1	STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION STATE LAND OFFICE BUILDING		
2			
3	SANTA FE, NEW MEXICO		
4	13 February 1985		
5	EXAMINER HEARING		
6			
7			
8	IN THE MATTER OF:		
9	Application of Texas American Oil CASE Corporation for a waterflood pro- 8481		
10	ject, Eddy County, New Mexico.		
11			
12	BEFORE: Michael E. Stogner, Examiner		
13			
14	TRANSCRIPT OF HEARING		
15			
16	APPEARANCES		
17	For the Oil Conservation Jeff Taylor		
18	Division:  Attorney at Law  Legal Counsel to the Division		
19	State Land Office Bldg. Santa Fe, New Mexico 87501		
20	The the Applicant of Mhomes Kellshin		
21	For the Applicant:  W. Thomas Kellahin  Attorney at Law  KELLAHIN & KELLAHIN		
22	P. O. Box 2265 Santa Fe, New Mexico 87501		
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1	3		
2	MR. STOGNER: Call next Case		
3	Number 8481.		
4	MR. TAYLOR: The application of		
5	Texas American Oil Corporation for a waterflood project, Ed-		
6	dy County, New Mexico.		
7	MR. KELLAHIN: If the Examiner		
8	please, I'm Tom Kellahin of Santa Fe, New Mexico, appearing		
	on behalf of the applicant, and I have one witness to be		
9	sworn.		
10	MR. STOGNER: Are there any		
11	other appearances? There being none, please raise your		
12	right hand.		
13			
14	(Witness sworn.)		
15			
16	JAMES B. DRAPER,		
17	being called as a witness and duly sworn upon his oath,		
18	testified as follows, to-wit:		
19	DIRECT EXAMINATION		
20			
21	BY MR. KELLAHIN:		
22	Q Mr. Draper, would you please state your		
23	name and occupation?		
24	A My name is James Draper, and I work as a		
25	petroleum engineer for Texas American Oil Company, in Mid-		
	land, Texas.		

Α

1		8	
2	Q	so that we'll have cement	
3	A	that's correct.	
4	Q	all the way from surface to packer.	
5		All Right. And will you fill the space	
6	between the casing	and the tubing with some inert fluid?	
7	Α	That is correct.	
8	Q	All right.	
	A	And we will also continually monitor the	
9	backside pressure.		
10	Q	All right, sir. Let's turn to the second	
11	injector well, whic	h I have as No. 24, and have you describe	
12	if there are any	differences in the method in which this	
13	well will be converted for injection.		
14	A	No. We will do it approximately the same	
15	way.		
16		All right, sir. And if you'll turn now	
17		hich is the third injector, are there any	
18	significant differences between the completion on this well		
	-	described completions?	
19		No.	
20	Q Composite de la composite de	All right. And finally the last of the	
21	_	he No. 3. Again, are there any differ-	
22	ences for this we wells?	ll that are not described in the other	
23		No. We plan to do all four of them the	
24	A same way.	No. We plan to do all four of them the	
25	_	So let's turn now to the area map and you	

ı

casing--I'm sorry, do they have cement run across the dispo-

25

And are they producers in the --

MR. KELLAHIN: Grayburg-San An-

Q

25

1 12 2 dres? 3 0 -- San Andres or the Grayburg, or both? I think they're actually producers in the Grayburg and the San Andres and the Queen. I'll have to 5 look through here and make sure that they went through all of them. 7 0 What is their production rate at this 8 time? 9 None of the wells up there are producing 10 more than one or two barrels a day. I might give you a lit-11 tle added history. We are in the processes of winding up a 12 Queen flood in this area and it's just essentially reached 13 economic limit. 14 So there is a Queen flood presently going 15 on in this particular area and these four wells are part of 16 that as producing wells at this time. 17 Α That's correct. 18 0 However, if you start injecting in here 19 it will just be the Grayburg and the San Andres formations. 20 That's correct. And these four wells, although they are 21 presently producing, as you say, from the three zones, they 22 are classified as stripper. 23 Α Just a second. Let me -- let me double 24 something, because I think that we squeezed -- we check 25 squeezed three of those four wells off of the Oueen, so they

that's your producing well that you will be producing

```
1
                                                       14
2
    That will make up your producing well 5-spot pattern,
                                                                is
3
    that right?
                        That's correct.
4
                        What's the present location on that?
              0
                                                                 T
5
    can't very well make it out, which well that is?
                         I may have to come up there and point it
              Α
7
    out to you.
8
                        Okay, will you, please?
              0
9
              Α
                        Yes.
10
                        Do you have the footage location right
              Q
11
    now?
12
                        Yeah.
             Α
              0
                         Why don't you give me the footage
13
    tion?
14
                                  MR. KELLAHIN:
                                                 Is this it?
15
                        Yes.
                              1980 feet from the north line, 1980
16
    feet from the west line.
17
              0
                        Thank you. Okay, let's refer now to your
18
    listing of all the wells within 1/2 mile radius.
19
             Α
                        Okay.
20
                         You show some in here that's plugged and
    abandoned and you give a detailed schematic of those wells
21
    further back.
22
                        The
                             wells that are producing,
                                                         most
                                                               of
23
    them seem to be in the Seven Rivers. Well, you have some in
24
    the Jackson, and such as that.
25
                       Do you know the tops of cement in some of
```

```
1
                                                       15
2
    these?
3
                        No, I do not.
             Α
                        Could you supply me that information, be-
4
            looking through here I don't even see a hole size,
    cause
5
    casing size, and I couldn't even begin to calculate it.
6
              Α
                        Yes, sure, we --
7
                         So would you supplement this portion
              0
                                                                of
8
    this exhibit,
                  the tops of cement and the long strings,
                                                                if
9
    you would, please?
10
             Α
                        You bet.
11
                        We can supply -- we've got the scout tic-
         on those.
                       Would you like -- would that be sufficient
12
    or would you like for us to go ahead and do a volumetric
13
    calculation and --
14
                        Why don't you do a volumetric calculation
15
    or if you can show the top of cement if it was taken by tem-
16
    perature logs, put that in there, too.
17
              Α
                        Okay.
18
              0
                        This particular project will take in four
19
    leases.
             Am I correct on that?
20
              Α
                               Well, essentially that's -- that's
                        Yes.
    correct.
21
                        We carry -- we carry all of our Etz State
22
    leases as --
23
                        That's E-T-Z, is that right?
24
                        Yes. We've got them listed in our wells
              Α
25
    like it's Etz State B and Etz State C and Etz State, but I
```

I don't know to give you a really good

quired them on your wells?

25

time because we're just, you know, we're moving along as -as best we can go on it, but we're also watching the economics with oil prices, and if it turned out that the oil
price went down to the point that we didn't want to do it,
you know, we would just postpone it.

I would, as things now stand, I would anticipate that sometime within the next three to four months.

MR. STOGNER: Mr. Kellahin, Mr.

Draper, would Texas American have any objection if we wrote an order as such limiting to 0.2 psi, then obtain a higher pressure limit administratively, or do you wish to have a finding and a clause requiring you to get the step rate tests done on these four wells?

MR. KELLAHIN: I don't know what the cost is of the step rate tests, Mr. Examiner. If you're satisfied with incorporating for this adjoining property the step rate test information from Anadarko, then we'd like the increased pressure approved in this order.

If, in reviewing that information, we'll be happy to submit it to you, if you're comfortable with the adequacies of the offsetting step rate tests, then we'd be satisfied with an order that approves it up to the limitation now existing plus the condition that on these wells we test to the satisfaction of the District.

MR. STOGNER: Okay, why don't you go ahead and submit to me the additional information concerning the Anadarko wells to the north and I'll look

CERTIFICATE

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that the foregoing Transcript of Hearing before the Oil Conservation Division was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability.

Savey W. Boyd COR

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 848/ heard by me on 13 February 1985

Oil Conservation Division