). Work performed by Cities Services.

8/85 Log w/ GR, CCL, Cal. ACDZ w/ 3500 gals 15% NeFe. Swab f/ 4 hrs. SFL - 3000'. FFL @ 3300'. Rec'd 22 BBL acid/water w/ good blow gas. Chem treat. A/W: 48 BO/ 52 BW/ 6 MCFG. B/4: TA'd.

10/86 Chem treat

3/87 C/O and deepen 4-1/8 to 4023'. Perf @ 3839-41, 3823-25 (2JHPF). Acdz perms w/ 1000 gals 15% NeFe. Acdz OH w/ 5000 gals 15% NeFe. RIH w/ PE. TOTP. A/W: 3 BO/ 85 BW/ 100 MCF. B/4: 13 BO/ 70 BW/ 68 MCF.

9/88 Chem treat

4/89 Chem treat

Additional Data:

T/Queen @ 3570'
T/Penrose @ 3712'
T/Grayburg Zone 1 @ 3877'
T/Grayburg Zone 2 @ 3919'
T/Grayburg Zone 2A @ 3970'
T/Grayburg Zone 3 @ 4010'
T/Grayburg Zone 4 @ 4053'
T/Grayburg Zone 5 @ 4103'
T/Grayburg Zone 6 @ 4141'
T/San Andres @ 4147'
KB @ 3643'

12-1/2" OD
CSG
Set @ 298' W/ 100 SX
Cmt circ.? No
TOC @ 128' by calc
(16" hole)

9" OD
38# CSG
Set @ 1725' W/ 550 SX
Cmt circ.? No
TOC @ surf by calc
(11-1/2" hole)

Tubing Detail: 3/18/87

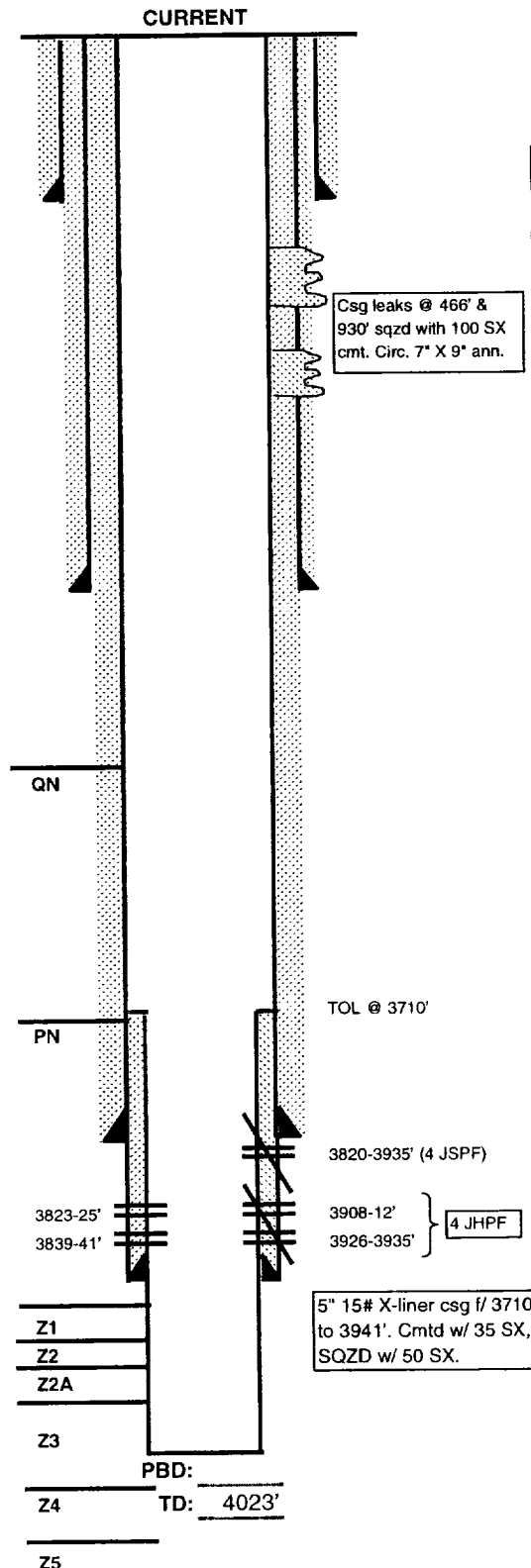
Original KBTH: 3.00'
129 Jts. 2-3/8" J-55 4.7# EUE 8rd
tbg: 3976.03'
2-3/8" Seating Nipple: 1.10'
2-3/8" Perf Sub: 4.10'
2-3/8" Mud Anchor w/ BP: 32.00'

Landed @: 4016.23'

Rod Detail: 3/18/87

1 - 4' X 3/4" Sub Rod
1 - 8' X 3/4" Sub Rod
157 - 3/4" Sucker Rods
1 - 2 X 1-3/4" X 16' RHBC Pump

7" OD
24# CSG
Set @ 3762' W/ 150 SX
Cmt circ.? No
TOC @ 1809' by Calc
(7-7/8" hole)





PROPOSED TA WELL DATA SHEET

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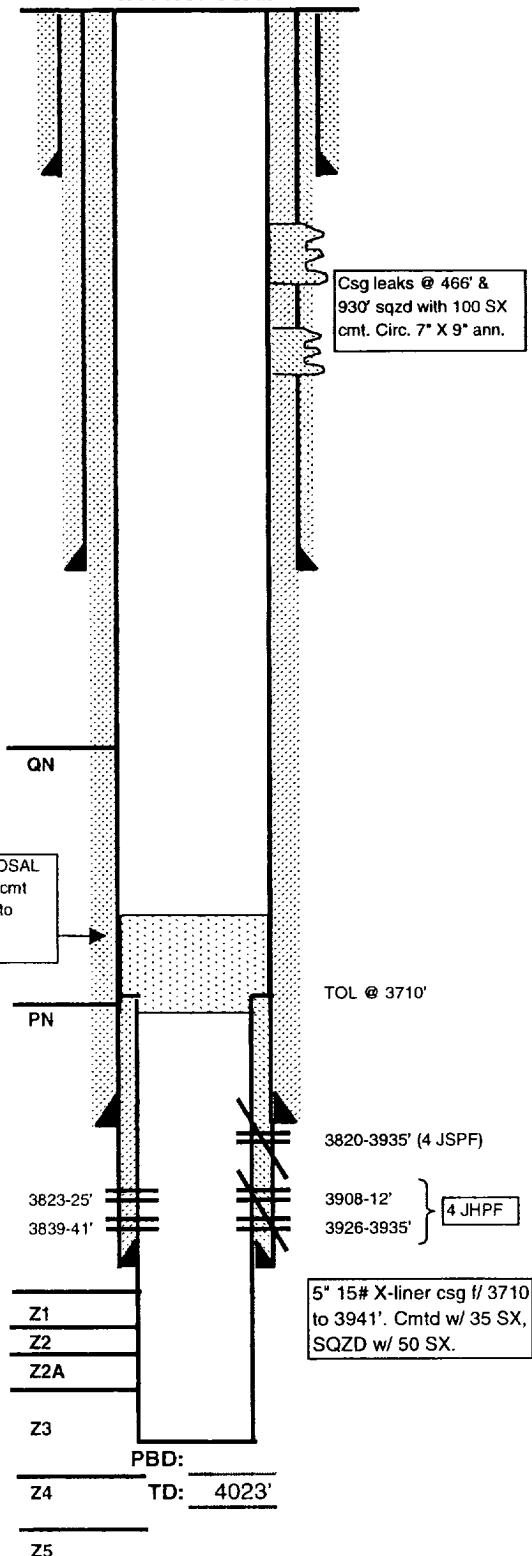
TA PROPOSAL

12-1/2" OD
 CSG
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 (16" hole)

9" OD
 38# CSG
 Set @ 1725' W/ 550 SX
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7" OD
 24# CSG
 Set @ 3762' W/ 150 SX
 Cmt circ.? No
 TOC @ 1809' by Calc
 (7-7/8" hole)

OCD TA-PROPOSAL
 Set 100' CL "C" cmt
 plug from 3715' to
 3615'.



Csg leaks @ 466' &
 930' sqzd with 100 SX
 cmt. Circ. 7" X 9" ann.

TOL @ 3710'

3820-3935' (4 JSPF)

3908-12'
 3926-3935' } 4 JHPF

5" 15# X-liner csg f/ 3710
 to 3941'. Cmt w/ 35 SX,
 SQZD w/ 50 SX.

PBD:

Z4 TD: 4023'

Z5