

Lea YH state # 4
DST #1 (9049' - 9150') 1980' FSL & 990' FEL
Air Strip Bone Springs Sec 25, T18S, R34E
Lea County, New Mexico.

No analysis of the above DST #1 was made due to plugging of the tool during the second flow period. The ISIP was 3614 psi, which is in the range of pressures encountered in wells #1, #2 and #3. (See summary sheet attached; JCG 1/22/80) The pressures in the attached summary sheet are for zones that appear to be slightly lower than the zone tested in well #4. Recovery of the oil in this zone is encouraging and better correlation of this info can be made after the well has been logged.

Mauri D. Winters
3/13/80 *fls*

API Gty

Halliburton DST #1 → 35° @ 60°F
Bob Colborn w/G.I.f → 29.8° @ 68°F corr to 29.3° @ 60°F
Emulsion? We've had trouble with oil/water emulsions in the past in this area.

AIRSTRIPE BONE SPRING

Summary to date: All = 1st B.S. Pay = Upper

Lea 'YH' st. #1 Perfs ~~9334-9370~~ ^{MS = 9355}
~~9333-9396~~ OK = 9333-9396

Flowed $\approx$ 55 MBO - March '79 thru Oct. 79

On Pp. 11/20/79. 3 days Test = 255 BOPD, 22 BWPD, GOR 702

Month of Dec '79 $\frac{P_{99}}{F_{99}} = 8000 \text{ BO}, 900 \text{ BW} = \text{Avg. } 258 \text{ BOPD} \& 29 \text{ BWPP}$

Cum. Oil Production thru Dec. '79 = 66.3 MBO

(Note: Midland Mat'l Balance calculated 120 MBD Gr. Unit.)

Oil G_{ky} $\approx$ 38° API

Initial BHP (DST #2 = 9325' - 9396') = 3680 psi
MF = 9361'

Lea YH St. #2 Perfs 9292'-9350'
 MP-9321

Flowed 14.3 MBO - Oct '79 thru Dec '79

Month of Dec '79 Flowed $\approx$ 5400 BO, 80 BW = Avg. 174 BOPD, 2 1/2 BWPD

On Pp. 1/6/80 Test 1/9/80 = 213 BOPD, No Water, GOR 197

Oil Gty's = 37° API, 33° API, 37° API

Initial BHP (DST #1 = 9160' - 9360') = 3460 psig (could have included some of extremely low pressure encountered on DST #2 = 9348' - 9451')

Lea 'YH' st. #3 Perfs 9334'-9410' (= Lower Interval) (Have not yet perf.)

On DR-10 Days Testing thru TAM 1/22/80

has Flowed $\approx$ 1900 Bo

Max. Test 1/15/80 = F323 BOPD, 3 BWP @ 850[#] FTP
Last Test

Last Test

1/21/80 = F 162 BOPD, 11.0 Wtr, 142 HCF @ 650⁺
(choke plugging) w/ 368 BLWTR

Upper Interval = 9192' - 9262' w/ Initial

$$BHP = 3747 \text{ psig} \left(0.57^{\frac{1}{2}} = 9190' - 9250' \right) w/$$

possibly some depletion. Plan to add these
perfs after lower interval shows signs of dec

Two Oil Gty's $\approx 34^\circ \text{API}$ Oil is Sour $1/28 = 32.8^\circ \text{API}$

$$\text{Initial BHP (DST \#2 = 9260' - 9416')} = \underline{3851 \text{ psig}}$$
$$67\frac{1}{2} \times 212'' = 2/15/87 = 2827' 29317' (6000 \times 483)$$
$$\Delta T = 10.24 \text{ psi} = 26.6 \text{ } ^\circ\text{F} \text{ } \rho_{\text{exp}} \text{ } ^\circ\text{F}$$

Amoco FU #1 - Now PC ^{1st Bone Spring} w/old Wolfcamp

1st Bone Spring, IP F319 BOPP, BHP = 3350 psig? Word of Mouth

Now Pumping - Last Report > 200 BOPD

Apparently had good prod. from lower Bone Spring but left it to complete in 1st Bone Spring b/c Gulf's wells drained it.

FU²2 - Pumping > 200 BOPD

1/28/80/REA - Permian ran in 24" - 12,000 BO/both wells/73 Dq = 522 BO/day/both wells