1 2 3	STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO		
4	2 March 1988		
_	EXAMINER HEARING		
5			
6			
7	IN THE MATTER OF:		
8	Application of Yates Petroleum Corp- CASE oration for a unit agreement, Chaves 9317		
9	County, New Mexico.		
10			
11			
12			
13	BEFORE: Michael E. Stogner, Examiner		
14			
15			
16	TRANSCRIPT OF HEARING		
17			
	APPEARANCES		
18	AFFEARANCES		
19	For the Division:		
20			
21			
22			
23	For the Applicant: Chad Dickerson Attorney at Law		
24	DICKERSON, FISK & VANDIVER Seventh & Mahone/Suite E		
25	Artesia, New Mexico 88210		

We'll call next

MR.

STOGNER:

1

```
MR.
                                      STOGNER:
                                                 Thank you, Mr.
 1
   Szabo.
 2
                                 MR. DICKERSON: Mr. Examiner, I
3
   have two witnesses.
                                 MR. STOGNER: Will your witnes-
5
   ses please stand and be sworn at this time?
7
                         (Witnesses sworn.)
8
                                 MR. STOGNER: Mr. Dickerson.
10
11
                           KATHY COLBERT,
12
   being called as a witness and being duly sworn upon her
13
   oath, testified as follows, to-wit:
14
15
                         DIRECT EXAMINATION
16
   BY MR. DICKERSON:
17
            0
                       Ms. Colbert, will you state your name,
18
   your occupation, and by whom you're employed and in what
19
   capacity?
20
                        My name is Kathy Colbert. I'm employed
21
   by Yates Petroleum Corporation, Artesia, New Mexico, as a
22
    landman.
23
                           Colbert, you have testified before
                       Ms.
24
   this Division on numerous occasions and your qualifications
25
```

BARON FORM 25C16P3 TOLL FREE IN CALIFORNIA BOO-227-2434 NATIONWIDE BOO 2.

BARON FORM 25CIGP3 TOLL FREE IN CALIFORNIA BOO-227-2434 NATIO!

Q Okay, let me ask you to turn to Exhibit A, being the land plat attached to that unit agreement and orient Mr. Stogner with respect to the location of your Sunny Side State Unit.

A Exhibit A is a plat outlining the unit boundaries. The unit is in 10 South, Range 26 East, with one section of land being in 10, 27.

There are 29 different tracts in this outline, all State leases, being 100 percent of the unit.

Q Okay. Will you describe to the Examiner the definition of unitized substances under -- what substances are unitized under your proposed unit?

A We are requesting that all substances be classified as unitized substances and Section II of the unit agreement covers this.

Q Okay, and in what manner is production allocated among these various tracts by this unit agreement?

A Production is allocated on an acreage basis.

Q What is Yates' objective in this unit, the proposed depth of the initial test well and the formations to be tested?

A We propose to drill the well to approximate TD of 6800 feet. This will probably cut into the top of the Ordivician, the main objective being the Penn and Or-

divician.

Q Okay. Will you refer to Exhibit B to the unit agreement and tell Mr. Stogner in a little more detail certain information about the various tracts committed to the unit?

A Exhibit B to the unit agreement sets out each tract, number of acres, their expiration date; contains not only the royalty, any override, but also gives working interest as to each tract.

Q And what is the expiration date of the earliest lease expiring within this unit area?

A The first lease expires 4-1-88.

Q And is it the applicant's intention to be actually conducting drilling operations on or before the expiration of those leases?

A Yes.

Q Okay, Ms. Colbert, identify for us what we've submitted as Exhibit Number Two and tell us what that instrument is.

A Exhibit Number Two is our proposed unit operating agreement for the Sunny Side State Unit. This is an AAPL Form 610, 1977. There is an accounting procedure attached as Exhibit C to govern the joint operations.

Q And is the location of the initial test well set forth in this instrument?

A The section, township and range is set forth on Page 4. Actual footage of that location is 1980 from the north line, 660 from the west line of Section 10.

Q So the west half of Section 10 will be dedicated to the well.

A Yes.

Q Okay. Refer to Exhibit Number A-1 to this unit operating agreement, Ms. Colbert, and tell us a little bit about the working interest ownership within the unit area and the current status of commitment by the working interest owners to the Sunny Side Unit.

ment lists all the parties, total number of acres that they have in this unit outline, their percentages. At this point we have 86 percent verbally committed to this unit, being Yates Petroleum, Yates Drilling, Abo Petroleum, MYCO, and Apache.

The other parties have just been notified of changes in percentages and unit outline, what we were committing to the unit, due to the recent acquisition of seismic and new geological evaluation that happened just Friday.

So we do not have a response as yet from these other companies. They have all been offered the opportunity to join. They have been furnished with these re-

Q So your exhibit assumes these participating -- these cost factors are calculated assuming that all parties ultimately decide to join the unit, even though not all have done so at this point.

A That's correct. It's set up as if every party was going to participate because they have been offered the opportunity to join, simply because I have not had any comment to the contrary. Obviously, this would be revised should some parties not wish to join.

Q But if any revisions are necessary, they'll be done on a simple surface acreage calculation, will they not?

A Exactly the same calculation, that's right.

Q Okay. Ms. Colbert, refer to what we've submitted as Exhibit Number Three and tell Mr. Stogner what that is.

A Exhibit Number Three is a letter to the Commissioner of Public Lands describing our proposed Sunny Side State Unit and requesting their preliminary approval.

Q I notice that there is a very recent date. This delay in furnishing the information requested to the State Land Office was caused by the delay in obtaining the seismic data that you referred to earlier?

DRM 25G16P3 TOLL FREE IN CALIFORNIA 800-227-2434 NATIONWIDE

A This is correct. On Page 2, next to the last paragraph of this letter, very simply sets it out why there was a delay and why we were forced to wait until the last minute to come.

Q And prior to this meeting this morning, you met, did you not, with the staff members of the Commissioner of Public Lands and went over the submittals of the geological evidence supporting this unit?

A Yes, we did.

Q Would you request that Mr. Stogner listen to the testimony today but withhold any order pending the opportunity for the State Land Office to make a formal response to the instruments that we submitted at the meeting this morning?

A That's correct.

Q Ms. Colbert, were Exhibits One, Two, and Three parpared by you or under your direction and supervision?

A Yes, they were.

MR. DICKERSON: Mr. Stogner, move admission of Yates' Exhibits One, Two and Three at this time.

MR. STOGNER: Exhibits One, Two and Three will be admitted into evidence at this time.

MR. DICKERSON: I have no fur-

```
ther questions at this time.
1
2
                         CROSS EXAMINATION
3
4
   BY MR. STOGNER:
                      Ms. Colbert, I'd like to go back to One-A
5
      your Exhibit Number Two and have you repeat what -- what
6
   companies have just been notified again of the change?
7
8
            Α
                       Yes.
                              Of the change, this was sent out
             The
                  companies that were notified -- now Apache
   Monday.
10
   wasn't notified, however, we already have their verbal that,
   yes, they are joining the unit.
11
                      Okay, now when did you talk to Apache?
12
                       Monday. We had a representative in their
13
            Α
   office.
14
                       February 29th.
15
            Q
16
            Α
                      Yes, that's correct.
17
                       You've got a verbal on their approval.
            0
18
            Α
                      Yes.
19
                      Okay.
20
                      Marsh Operating, who is the W.
            Α
                                                        W. Cline
   interest, Texaco, Elk Oil Company, Chevron USA and Samedan
21
   Oil Corporation.
22
23
                       They had been previously sent our
24
   posed agreement and unit operating agreement back the end of
25
   January, first part of February, but, however, Monday was
```

BARON FORM 25C16P3 TOLLFREE IN CALIFORNIA BOO-227-2434 NATIONWIDE

BARON FORM 25C16P3 TOLL FREE IN CALIFORNIA 800-227-2434 NA

BARON FORM 25C16P3 TOLL FREE IN CALIFORNIA BOO-227-2434 NATIONWIDE BOO-22

BARON FORM 25C16P3 TOLL FREE IN CALIFORNIA 800-227-2434 NATIONWID

Secondary objectives could include Penn-sylvanian age alluvial sandstones, Wolfcamp dolomite porosi ty and alluvial channel sandstones within the Abo formation.

Q Ms. Bentz, will you refer to the structure map which we submitted as Yates Exhibit Number Four and describe for the Examiner what information you have shown on that map?

A Exhibit Number Four is a structural contour map. The mapping horizon is the PrePennsylvanian unconformity. The contour interval is 50 feet. The proposed unit is marked by large dashed line and the proposed location of the test well is shown.

Datum points are noted by circles and the approprite datum is listed.

The dashed/dot line reveals the termination of the Ordovician formation and the small dashed line outlines the subcrop of the Mississippian formation.

The structure map shows an area with a complex structural history. East/west faults with lateral movement bound the proposed unit on the north and south boundaries. These faults are probably related to the tectonics associated with the intrusion of the Camino del Diablo Dike. This dike is commonly known to be of Tertiary Age

in origin but probably is more of an ancestral body which was later rejuvenated during the Tertiary.

The other dominant faults, north/south in orientation, provide a parallel series of horsts and grabens. These in echelon sequence of horsts and grabens are persistent throughout Chaves County.

A complex combination of these faults provide two large structural features with significant closure. They are located within the confines of the proposed unit.

The structures are ideally located in relationship to the subcrop of the Mississippian formation.

As most of the proposed unit lies in an area where the Mississippian is normally absent, and/or the relief of the structure is sufficient, erosional stripping of the Mississippian has provided an opportunity for the dolomite in the Ordovician to be exposed to subaerial weathering and Karst topography has developed.

With the absence of the Mississippian, Pennsylvanian age shales are left immediately above the weathered terrain providing an excellent source of hydrocarbons.

The west boundary of the unit is defined by the normal subcrop of the Ordovician which marks the end of adequate reservoir rocks.

BARON FORM 25C16P3 TOLL FREE IN CALIFORNIA BOO-227-2434

25

Α

Yes.

BARON FORM 25C15P3 TOLL FREE IN CALIFORNIA 800-227-2434

A The proposed Sunny Side Unit is located between two east/west latgeral faults, which provide the north and south boundaries.

A major down to the east fault provides the eastern boundary.

The west line is defined by the subcrop of the Ordovician formation.

Within the confines of the unit two large structures have been identified. The initial test well will test the highest westernmost structure.

The test is designed to test the Ordovician formation, which is a significant reservoir to the northeast at the Foor Ranch Field.

Seismic also indicates that this initial penetration has an excellent chance for Wolfcamp production, as well.

Q Ms. Bentz, in your opinion will the approval of this application be in the interest of conservation, the prevention of waste and the protection of correlative rights?

A Yes, it will.

MR. DICKERSON: Mr. Examiner, I have no further questions of this witness.

have they had any production from any formation, that you

BARON FORM ZECIGRE TOLL FREE IN CALIFORNIA 800-227-2434 NATIONW

know of?

RON FORM 25C16P3 TOLL FREE IN CALIFORNIA BOD-227-2434

```
duces from the San Andres and there is some Queen produc-
1
2
   tion; very shallow depths.
3
                      The
                           Foor Ranch Pool I was speaking of
   produces in Section 23, 24, 25, of 9, 26, and Sections 19
4
5
   and 30, of 9, 27, so that's immediately to the northeast.
                       And some of those wells are shown in the
6
7
   upper portion, the upper righthand portion of your Exhibit
   Number Four, is that correct?
8
            Α
                      Yes.
10
            Q
                      Like the Runyan Wells No. 1 and 2 --
11
            Α
                      Right.
                      Viking State and Meredith.
            Q
12
13
            Α
                      Right.
                                I really didn't include the data
   up there because I've testified on other units, the Dragon-
14
   fly, and pretty much covered that in other units.
15
16
                      Now, the well, I guess that's the Ralph
   Lowe Humble Comanche Well, is that presently producing?
17
18
                      No, it is plugged.
19
            0
                      It is plugged. Okay, how about the Pen-
20
   jack Well No. 1?
21
                      It is an Abo producer.
            Α
22
                      Was it commercial in the Abo?
23
            Α
                         think in the long run it's
                      Ι
   going to prove to be commercial.
```

MR. STOGNER:

I have no further

BARON FORM 25CI 6P3 TOLL FREE IN CALIFORNIA 8

25

```
questions of Ms. Bentz.
1
                                 Are there any other questions
2
   of this witness?
3
                                 MR.
                                         DICKERSON:
                                                        No.
                                                               Mr.
   Examiner.
5
                                  MR.
                                       STOGNER:
                                                  She
                                                       may be ex-
6
   cused.
7
                                  Mr. Dickerson?
8
                                  MR.
                                       DICKERSON: I have nothing
9
   further, Mr. Examiner.
10
                                                Does anybody else
                                  MR. STOGNER:
11
   have anything further in this case? Mr. Cline?
12
                                  MR. CLINE: No.
13
                                  MR. STOGNER: Mr. Szabo?
14
                                  If nobody has anything further
15
    in this case before I take it under advisement I will elect
16
    to hold an order on this pending preliminary letter from the
17
    State Land Office (unclear), Mr. Dickerson.
18
                                       DICKERSON:
                                                    Be fine,
                                  MR.
                                                               Mr.
19
   Examiner.
20
                                  MR. STOGNER: If you'd see that
21
    I get a copy of that, we'll appreciate it.
22
                                  MR. DICKERSON: We will do it.
23
                                  MR. STOGNER: This case will be
24
    taken under advisement.
25
```

(Hearing concluded.)

DO

HEREBY

BOYD, C.S.R.,

CERTIFY that the foregoing Transcript of Hearing before the Oil Conservation Division (Commission) 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.

CERTIFICATE

SALLY W.

I,

Sally W. Boyd CSR

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 93/7 heard by me on 1988.

Oil Conservation Dission

		Page 1
NEW	MEXICO OIL CONSERVATION COMMISSION	
	EXAMINER HEARING	
	SANTA FE , NEW MEXICO	
Hearing Date	MARCH 2, 1988	Time:_ 8:15 A.M.
NAME	DEDDECEMENT	T OCCUPATION.
NAME/	REPRESENTING	LOCATION
Bub Hulur	Byan	Sauly 7
E. 53a/2-	826	Santa FE
J. Kellah:	~ Kelsh Kelo a Abre	•
had Duhenon	Dukinon, Frek & Vordine	Arteria
Gel Chillana	Self	Midlard
V	Yates Pet.	Artesia
Leslic Bentz	1. a Poten Carra	artesia
Kathy Collect	- yates Petroleum	
and a Polleron		
Mi Za. Ch	myself/Marik	Amusi Il
till and his.	in Myself/Marik Openity Company	
•		

		Page 2
NEW M	MEXICO OIL CONSERVATION COMMISSION	
	EXAMINER HEARING	
	SANTA FE , NEW MEXICO	
Hearing Date	MARCH 2, 1988	Time:_8:15 A.M.
NAME	REPRESENTING	LOCATION
	·	
		na veranica de la companya de la com

٠,