

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
LEASE DENOMINATION AND SERIAL NO.
LC-032096B
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SEP 15 11 23 AM '89
7. UNIT AGREEMENT NAME
CAB AREA
8. FARM OR LEASE NAME
Lockhart B-12
9. WELL NO.
#4
10. FIELD AND POOL, OR WILDCAT
Blincy
11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
Sec 12, T-21S, R-37E
12. COUNTY OR PARISH
Dea
13. STATE
NM

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☐ DEEPEN ☐ PLUG BACK ☒

b. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐
SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
Conoco, Inc.

3. ADDRESS OF OPERATOR
P.O. Box 460 - Hobbs, NM 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 1650' FWL + 660' FWL
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
16. NO. OF ACRES IN LEASE 320 acres
17. NO. OF ACRES ASSIGNED TO THIS WELL 40 acres

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
19. PROPOSED DEPTH
20. ROTARY OR CABLE TOOLS NA

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3467' DF
22. APPROX. DATE WORK WILL START*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT

We propose to abandon the Drinkard zone and recomplete to the Blincy zone by setting a CIBP @ ±6550', then perforating, acidizing and fracturing the Blincy. See attached downhole schematics.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Coal O'Leary for W.W. Baker TITLE Administrative Supr. DATE Sept. 13, 1989

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY Orig. Signed by Shannon J. Shaw TITLE PETROLEUM ENGINEER DATE 9-20-89

CONDITIONS OF APPROVAL, IF ANY:

ELEVATION: 3467' DF

ZERO: 12' AGL

Top Salt: 1520'

Base Salt: 2670'

660' FWL @ 1650' FNL

SEC 12-1215-R37E

COMPLETION & WORKOVER HISTORY:

7-15-52: COMPLETED TD: 8202'

PERF (ELLENBURGER) 8050'-8150'

ACIDIZED W/ 500 GAL

5-29-56: INSTALL P.U.

9-3-64: SET CIBP @ ±8000' W/15' CNT CAP

PERF (ABO) 6922'-7307'

FRAC'D W/ 36,180 GAL TFW @ 21,300' SAND

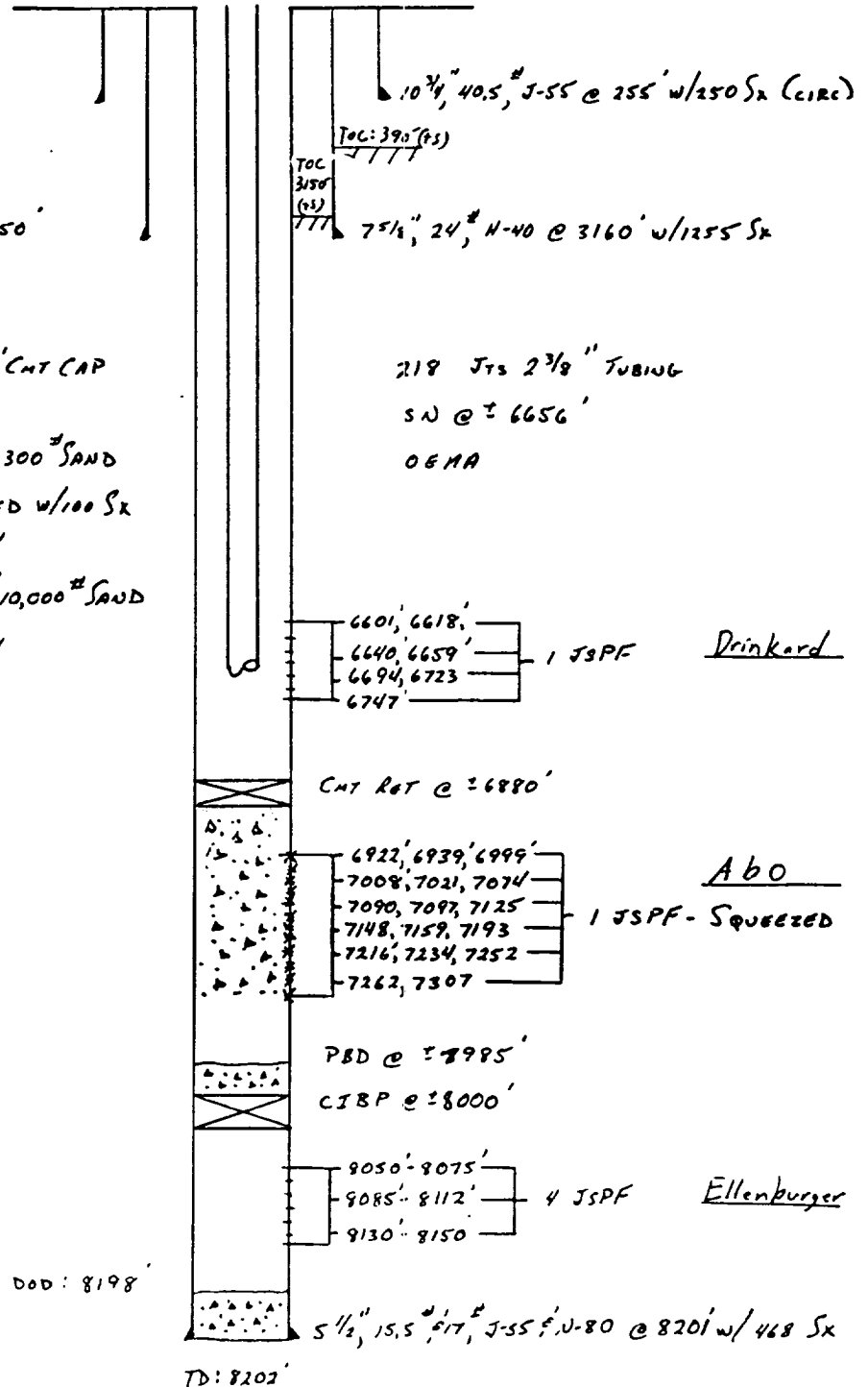
SET CNT RET. @ ±6880' & SQUEEZED W/100 SX

PERF (DRINKARD) 6601'-6747'

FRAC'D W/ 12,730 GAL CRUDE @ 10,000' SAND

5-11-81: Acid dump 500 gals 15% HCl

3-8-89: SI unrecn to service



JDV

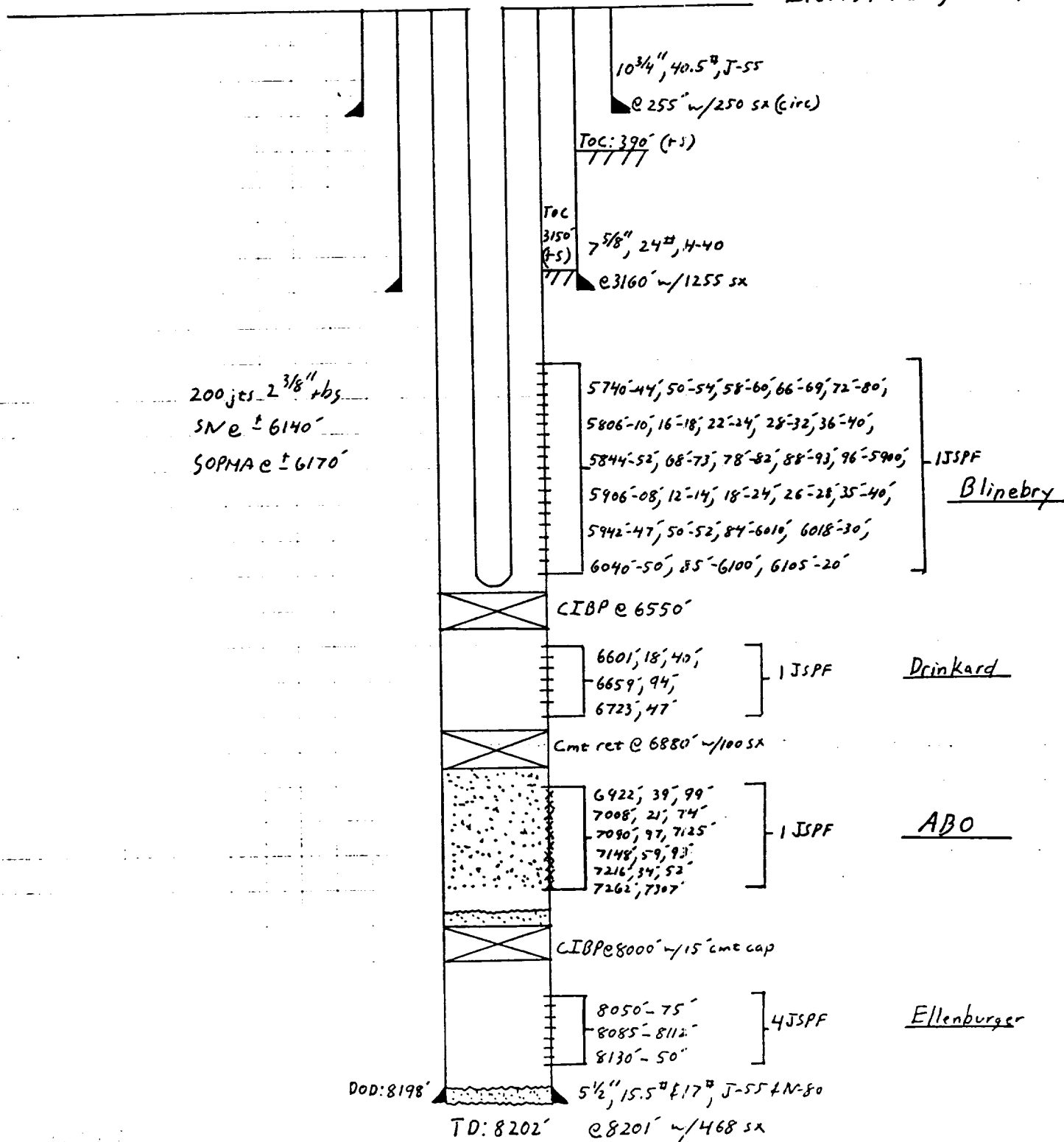
5-8-89

LOCKHART B-12 No. 4
Present

DRINKARD
N.M.

Top Salt: 1520'
Base Salt: 2670'

1650' FNL & 660' FNL
Sec 12, T-21S, R-37E
Elev: 3467' DF; 0': 12' AGL



Wade B / JDV

Conoco Inc.
Calculation Sheet

Job No.

Wade B /

8-30-89

Title Lockhart B-12 No 4
Proposed

Wade B / MMFV
Wade B / NM