

ROBERT L. BAYLESS

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OIL CONSERVATION DIVISION
RECEIVED

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August 14, 1992

Ms. Diana Fairhurst
Oil Conservation Division
1000 Rio Brazos
Aztec, NM 87410

Mr. David Catanach
Oil Conservation Division
310 Old Santa Fe Trail, Room 206
Santa Fe, NM 87504

RE: Expansion of Waterflood
Miguel Creek Field
McKinley County, New Mexico

By this letter, R.L. Bayless requests administrative approval to convert SFPRR wells No. 24, 26, 39, 41, 51, 52, and 53 to injection. These wells are currently either shut in or producing. In making this request, we have referred to Case No. 5321, Order No. R-4875 of the Commission.

A proposed wellbore diagram for each well is attached. Cement tops were calculated based on fill factors derived from wells where cement bond logs are available.

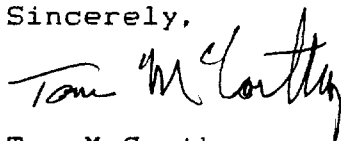
The location of each of the subject wells is shown on an attached plat. There are no offset operators that we are aware of. Accordingly, we have not notified offset mineral owners of our intent.

As can be seen in the wellbore diagrams, all proposed injection is to be conducted through 2 3/8" tubing using a packer. If injection down casing can be authorized, please advise.

We are not aware of any water, oil, or gas bearing strata above the Gallup in this area.

We will appreciate your prompt handling of this request. Please advise me of any additional information required for you to approve this request.

Sincerely,



Tom McCarthy
Petroleum Engineer

TM/tls

R.L. BAYLESS
MIGUEL CREEK FIELD

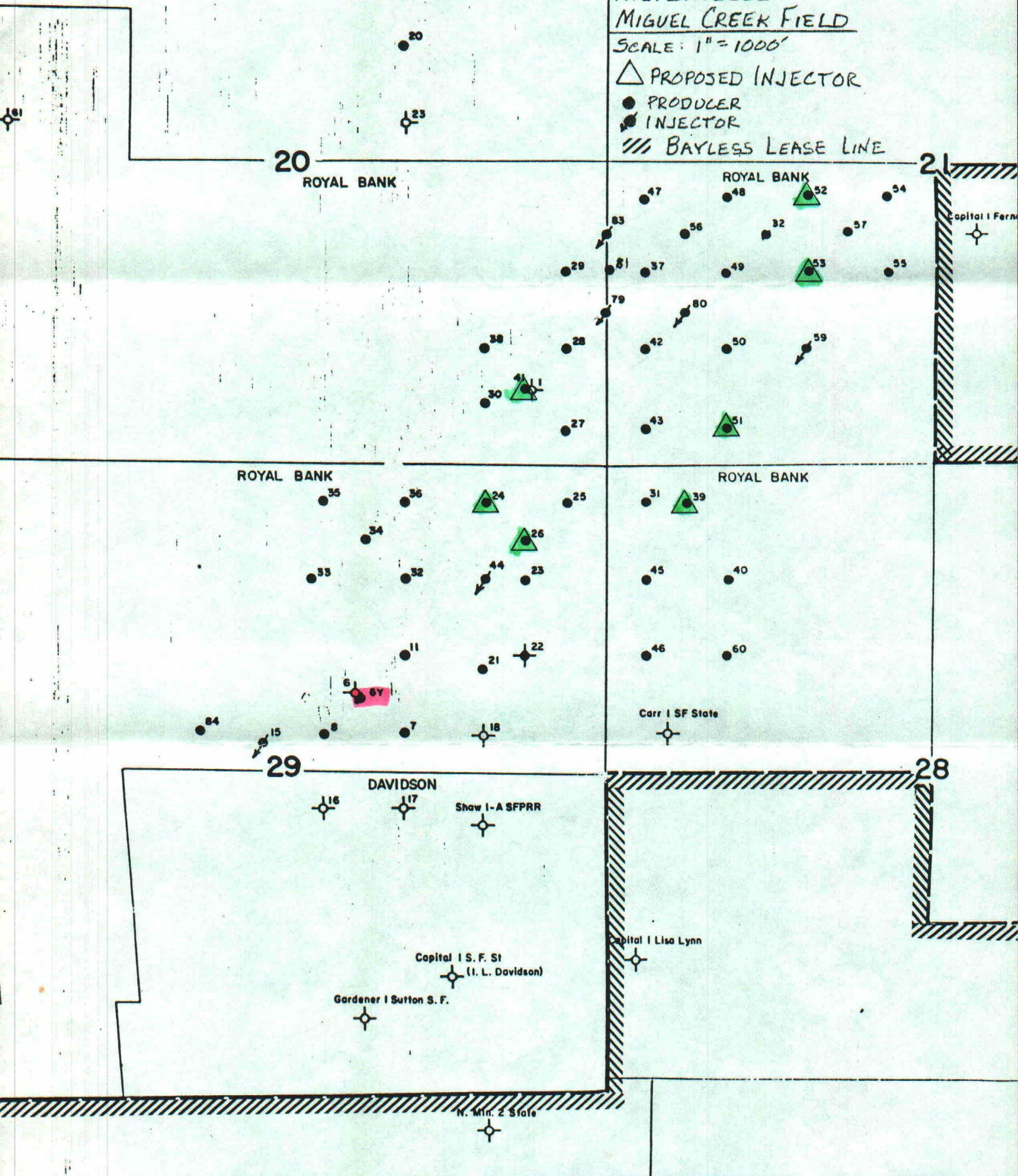
SCALE: 1" = 1000'

△ PROPOSED INJECTOR

● PRODUCER

⊙ INJECTOR

/// BAYLESS LEASE LINE



WELLBORE DIAGRAM

SFPRR NO. 24 ZENITH ENERGY CORP.
NENE SEC. 29, T16N. R6W
MCKINLEY CO., NEW MEXICO

COMP. DATE: 8/26/80

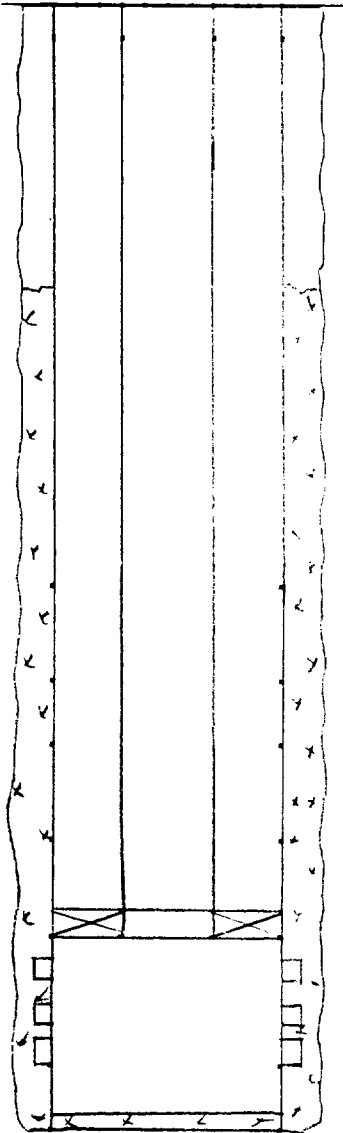
STATUS: 31

PUMPING UNIT: 10

SPR: 16

STROKE LENGTH: 12

HOURS ON / DAY: 0



TUBING TOP TO BOTTOM :

23 JTS 2 3/8" TSS	720
3N	1
HTN. STATES AD 1 PKR	4
TOTAL	725

CASING: 4.5 SET AT: 775
HOLE SIZE: 7.875
SX CHT: 175 CLASS H
CALCULATED CHT TOP: 171 FT

PERFS: 745-55,755-63,765-68'
OPEN HOLE: NA

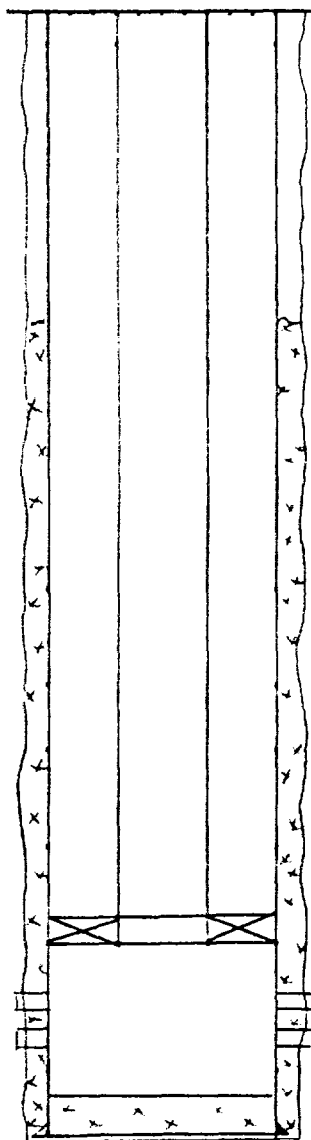
STIMULATION: FOAM FRAC

P60: 760
TD: 775

WELLBORE DIAGRAM

SFFRR NO. 26 ZENITH ENERGY CORP.
 NENE SEC. 29, T16N, R6W

HOCKINLEY CO., NEW MEXICO



COMP. DATE: 6/29/60

STATUS: SI

PUMPING UNIT: 10

SPM: 16

STROKE LENGTH: 12

HOURS ON /DAY: 0

TUBING TOP TO BOTTOM :

23 JTS 2 3/8" T66	0
SN	713
MTN. STATES AD-1	1
	4
TOTAL	718

CASING: 4.5 SET AT: 775
 HOLE SIZE: 7.675
 SX CHT: 160
 CALCULATED CHT TOP: 222 FT

PERFS: 744-47, 752-60
 OPEN HOLE: NA

STIMULATION: 250 GAL HCL

P60: 770
 TD: 775

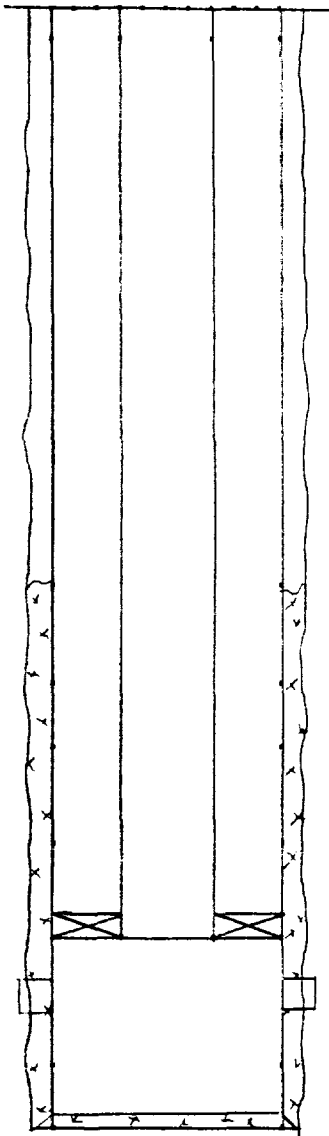
WELLSBORE DIAGRAM

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SFPRR NO. 39 CAPITOL OIL AND GAS
 NWNW SEC. 28, T16N, R6W
 MCKINLEY CO., NEW MEXICO

COMP. DATE: 10/16/81

STATUS: SI
 PUMPING UNIT: 10
 SFH: 16
 STROKE LENGTH: 12
 HOURS ON /DAY: 0



TUBING TOP TO BOTTOM :

24 JTS 2 3/8" T88	744
SN	1
HTN. STATES AD 1 PKR	4
TOTAL	749

CASING: 4.5 SET AT: 763
 HOLE SIZE: 7.875
 SX CMT: 90
 CALCULATED CMT TOP: 472 FT

PERFS: 764-773'
 OPEN HOLE: NH

STIMULATION:

PBD: 763
 TD: 764

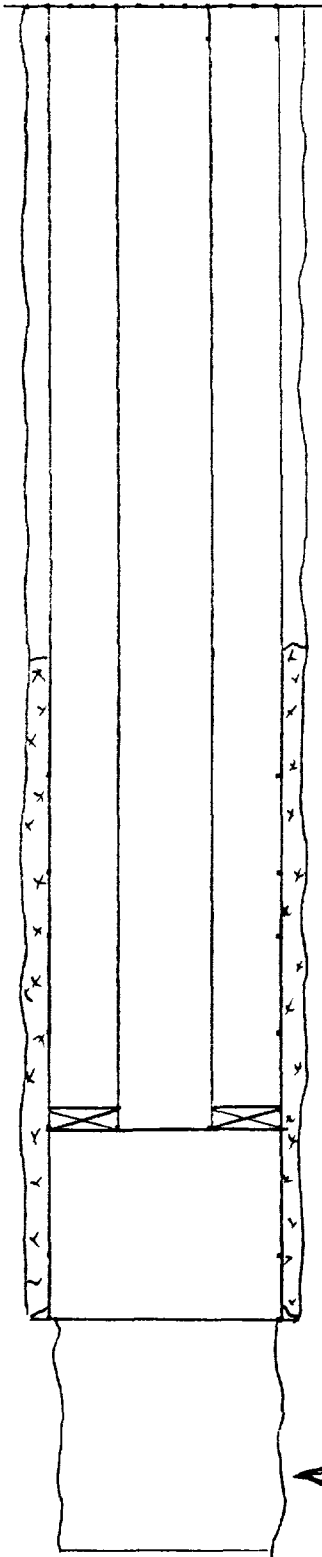
WELLBORE DIAGRAM

SPPAR NO. 41 CAPITOL OIL AND GAS
SESE SEC. 20, T16N, R6W
MCKINLEY CO., NEW MEXICO

COMP. DATE: 10/24/81

STATUS: 31
PUMPING UNIT: 10
SPM: 16
STROKE LENGTH: 12

HOURS ON /DAY: 0



TUBING TOP TO BOTTOM :

22 JTS 2 3/8" T68	682
SN	1
RTN. STATES AD 1 PACKER	4
TOTAL	687

CASING: 4.5 SET AT: 732
HOLE SIZE: 7.875
SX CMT: 90
CALCULATED CMT TOP: 421 FT

PERFS: NA
OPEN HOLE: 732-60' 4.75"

STIMULATION:

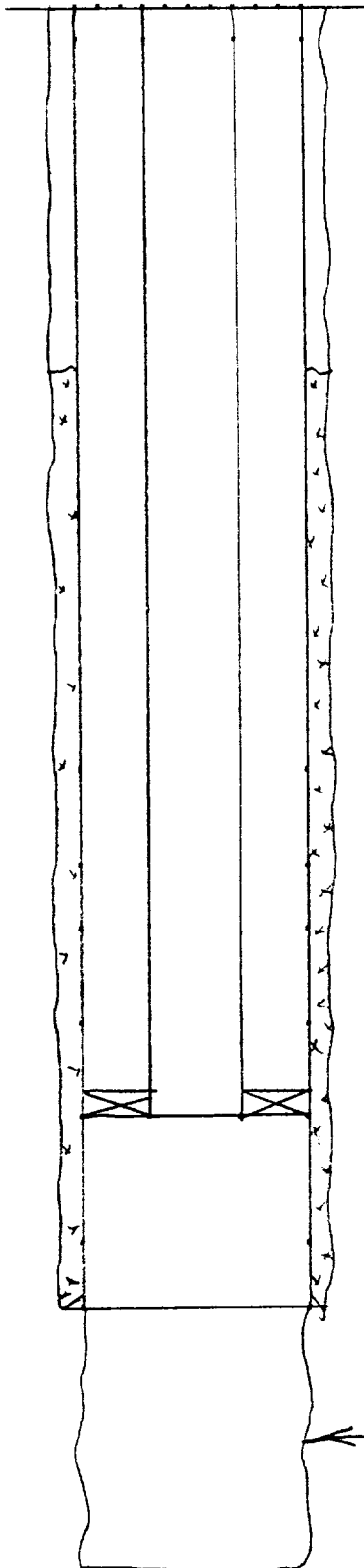
PBD: 760
TD: 760

WELLBORE DIAGRAM

SFPRR NO. 51 CAPITOL OIL AND GAS
SWSW SEC. 21, T16N, R6W
MCKINLEY CO., NEW MEXICO

COMP. DATE: 8/15/81

STATUS: 31



TUBING TOP TO BOTTOM :

24 JTS 2 3/8" T80	744
3H	1
HTN. STATES AD 1 PACKER	4
TOTAL	749

CASING:	5.5 SET AT:	760
HOLE SIZE:	7.875	
SX CRT:	125	
CALCULATED CRT TOP:	193 FT	

PERFS: NA
OPEN HOLE: 760-801'

STIMULATION:

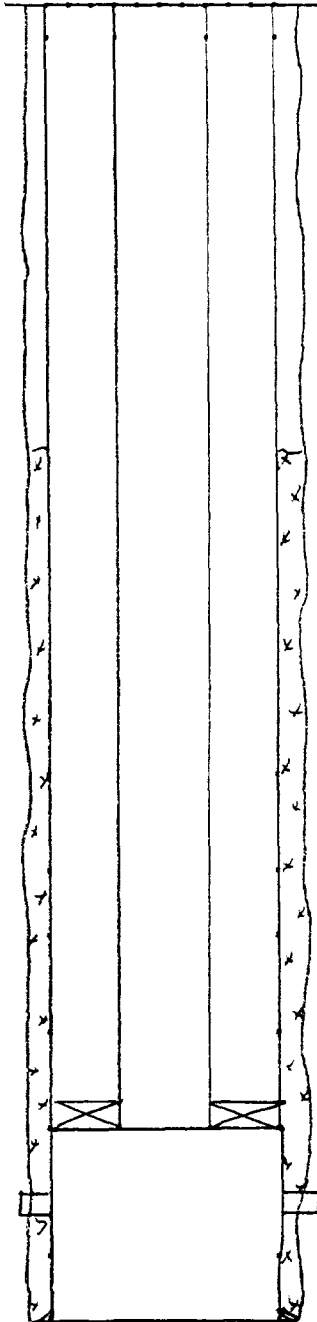
FSD:	801
TD:	801

WELLBORE DIAGRAM

SFPRR NO. 52 CAPITOL OIL AND GAS
NESH SEC. 21, T16N, R6W
MCKINLEY CO., NEW MEXICO

COMP. DATE: 10/14/81

STATUS: SI



TUBING TOP TO BOTTOM :

26 JTS 2 3/8" T88	806
SN	1
HTN. STATES AD 1 PACKER	4
TOTAL	811

CASING:	5.0 SET AT:	870
HOLE SIZE:	7.875	
SX CMT:	125	
CALCULATED CMT TOP:	303 FT	

PERFS: 849-54'
OPEN HOLE: NA

STIMULATION:

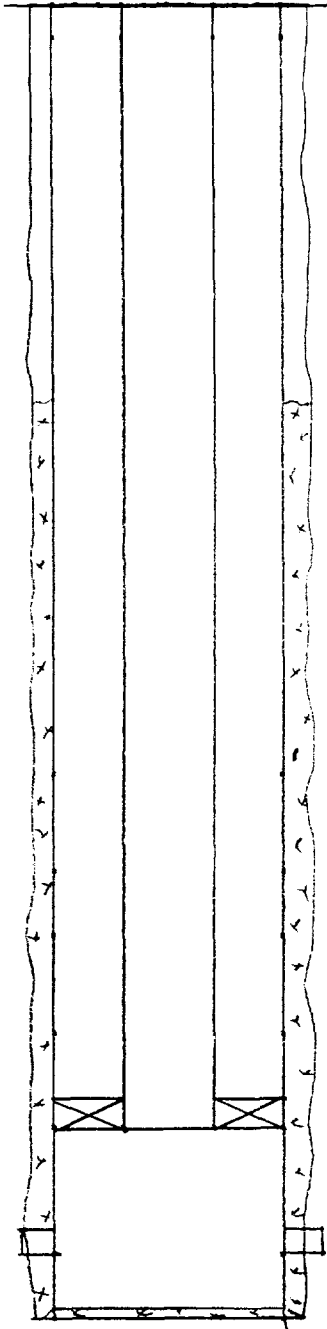
PBD:	870
TD:	870

WELLBORE DIAGRAM

SFPRR NO. 53 CAPITOL OIL AND GAS
 NESW SEC. 21, T16N, R6W
 MCKINLEY CO., NEW MEXICO

COMP. DATE: 10/10/81

STATUS: 31



TUBING TOP TO BOTTOM :

25 JTS 2 3/8" T88	775
SN	1
HTN. STATES RD 1 PACKER	4
TOTAL	780

CASING:	5.5 SET AT:	838
HOLE SIZE:	7.875	
SX CMT:	125	
CALCULATED CMT TOP:	271 FT	

PERFS: 793.5-803.5'
 OPEN HOLE: NA

STIMULATION:

PBD:	838
TD:	839