

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other -----

2. Name of Operator
DEVON ENERGY CORPORATION (NEVADA)

3. Address and Telephone No.
20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 (405) 235-3611

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FSL & 1980' FEL, Unit O, Section 9-T21S-R26E, Eddy Cnty, NM

5. Lease Designation and Serial No.
NM-NM0400877

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
SW933

8. Well Name and No.
BQ 2 FEDERAL COM. #1

9. API Well No.
30-015-21389

10. Field and Pool, or Exploratory Area
Avalon (Strawn)

11. County or Parish, State
Eddy Cnty, NM

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

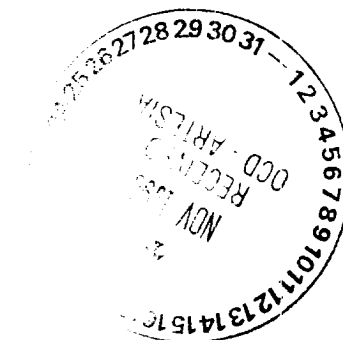
| TYPE OF SUBMISSION | TYPE OF ACTION | |
|--|---|--|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Abandonment | <input type="checkbox"/> Change of Plans |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Plugging Back | <input type="checkbox"/> Non-Routine Fracturing |
| | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Water Shut-Off |
| | <input type="checkbox"/> Altering Casing | <input type="checkbox"/> Conversion to Injection |
| | <input checked="" type="checkbox"/> Other <u>Stimulate Strawn</u> | <input type="checkbox"/> Dispose Water |

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Within the next two weeks, we plan to proceed the workover to stimulate the Strawn zone in the BQ 2 Federal Com. #1 with a binary frac job. Attached please find the following.

1. Engineer's workover procedure
2. Current well bore schematic
3. Curves of Strawn production
4. Copies of log sections
5. Strawn "A" Sand Isopach map



14. I hereby certify that the foregoing is true and correct

Signed Candace R. Graham Title Engineering Technician Date November 9, 1998

(This space for Federal or State office use)

Approved by (ORIG. SGD.) DAVID R. GLASS Title PETROLEUM ENGINEER Date NOV 16 1998

Conditions of approval, if any:

DEVON ENERGY CORPORATION
Interoffice Correspondence

7/20/98 12:15 PM

TO: Rick Clark

FROM: W.M. Frank

RE: Stimulation Prognosis
BQ-2 Federal Com #1 (DEC - 75%)
660' FSL & 1980' FEL
Section 9-T21S-R26E
Eddy County, New Mexico

Well Data: Elevation - 3294' R.K.B.
3281' GL

TD - 11,100'

PBTD - 10,145'

Perforations - 9,716-20' & 9,722-24' (12 holes) Strawn

Casing - 13-3/8" 48# H-40 @ 536' Cmt to Surface
- 8-5/8" 24# K-55 @ 2500' Cmt to Surface
- 5-1/2" 17 & 15.5#, N-80 & K-55 @ 11,096' w/1080 sx
TOC - 5010' (Temp Survey)

Packer - Baker MAX Lok-set Packer @ 9,591'
2 3/8", 4.7#, N-80, 8rd, Tubing
Capacity - 0.0039 Bpf
Displacement - 0.00171 Bpf
Burst - 11200 psig new, 8400 psig @ 75%

Procedure

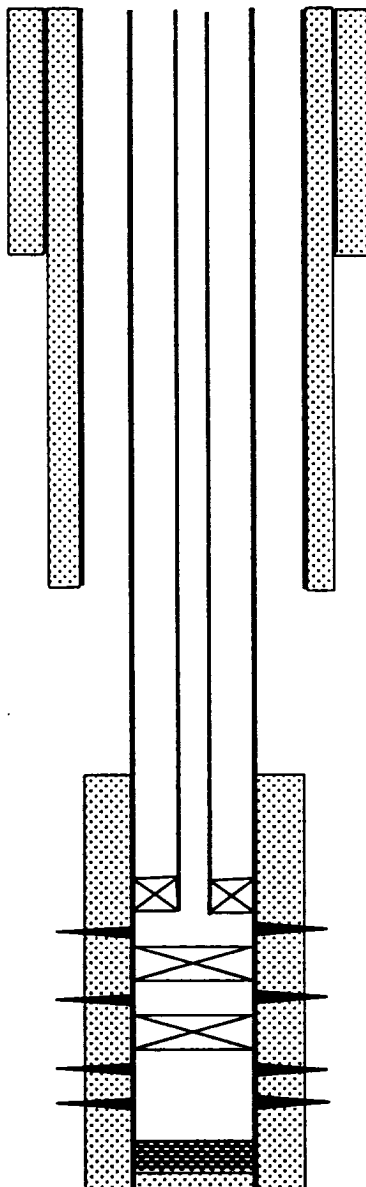
1. MIRU slickline unit. TIH w/1.5" gage ring to PBTD, POOH w/gage ring. Record PBTD depth on DOR. TIH and set plug in On/Off tool @ 9590'. Blow down tubing to test plug. Load tubing w/inhibited packer fluid. Test tubing to 1,000 psig. RDMO slickline unit and pump truck.

Page 2
BQ2 Federal #1
Stimulation Prognosis

2. MIRU DDPU and pipe racks. ND wellhead. NU BOPE.
3. Release from On/Off tool and POOH laying down 2 3/8" tubing string. Send on/off tool in for redress.
4. TIH w/redressed on/off tool picking up 2 7/8" P-105 tubing. Engage on/off tool @ $\pm 9590'$. Space out tubing. ND BOPE, NU frac tree. Load annulus w/inhibited 2% KCl. Test annulus to 1,500 psig f/30 minutes.
5. Swab fluid level in tubing down to 5,800' from surface. This should balance hydrostatic head with BHP.
6. MIRU slickline. TIH and pull plug from on/off tool. RDMO slickline and DDPU.
7. MIRU BJ Services for fracture stimulation. Frac well as per attached procedure. RDMO BJ Services.
8. Flow well back for cleanup.
9. Once well has cleaned up, MIRU slickline and set plug in on/off tool. Blow down well to test plug. Load tubing w/inhibited packer fluid. Test plug to 1,000 psig f/30 min. RDMO slickline unit.
10. ND tree and NU BOPE. Release from on/off tool and POOH laying down 2 7/8" tubing. Send on/off skirt in for redress.
11. PU redressed on/off tool skirt and TIH picking up 2 3/8" tubing. Space out tubing, ND BOPE and NU production tree.
12. Swab fluid level in tubing down to 5,800' from surface. This should balance hydrostatic head with BHP.
13. MIRU slickline. TIH and pull plug from on/off tool. RDMO slickline.
14. Flow well back to sales.

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

| | | | | | | |
|---------------------------------|-------------|--------------------------|-------------|------------------------|---------------|--------------------|
| WELL NAME: BQ2 Federal Com. #1 | | | | FIELD: Avalon (Morrow) | | |
| LOCATION: Section 9, T21S, R26E | | | | COUNTY: EDDY | | STATE: NM |
| ELEVATION: GL=3281' - KB=3294' | | | | SPUD DATE: 11/15/74 | | COMP DATE: 11/5/64 |
| API#: 30-015-21389 | | PREPARED BY: W. M. Frank | | | DATE: 5/26/98 | |
| TUBULARS | DEPTH | SIZE | WEIGHT | GRADE | THREAD | HOLE SIZE |
| CASING: | 0' - 536' | 13 3/8" | 48 | H-40 | | 17 1/2" |
| CASING: | 0' - 2500' | 8 5/8" | 24 | K-55 | ST&C | 12 1/4" |
| CASING: | 0' - 11078' | 5 1/2" | 15.5 & 17.0 | N-80 - K-55 | LT&C - XLINE | 7 7/8" |
| TUBING: | 0' - 9591' | 2 3/8" | 4.7 | N-80 | 8 rd | |
| TUBING: | | | | | | |



☒ CURRENT

☐ PROPOSED

Casing Tested to 1000 psig and held OK on 6/28/97

13 3/8" CASING, CMT'D W/560 SXS. TOP JOB CMT. TO SURFACE.

Tubing String Detail:

307 jts 2 3/8", 4.7#, N-80, 8rd, tubing

Baker L-10 On/Off tool. Minimum ID = 1.87" F Profile

Baker "MAX" Packer set @ 9591'. Minimum ID = 2.395

2 7/8" x 2 3/8" 8rd EUE Pin

2 3/8" Reentry Guide

8 5/8" CASING, CMT'D W/900 SXS. TOC @ SURFACE.

TOC @ 5010' f/TEMP SURVEY OF 12/23/74.

STRAWN PERFS: 9716 - 9720' & 9722 - 9724' w/2 spf (12 holes).

CIBP set @ 10145'

ATOKA PERFS: 10168 - 180' w/2 spf.

CIBP set @ 10770' w/30' cement on top.

ADDITIONAL PERFS (2/90): 10789-91, 846-48, 50-51, 97-903, & 920-24'

ORIGINAL PERFS: 10867, 68, 69, 70, 73, 76, 909, 11, 13, 14, 15, & 16'

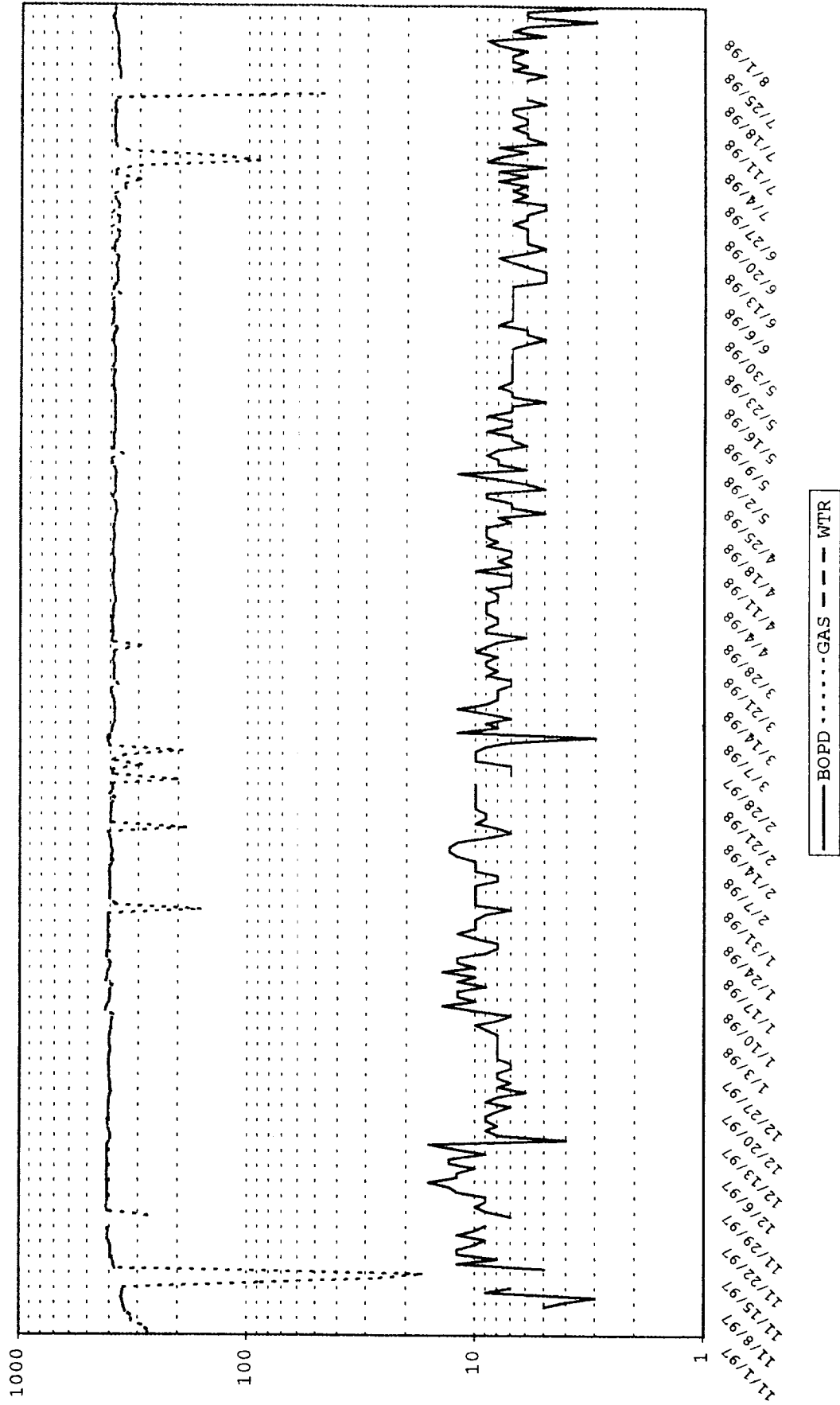
PBTD @ 10996'

TOP OF FILL @ 10924' ON 1/3/97

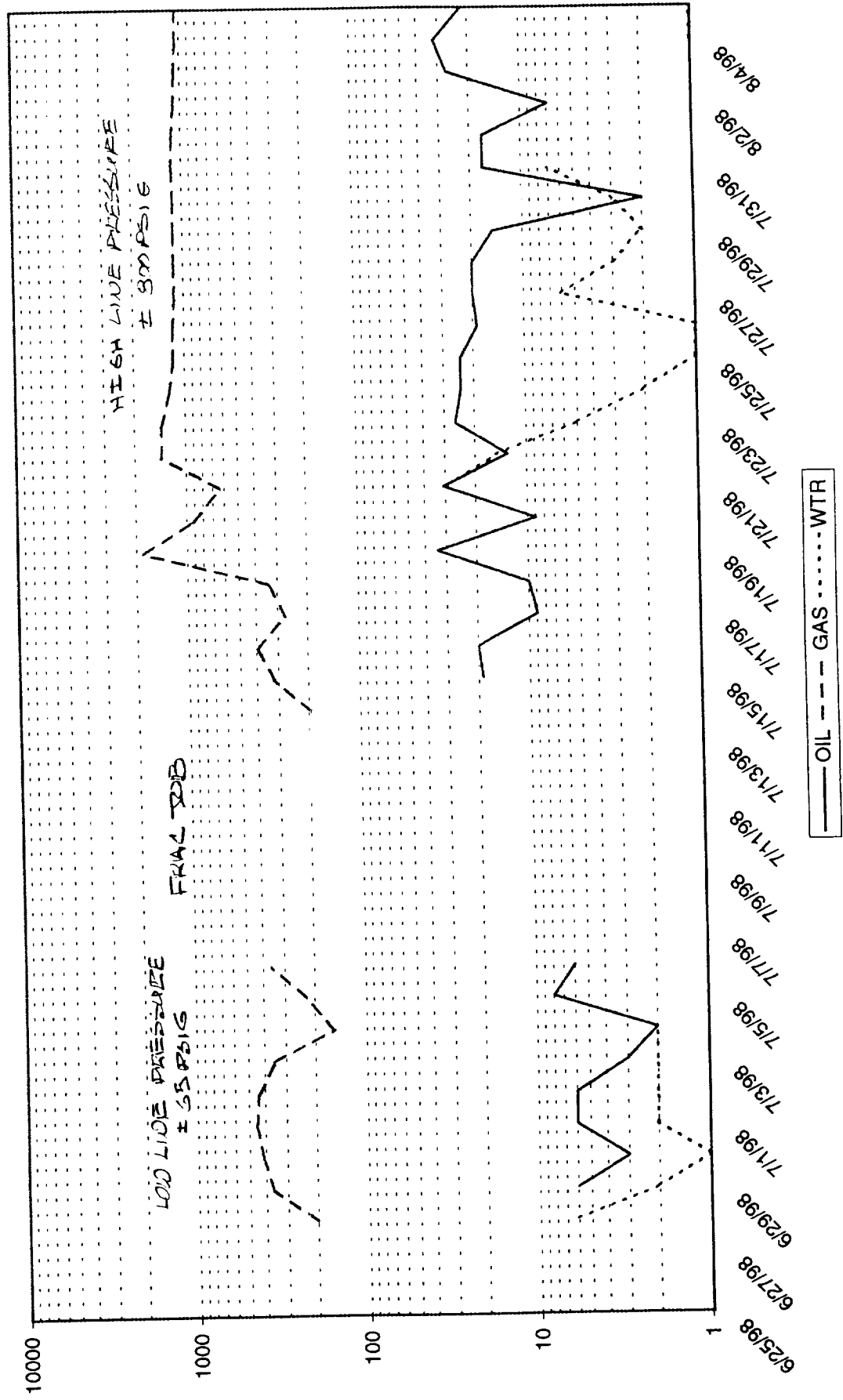
5 1/2" @ 11078'. CASING CMT'D W/1080 SXS. CMT.

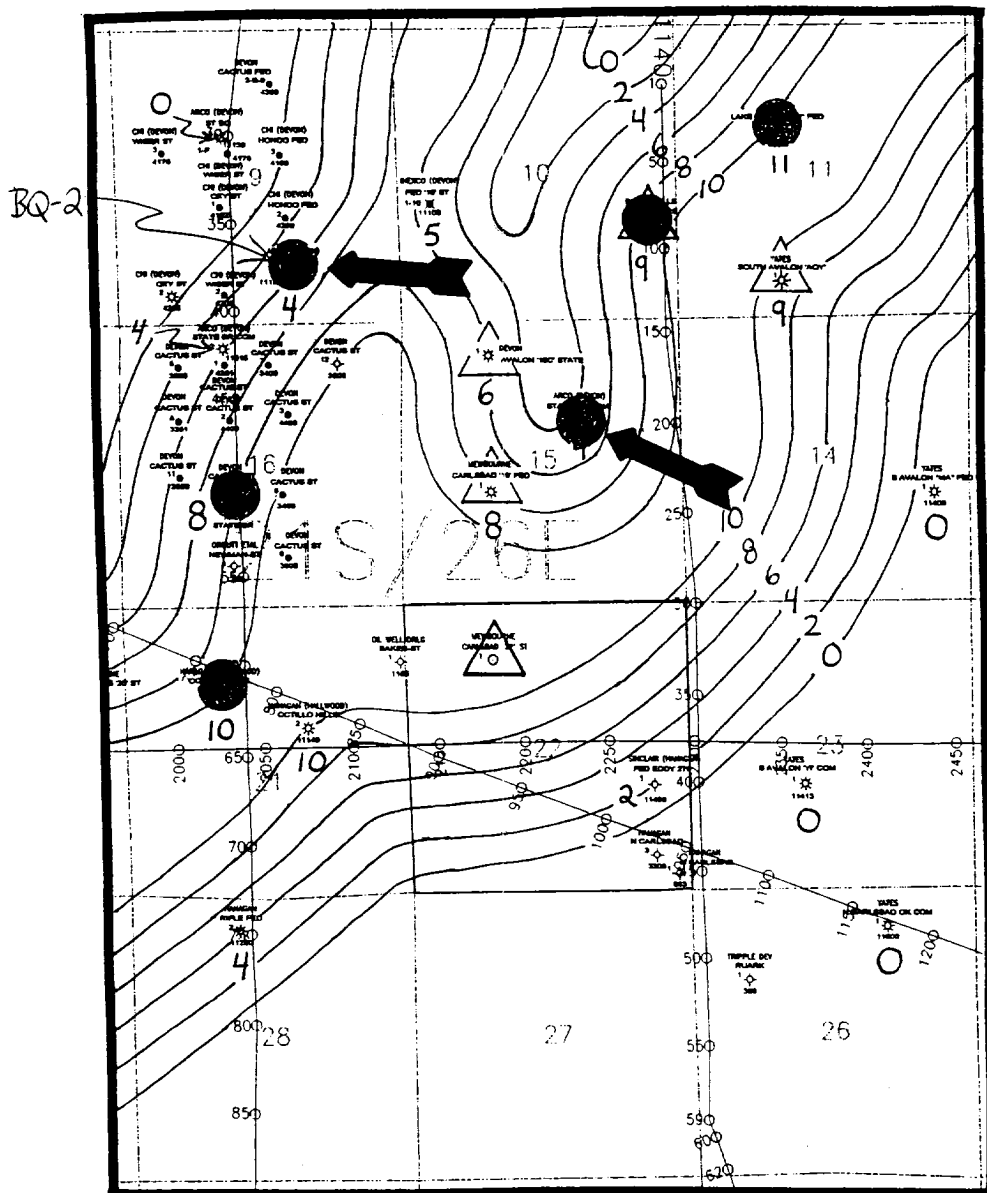
TD @ 11100'

BQ 2 Federal #1 (Strawn Production)



State BO #1 (Strawn Production)





- = WELLS PRODUCING FROM MAPPED ZONE
- △ = WELLS DRILLED WITH MAPPED ZONE AS PRIMARY OBJECTIVE (SINCE 10/97 HEARING)

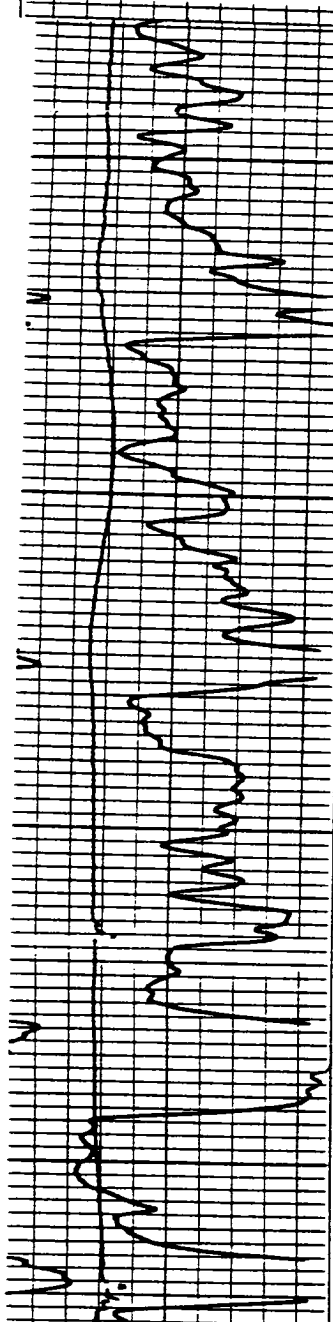
DEVON ENERGY CORPORATION

STRAWN "A" SAND
GROSS ISOPACH
(= Ft. N-D crossover)
Contour Interval = 2'

C. Davis

1" = 2000'

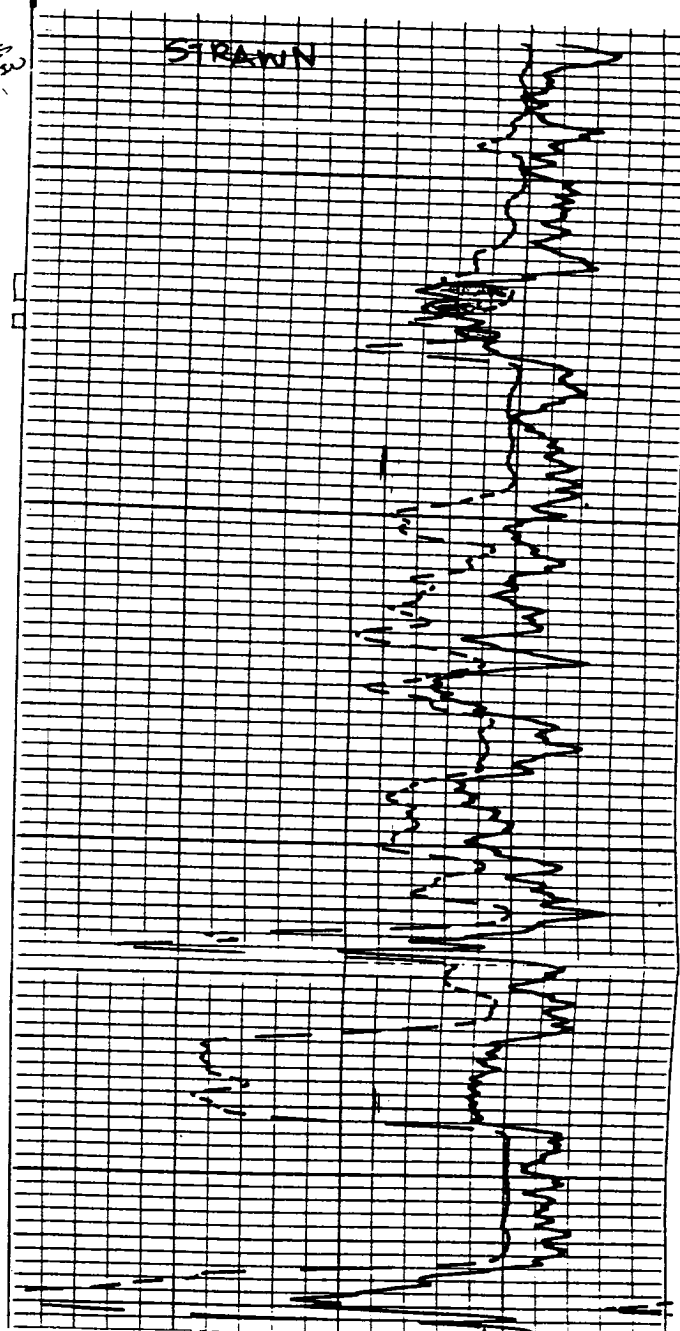
| DETAIL LOG | | |
|---------------------------------|--------|---|
| 5" = 100' | | |
| CALIPER HOLE DIAM. IN INCHES | DEPTHS | DENSITY POROSITY INDEX % LIME MATRIX |
| 6 16 | | 30 20 10 0 -10 |
| | | |
| GAMMA RAY API UNITS | | NEUTRON POROSITY INDEX % LIME MATRIX |
| 0 100 | | 30 20 10 0 -10 |
| 100 200 | | |



TO
HATES
WELL IN

9700

9800



DETAIL LOG

5" = 100'

DEPTH

RESISTIVITY

OHMS. M²/M

SHALLOW LATEROLOG - LL_s

0.2 1.0 10 100 1000

DEEP LATEROLOG - LL_d

0.2 1.0 10 100 1000

9700

9800

