

Conditions of approval, if any:

AGU # 116
API # 30-025-23995
990' FSL & 790' FEL
S25-T21S & R36E
Arrowhead Grayburg Unit
Lea County, New Mexico

January 31, 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/4-3/4" bit, csg scraper, & WS. Make bit trip to 3660'. POH.
4. Set CIBP @ 3650'. Dump 3 sx Class 'C' cmt on CIPB.
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.

T. Love 687-7645

CURRENT WELL DATA SHEET

FIELD: Arrowhead

WELL NAME: AGU No. 116

FORMATION: Grayburg

LOC: 990' FSL & 790' FEL
TOWNSHIP: 21-S
RANGE: 36-E

SEC: 25
COUNTY: Lea
STATE: NM

(Orig. Moore Brownlee #1)

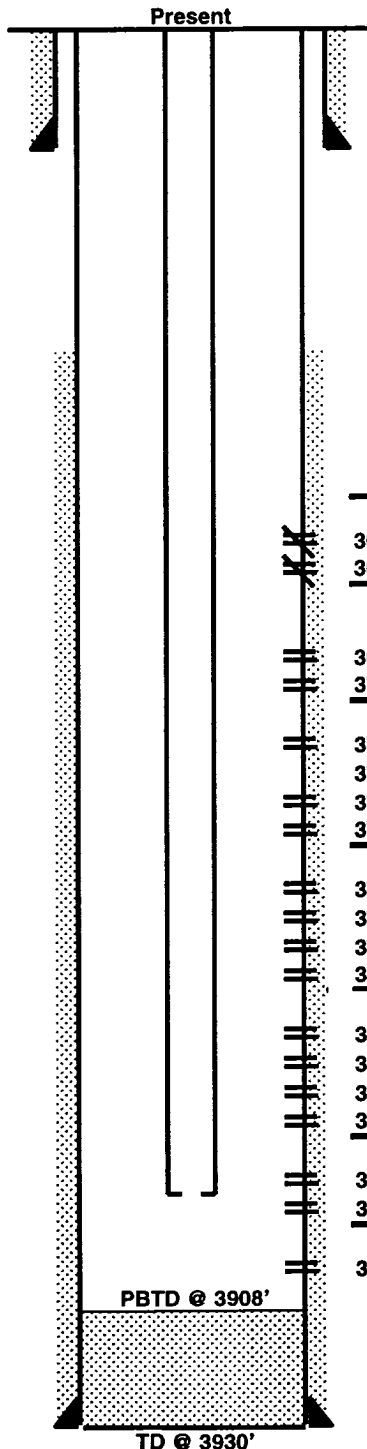
GL: 3528.0'
KB to GL: 8.0'
DF to GL: 7.0'

CURRENT STATUS: Shut-in
API NO: 30-025-23995
CHEVNO: FG9388

8-5/8" OD Surf. Pipe
set @ 315' w/ 150 sxs cmt.
Cement circ. to surface.

TOC @ 2168' by calc.

5-1/2" OD, Grade J-55,
15.5# csg set @ 3928'
w/ 330 sxs cmt. TOC @
2168' by calc. 7-7/8" hole.



Penrose
3666', 3668',
3679', 3682',
GRBG Z1

3696'
3705' - 3709'

Z2
3720' - 3726',
3736' - 3740',
3750', 3754',
3758', 3762'

Z3
3787',
3790' - 93',
3796' - 98',
3802' - 06'

Z4
3808' - 3811',
3819' - 22',
3826' - 31',
3832' - 36'

Z5
3851' - 3856',
3860' - 64',
San Andres
3889'

Date Completed: 3/01/72

Initial Production: 47 BOPD/ 68 BWPD/ 71 MCFGPD

Initial Formation: Grayburg **From:** 3666' **To:** 3889'

Completion Data: Spud well 01-29-72. TD well @ 3930'. Selectively perf @ 3666', 3668', 3679', 3682', 3696', 3705', 3709', 3720', 3725', 3750', 3754', 3758', 3762', 3787', 3808', 3811', 3851', 3855', and 3889'. Acidize perfs from 3666' to 3889' w/ 2500 gallons. Fracture treat perfs from 3666' to 3889' w/ 40,000 gallons gel and 60,000 pounds sand. Place well on production.

Workover History:

03-31-89 MIRU. POOH w/ prod. equip. RIH w/ pkr and set @ 3648'. Test casing to 500 psi for 30 minutes. Tested good. POOH w/ pkr. RIH w/ production equipment.

10-20-94 MIRU prep sqz Penrose perfs & add Grayburg perfs. RIH w/ 4-3/4" bit & tag bottom @ 3875'. POOH w/ bit & tst TBG to 2000# - OK. Set pkr 3636' & EPIR in perfs 3666' - 3682' @ 3.5 BPM, -0- psi. Selectively isolate perfs 3695' - 3787' for communication: all perfs comm. upward. Tst PPI pkr to 1500# - OK. Perf 3860-64', 3851-56', 3832-36', 3826-31', 3819-22', 3808-11', 3802-06', 3796-98', 3790-93', 3787. Acidize each set w/ TTL 1500 gals of 15% HCL. Pressure tst PPI pkr in blank pipe to 1200# - OK. Perf 3758-62', 3750-54', 3736-40', 3720-26', 3705-09', 3696'. TTL load 93 Bbls. PPI pkr @ 3646'. Swab 5 hr. tst on perfs 3666'-3889', BFL @ 2000', EFL @ 3000'. Rec. 92 Bbls (ttl), 100% wtr. FER 12 BPH. (LAST RPT DATED 10/26/94). Dump 37 sx sd 1/3690-3908. Cmt sqz 3666-36982 w/100 sx cmt. C/O sd to 3908.

Additional Data:

T/Queen @ 3390'
T/Penrose @ 3497'
T/AGU @ 3686'
T/Grayburg Zone 1 @ 3683'
T/Grayburg Zone 2 @ 3718'
T/Grayburg Zone 3 @ 3775'
T/Grayburg Zone 4 @ 3806'
T/Grayburg Zone 5 @ 3849'
T/San Andres @ 3886'

PROPOSED WELL DATA SHEET

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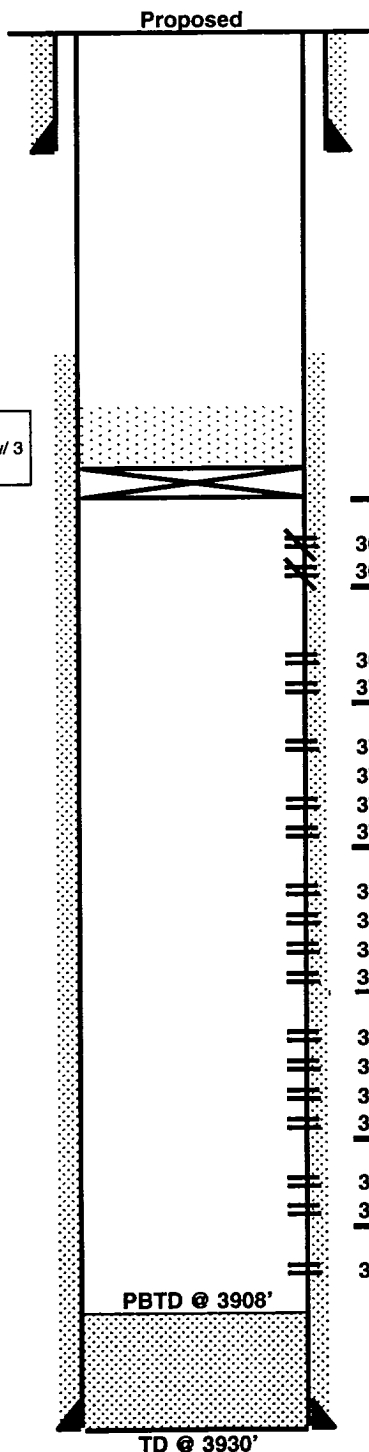
Tubing Detail: 02/01

KBTH: 13.50'

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OCD - TA-Proposal
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sx CI 'C'

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FILE: 116TA.XLS
MRV: 12/23/97
Revised: Fm Tops 01/26/95