CASE 6992: AMOCO PRODUCTION COMPANY FOR AN NGPA DETERMINATION, LEA COUNTY, NEW MEXICO

Case No.

6992

Application

Transcripts

Small Exhibits

ETC

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

LARRY KEHOE
SECRETARY

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
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September 12, 1980

Re: CASE NO. 6992
ORDER NO. R-6454

Mr. Clyde Mote, Attorney
Amoco Production Company
Post Office Box 3092
Houston, Texas 77001

Applicant:

~~Amoco Production Company~~

Dear Sir:

Enclosed herewith are two copies of the above-referenced Division order recently entered in the subject case.

Yours very truly,

JOE D. RAMEY
Director

JDR/fd

Copy of order also sent to:

Hobbs OCD x
Artesia OCD x
Aztec OCD

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 6992
Order No. R-6454

APPLICATION OF AMOCO PRODUCTION
COMPANY FOR AN NGPA DETERMINATION,
LEA COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on August 6, 1980, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 10th day of September, 1980, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Amoco Production Company, seeks a determination by the Division, in accordance with Sections 2 (6) and 102 of the Natural Gas Policy Act of 1978, and the applicable rules of the Federal Energy Regulatory Commission, that its Anderson 3 Com Well No. 1 located in Unit R of Section 3, Township 16 South, Range 32 East, NMPM, Lea County, New Mexico, has discovered a new onshore reservoir from which natural gas was not produced in commercial quantities before April 20, 1977.

(3) That said well was completed in the Morrow formation with perforations from 12,456 feet to 12,463 feet, and a plugged-back depth of 12,585 feet after having been drilled to a total depth of 12,635 feet.

(4) That although there are several wells in the general vicinity of the subject well which have penetrated and are or were completed in the Morrow formation, pressures and productive

capacity encountered in said Anderson 3 Com Well No. 1 as compared to said wells are completely distinctive and are indicative of an undrained reservoir.

(5) That the combined geological and engineering data presented establishes that said Anderson 3 Com Well No. 1 has been completed in a new onshore reservoir as defined by the provisions of Section 102 of the Natural Gas Policy Act of 1978 and the applicable rules of the Federal Energy Regulatory Commission.

IT IS THEREFORE ORDERED:

(1) That the Anderson 3 Com Well No. 1, located in Unit R of Section 3, Township 16 South, Range 32 East, NMPM, Lea County, New Mexico, is completed in a new onshore reservoir as defined by Sections 2 (6) and 102 of the Natural Gas Policy Act of 1978, and the applicable rules of the Federal Energy Regulatory Commission.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

JOE D. RAMEY
Director

SEAL

fd/

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
STATE LAND OFFICE BLDG.
SANTA FE, NEW MEXICO
6 August 1980

EXAMINER HEARING

IN THE MATTER OF:

Application of Amoco Production Company for an NGPA determination, Lea County, New Mexico.

CASE 6992

BEFORE: Daniel S. Nutter

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Oil Conservation Division:

Ernest L. Padilla, Esq.
Legal Counsel to the Division
State Land Office Bldg.
Santa Fe, New Mexico 87501

For the Applicant:

Clyde A. Mote, Esq.
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ROBERT D. LaKOBADIERE

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MR. NUTTER: Call next Case Number 6992.

MR. MOTE: Clyde Mote for Amoco Production Company. I'll have one witness who needs to be sworn.

MR. PADILLA: Application of Amoco Production Company for an NGPA determination, Lea County, New Mexico.

(Witness sworn.)

MR. MOTE: Mr. Examiner, I'm Clyde Mote from Houston, Texas, and I think we have a letter of appearance from Atwood and Malone in this case.

ROBERT D. LaROBADIERE

being called as a witness and having been duly sworn upon his oath, testified as follows, to-wit:

DIRECT EXAMINATION

BY MR. MOTE:

Q If you would, please state your name, by whom you're employed, and in what capacity and what location?

A Robert LaRobadiere. I'm employed by Amoco Production Company in Houston, Texas, as a petroleum engineer.

Q If you would, please relate your educa-

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tional experiences.

A. I have a degree in industrial engineering from Texas Tech University in 1970. I also have a degree in mechanical engineering from the University of Houston, May of 1980.

Q. All right, would you please relate your job experiences since graduation, 1970?

A. After graduation I spent four years in the United States Air Force as an engineering officer. I then went to work with Hughes Tool Company in Houston, Texas, as a manufacturing engineer and a product design engineer for downhole drilling tools.

I then went to work with Amoco Production Company, where I've been since.

Q. Would you please relate your duties and responsibilities you've had with Amoco?

A. In the two years I've been with Amoco my initial duties were in the New Mexico area. I handled the Morrow operations, the initial completions, preparing completion briefs and making completion recommendations to the division in Houston.

Q. And you have approximately two years experience --

A. Yes.

Q. -- working with the Morrow Sand in Lea

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County, New Mexico?

A. That's correct. The last year I've been involved in our Houston Division office with Morrow development programs.

MR. MOTE: Are there any questions concerning his qualifications?

MR. NUTTER: No. Mr. LaRobadiere is considered qualified.

Q. You will now be testifying concerning four exhibits, the first four exhibits. Were these exhibits either prepared by you or under your supervision and direction?

A. Yes, they were.

Q. All right, would you please turn to Exhibit Number One and if you would discuss the legend shown down in the lower part of the exhibit.

A. Exhibit Number One is a structure map for the top of the Mid-Morrow formation, and the legend explains the pertinent wells. The orange dots on this map locate the wells that penetrated the Morrow and were commercially completed in the Morrow. The blue dots indicate wells that penetrated the Morrow that have DST or other completion data but were not completed in the Morrow commercially. The red dots are locations of wells that penetrated the Morrow that we have no test information on. The green dot, located in Section 3 in the center, is our subject well, the Anderson

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3 Com Well No. 1. The orange star located right north of the Anderson 3 is our recently drilled Anderson B Com No. 1, which is a Morrow dry hole.

Q. What's the purpose of the circle drawn on the map?

A. The circle denotes a 2-1/2 mile radius from the subject well.

Q. All right, and where is the subject well located?

A. The subject well is located 1830 feet from the south line and 1980 -- 1980 feet from the east line of Section 3, Township 16 South, Range 32 East, Lea County, New Mexico.

Q. I see a line across your map attaching certain wells, marked A-A'. Would you please explain what this is?

A. Yes. This is a cross section trace which we used to analyze our subject filing.

Q. And you'll testify later concerning that?

A. Yes, I will.

Q. All right, I also notice contour lines showing within the circle. Please explain what these are.

A. These are subsea depths based on the Mid-Morrow formation, top of the Mid-Morrow formation.

Q. All right. How many wells within 2-1/2

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miles of the subject well penetrated the Morrow?

A. There are eighteen wells.

Q. All right, of these eighteen wells, how many were completed in the Morrow in addition to the subject well?

A. We have three wells completed in the Morrow.

Q. What are those wells?

A. Those wells, again denoted by the orange dots were commercially completed, are the State 76 No. 1, That's a Sunray MidContinent Well,

Then the Conoco's Anderson Ranch Unit No. 7, and Conoco's Anderson Ranch Unit No. 3,

Q. Is that 3 or 3-A?

A. 3-A.

Q. All right. Of the fifteen remaining wells, how many performed tests in the Morrow?

A. We show five wells. These are denoted by the blue dots.

Q. And what are those wells?

A. These wells are the Anderson Ranch Unit No. 15, the Anderson Ranch Unit No. 2, the Anderson Ranch Unit No. 1, the Anderson Ranch Unit No. 8, and the State Q-15 No. 1.

Q. All right. In your review did you look at any wells outside the 2-1/2 mile radius?

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A. Yes, I did.

Q. All right. How many were those?

A. Three wells.

Q. Would you please state for the record what wells those were by name?

A. The Brown State 26 No. 1, located in the extreme north of the map by a blue dot; the West Anderson Ranch Unit No. 6, and the Emerald Unit No. 1.

Q. You recently drilled a dry hole, I believe, within the circle that you may have mentioned before. Would you please point that one out again, or --

A. Yes.

Q. -- how far it is from the subject well?

A. This well is approximately 1/2 mile from the subject well and it was drilled to the Morrow. We had no Morrow there. We are attempting a Wolfcamp completion in that well. This is the Anderson B Com No. 1.

MR. NUTTER: That's the well with the star?

A. Yes, sir.

Q. Mr. LaRobadiere, if you would, please go up to the cross section and we'll discuss that in a minute.

By the way, the one log shown in the middle there, looks like it's sort of hanging by its life there, you didn't get that until just recently, I guess.

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A. That's a recent addition to this, right. We were looking for it and we had problems obtaining the log.

Q. All right, if -- over here on the right-hand side you show an inset that has something to do with the exhibit. Please explain what that is.

A. Yes. This again is our cross section trace that is shown on our Exhibit Number One.

Q. And this exhibit is all hung on the Atoka, is that correct?

A. Yes. It is hung on the top of the Atoka.

Q. And which one of those logs is the subject well?

A. The subject well is the second log, the Anderson 3 Com.

Q. All right. Now was the spud date of the second well?

A. It was spudded May the 20th, 1979.

Q. All right, if you would, go from left to right and from A to A' and explain each one of those logs and what you found in your review.

Q. The first well is H. L. Brown, Junior, State 26 No. 1. It was spudded October the 12th, 1978. It drilled through the Morrow. We have DST information in the Morrow. They recovered no show in the Morrow. Actually the DST covered both the Morrow and the Mississippian. The well

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was subsequently drilled and abandoned on December of 1978.

The next well, as I explained before, is the Anderson 3 Com No. 1, spudded May the 20th, 1979, and drilled to a TD of 12,635 feet. This well penetrated and completed in the Morrow with an initial completion date of August, '79, and IPd for 3.8 million cubic feet of gas per day, and a bottom hole pressure survey was performed on 9 -- September the 10th, 1979, and recorded 5850 psi bottom hole pressure at 12,459 feet, or the mid-point of our perforations.

The current status of the well, it has produced 29.8 million cubic feet from the Morrow. It is presently set shut-in. The well could not buck the sales line pressure. We ran a bottom hole static pressure test, got the data as early as yesterday, 8-5-80, and where we read a 3280 psi bottom hole pressure present. The status we were waiting for, low pressure sales line contract, we may have some problems with the wellbore due to water build-up.

The second well -- the next well, which is Gulf Oil Company's Lea State CRA No. 4, this well was spudded October 7th, 1956, and penetrated the Morrow. This well we have no Morrow test data. The well was subsequently completed in the Wolfcamp, and I might point out at this time that I show these cross sections colored down here.

Colored -- any sand development on the gamma ray above 50 API would indicate the better sand development.

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You'll notice I have no color here. This is the well that indicated no potential pay zone.

MR. NUTTER: Mr. LaRobadiere, you say you have no test data on the MOrrow in there. Did they test it and you haven't been able to get the data, or they didn't test it?

A. I show no evidence that they even tested, DST or completion tests, either one.

MR. NUTTER: Now this was drilled back in 1956, is that correct?

A. That's correct.

MR. NUTTER: And at that time the Anderson Ranch was being developed in the Devonian and the Wolfcamp formations.

A. That is correct.

MR. NUTTER: And the MOrrow was not regarded as a prime target. So is there a possibility that -- looking at that log, do you think there's a possibility that well has Morrow in it?

A. We show Morrow, but I do not believe on the basis of this log, that there is potential pay, commercial pay.

MR. NUTTER: Okay, your interpretation of the log is that it's noncommercial. Okay, go ahead.

A. The next well is Gulf Oil Company's Lea

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State CR No. 2, spudded November the 14th, 1959. This well was drilled to the Devonian, penetrated the Morrow. Again I have no test data, whether DST or completion test, of any type. It was initially completed in the Devonian, then recompleted to the Wolfcamp; however, based on this log, it does show potential pay development here, but it has not been tested.

The next well is the Continental Oil Company Anderson Ranch Unit No. 15, spudded June 14th, 1954, and drilled to a TD of 13,500 feet.

We do have DST data on this interval. They recovered a slight gas show on a DST, which included the entire Morrow section, and obtained a 15 minute final shut-in pressure of 1680 psi.

The next well is Continental Oil Company Anderson Ranch Unit No. 7, spudded November the 20th, 1953, penetrated the Morrow, initially completed in the Devonian.

It was recompleted to the Morrow in April of 1971, where it became a commercial Morrow well, and the initial potential was 2.1 million cubic feet a day, and it recorded initial bottom hole pressure of 4617 psi.

To date this well has a 4 Bcf cumulative and on December of 1979 the bottom hole pressure was reported excuse me, that's the shut-in pressure was recorded -- well-head pressure was 458 psi. The bottom hole pressure in January of '80, 1980, was 615 psi. Our records show this well

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to still be producing.

MR. NUTTER: Is it producing into the same line that your well is producing into and can't buck the line pressure?

A. I don't know.

The next well is the Continental Oil Company Anderson Ranch Unit No. 3, spudded May 2nd of 1953. This well penetrated the Morrow, where we have both DST and completion data. It was initially completed in the Devonian but was recompleted to the Morrow in August of 1969, where it IPd 3.1 million cubic feet a day.

Now, we recorded the DST over this interval of 12,140 to 12,170, where they did have 6.5 Mcf per day gas, and a 2-hour final shut-in pressure of 5050 psi.

When they came back and completed here, over a correlative interval, they recorded an initial shut-in wellhead pressure of 2888 psi. Now, they did produce some condensate but all I was able to do was estimate a bottom hole pressure, and I did this based on a static column of dry gas, to obtain a minimum pressure of 5767 psi.

MR. NUTTER: What's it's cum?

A. This well recovered 86-million cubic feet of gas in the Morrow. They abandoned, went to the Wolfcamp, produced 5000 barrels of oil, and that well is now an injector.

The next well, the Continental Oil Com-

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pany Anderson Ranch Unit No. 2, we reported DST data over the Morrow interval. We don't have a gamma ray, but there is some sand development as indicated by the SP curve here. DST had the gas show. It also had a 50-minute final shut-in pressure of 3725 psi.

This well was initially completed in the Devonian, then recompleted to the Wolfcamp.

The next well is Anderson Ranch Unit No.1, Continental Oil Company, spudded June 9th, 1952, drilled to the Devonian.

We penetrated the Morrow here and we've got some interesting data here. On a DST attempt with 12,141 to 12,170 the well -- the records show the well unloaded and blew out. They evidently got it under control; however, they ran back in and the well blew out a second time on them and caught fire, and they were estimating gas volumes of 10 to 50-million cubic feet of gas. Now this was in 1952.

The records show they moved another rig on and began drilling after they got the well under control. Assumed operations and they were drilling in evidently was what they considered a safe hole after that, so we can only conclude that this was an over-pressured zone, a severely limited reservoir, and it was depleted on the blowout, because they cored two intervals right below the blowout zone, and they also did numerous DSTs below that.

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It was then completed in the Devonian.

The final well is Continental Oil Company's State Q-15 No. 1, spudded February the 7th, 1953. This well, we have both DST and completion data on. The DST over the Morrow interval, 12,383 to 463, had -- they recorded 3600 feet of distillate recovered and a 15 minute final shut-in pressure of 5400 psi.

They completed there in January of 1954 in what they reported as the Pennsylvanian but I believe it is correlative to what we were reviewing here, and they showed IP for 20 barrels of oil per day, and it was abandoned in December the 2nd, 1954.

They recompleted to the Wolfcamp for 1.4 thousand barrels of oil.

MR. NUTTER: Now when they stated they completed in the Pennsylvanian, was that in a section that's correlative to the Morrow pay in all these other wells?

A. Yes, sir, I believe it is.

MR. NUTTER: And do you have any idea on this 20 barrels of oil what the gravity was and what the characteristics of that oil were?

A. I may have it available in another exhibit I'll be submitting.

MR. NUTTER: Whether it's oil or condensate.

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A. Yes, sir.

That's the final well on my cross section.

Q. Does that complete your testimony with regard to this exhibit?

A. Yes, it does.

Q. Have a seat, Mr. LaRobadiere.

What was the purpose of this exhibit?

A. This exhibit was prepared to show the correlative intervals in the Morrow considered by us for claiming a new reservoir status of our subject well, to show the pressure and production data in the correlative Morrow intervals.

Q. All right. If you would, return, please, turn to Exhibit Number Three and explain this exhibit.

A. Exhibit Number Three is a memorandum to file which I have prepared for justification of a new reservoir for the subject well.

Q. All right. Anything further with regard to this exhibit?

A. The exhibit contains all wells used in the cross section and all wells, pertinent wells, we considered in applying for justification of a new reservoir.

Q. In other words, whether they were within or without the 2-1/2 mile radius?

A. That's correct.

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Q. All right. Turn to Exhibit Number Four, if you would, and explain this exhibit.

A. Exhibit Number Four is a compilation of all wells offsetting the Anderson 3 Com No. 1 within a 2-1/2 mile radius. It shows the well name, the operator, the location, the total depth. It shows the completion interval if the well penetrated the Morrow, the completion horizon, and also any Morrow test data.

Q. Does this contain the information that Examiner Nutter was asking about with regard to the well that's shown on the cross section?

A. No, it does not.

Q. What was the primary source of your knowledge to prepare these exhibits?

A. Scout ticket data.

Q. Do you have those scout tickets with you?

A. Yes, I do.

Q. And is that what you've designated Exhibit Number Five?

A. Yes.

Q. And do you have scout tickets as to all twenty-one wells that you've discussed in your testimony?

A. I do.

Q. Now do these scout tickets reflect the information that was requested by Examiner Nutter?

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A. They show the oil from the perforated interval 12,362 feet to 12,401 feet to be of 43.0 API.

Q. That was on what well, now?

A. This was on the State Q-15, Continental Oil Company.

MR. NUTTER: Where is that ticket in this packet?

A. It should be -- the first portion of the packet will be all wells on the cross section, so it should be approximately the tenth well down. Ninth Well down.

MR. NUTTER: And what well are we looking for, the State Q --

A. State Q-15 Well No. 1.

MR. NUTTER: Maybe you can find it for me in this packet. Okay, now where do we have that information again on the gravity?

A. It should be in the section titled initial potential, approximately in the middle of the page.

MR. NUTTER: Boy, I don't know your scout tickets.

A. Below, it's right below the tops and bases.

MR. NUTTER: Okay, the first set of perforations is 98-something.

A. Yes.

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MR. NUTTER: Is that it?

A. That's the Wolfcamp completion.

MR. NUTTER: All right, then you have perforations 12-something to 12,401?

A. That's correct. 12,362 to 12,401.

MR. NUTTER: And that's that Morrow interval there.

A. Yes, sir.

MR. NUTTER: With 43 gravity oil. Well, that would appear that that is real oil, then, and not condensate from that gravity, wouldn't it?

A. Yes, sir, it does appear so.

MR. NUTTER: Is there anything here on the GOR?

A. They recorded --

MR. NUTTER: Okay, here it is, GOR of TSTM, it looks like.

A. They don't record it.

MR. NUTTER: Okay, go ahead.

Q. Did you use all the information reasonably available to you to make your study?

A. Yes, I did.

Q. Are you of the opinion that the Anderson 3 Com No. 1 Well was completed in a new onshore reservoir, as defined in Section 102 of the NGPA?

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A. Yes, I am.

Q. Are you of the opinion that such reservoir did not produce in commercial quantities prior to April 20th, 1977?

A. Yes.

Q. Are you of the opinion that such reservoir has not been penetrated before April 20th, 1977?

A. Yes.

Q. Summarize briefly the basis for your opinion.

A. In summary, the pressure and production data shown conclusively indicates that, first of all, this reservoir is at a higher virgin pressure than any encountered in any other field well; and second, even though the remainder of the field wells are in a depleted state, the subject well is not in communication with the other wells.

Q. Does this complete your testimony?

A. Yes.

MR. MOTE: Mr. Examiner, we would like to offer at this time the Exhibits One through Five into evidence.

MR. NUTTER: Amoco's Exhibits One through Five will be admitted in evidence.

MR. MOTE: In addition to that, the Director has requested an additional affidavit, applicant's sworn state-

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ment, and we apparently left the phrase out of that statement when we filed for an administrative application for 103 determination.

I'd like to file that as Exhibit Number Six, if I may.

MR. NUTTER: That will be fine.

MR. MOTE: This is an affidavit by Earl E. Morris for Amoco Production Company. It's dated July 31st, 1980.

Now, Examiner Nutter, I, being unfamiliar with what you required in these cases before, we have for you a full packet of all of the information which has previously been furnished for an administrative determination. If you'd like, we have three copies, three full copies of all of that if you'd like to have it, or it may just clutter up your file.

MR. NUTTER: I think we've still got the originals in the file so we wouldn't need duplicates.

MR. MOTE: Thank you.

MR. NUTTER: But we will need all this, however.

MR. MOTE: All right. Mr. Examiner, it's our opinion that based on the best expert advice available, the Anderson 3 Com No. 1 Well was completed in a new onshore reservoir and we believe that evidence conclusively establishes this fact, and this concludes our case.

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CROSS EXAMINATION

BY MR. NUTTER:

Q. Mr. LaRobadiere, you stated in summary that you believe the pressure information particularly shows that you have a new and separate reservoir from these others.

Now, on your Exhibit Number One, you have depicted this 2-1/2 mile circle and shown a bunch of wells that penetrated the Morrow. Now, of those wells, as I understand it, besides the subject well, only three wells have been completed as commercial wells in the Morrow, is that it?

A. That's correct.

Q. And the first one would be this Sunray Well, which is up here on this dotted line.

A. That's correct.

Q. What, by the way, is that dotted line?

A. I don't know.

Q. All right, and just by looking at proximity geology, that well would be separated from the subject well by two wells, maybe three wells, that don't produce commercial quantities from the Morrow.

A. Yes, sir.

Q. Then the next well that has commercial production in the Morrow would be the Anderson Ranch No. 7 in

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the south part of Section 2.

A. Yes.

Q. And that well, by proximity geology, would be separated from the subject well by a line drawn between two non-productive wells in the Morrow?

A. By a line between the two, yes, yes, yes, sir.

Q. The two blue wells there.

A. Yes, sir.

Q. And then, of course, the third well that's productive is the No. 3 down in Section 11, and that's also separated by non-productive wells from the subject well.

A. That is correct.

Q. So you've not only go t the pressure information, but this proximity geology, or continuous pay, seems to not exist.

A. That is our --

Q. From your productive well to these other productive wells.

A. Yes, sir, that's our impression, also.

MR. NUTTER: Are there any further questions of the witness?

MR. PADILLA: I'd like to ask one.

CROSS EXAMINATION

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BY MR. PADILLA:

Q. Sir, I'm curious as to why you drew a 2-1/2 mile radius circle here.

The reason I ask this question is because for new onshore reservoir determinations FERC has been confused as to why the 2-1/2 mile radius circle is used on -- on a new onshore determination.

MR. MOTE: Let me answer that question. We've attended a hearing here about two weeks ago, I think, and one of the Examiner's questions was whether or not all wells within 2-1/2 miles had been considered. So this 2-1/2 mile radius was placed on there at my request, because I thought that it was some benefit to the Commission, even though we realize that the 2-1/2 mile limit was really of no consequence, in making a determination of Section 102, onshore well determination.

MR. PADILLA: Nothing further.

MR. NUTTER: Are there any other questions of the witness? He may be excused.

Do you have anything further, Mr. Mote?

MR. MOTE: No, sir.

MR. NUTTER: Does anyone have anything further they wish to offer in Case Number 6992?

We'll take the case under advisement.

(Hearing concluded.)

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C E R T I F I C A T E

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.

Sally W. Boyd C.S.R.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 6993 heard by me on 8/6 1980.

_____, Examiner
Oil Conservation Division

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STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
STATE LAND OFFICE BLDG.
SANTA FE, NEW MEXICO

6 August 1980

EXAMINER HEARING

IN THE MATTER OF:

Application of Amoco Production Company for an NGPA determination, Lea County, New Mexico.

CASE 6992

BEFORE: Daniel S. Nutter

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Oil Conservation Division: Ernest L. Padilla, Esq.
Legal Counsel to the Division
State Land Office Bldg.
Santa Fe, New Mexico 87501

For the Applicant: Clyde A. Mote, Esq.
Amoco Production Company
P. O. Box 3092
Houston, Texas 77001

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ROBERT D. LaROBADIERE

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MR. NUTTER: Call next Case Number 6992.

MR. MOTE: Clyde Mote for Amoco Production Company. I'll have one witness who needs to be sworn.

MR. PADILLA: Application of Amoco Production Company for an NGPA determination, Lea County, New Mexico.

(Witness sworn.)

MR. MOTE: Mr. Examiner, I'm Clyde Mote from Houston, Texas, and I think we have a letter of appearance from Atwood and Malone in this case.

ROBERT D. LaROBADIERE

being called as a witness and having been duly sworn upon his oath, testified as follows, to-wit:

DIRECT EXAMINATION

BY MR. MOTE:

Q. If you would, please state your name, by whom you're employed, and in what capacity and what location?

A. Robert LaRobadiere. I'm employed by Amoco Production Company in Houston, Texas, as a petroleum engineer.

Q. If you would, please relate your educa-

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tional experience.

A I have a degree in industrial engineering from Texas Tech University in 1970. I also have a degree in mechanical engineering from the University of Houston, May of 1980.

Q All right, would you please relate your job experiences since graduation, 1970?

A After graduation I spent four years in the United States Air Force as an engineering officer. I then went to work with Hughes Tool Company in Houston, Texas, as a manufacturing engineer and a product design engineer for downhole drilling tools.

I then went to work with Amoco Production Company, where I've been since.

Q Would you please relate your duties and responsibilities you've had with Amoco?

A In the two years I've been with Amoco my initial duties were in the New Mexico area. I handled the Morrow operations, the initial completions, preparing completion briefs and making completion recommendations to the division in Houston.

Q And you have approximately two years experience --

A Yes.

Q -- working with the Morrow Sand in the

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County, New Mexico?

A. That's correct. The last year I've been involved in our Houston Division office with Morrow development programs.

MR. MOTE: Are there any questions concerning his qualifications?

MR. NUTTER: No. Mr. LaRobadiere is considered qualified.

Q. You will now be testifying concerning four exhibits, the first four exhibits. Were these exhibits either prepared by you or under your supervision and direction?

A. Yes, they were.

Q. All right, would you please turn to Exhibit Number One and if you would discuss the legend shown down in the lower part of the exhibit.

A. Exhibit Number One is a structure map for the top of the Mid-Morrow formation, and the legend explains the pertinent wells. The orange dots on this map locate the wells that penetrated the Morrow and were commercially completed in the Morrow. The blue dots indicate wells that penetrated the Morrow that have DST or other completion data but were not completed in the Morrow commercially. The red dots are locations of wells that penetrated the Morrow that we have no test information on. The green dot, located in Section 3 in the center, is our subject well, the Anderson

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3 Com Well No. 1. The orange star located right north of the Anderson 3 is our recently drilled Anderson B Com No. 1, which is a Morrow dry hole.

Q What's the purpose of the circle drawn on the map?

A The circle denotes a 2-1/2 mile radius from the subject well.

Q All right, and where is the subject well located?

A The subject well is located 1830 feet from the south line and 1980 -- 1980 feet from the east line of Section 3, Township 16 South, Range 32 East, Lea County, New Mexico.

Q I see a line across your map attaching certain wells, marked A-A'. Would you please explain what this is?

A Yes. This is a cross section trace which we used to analyze our subject filing.

Q And you'll testify later concerning that?

A Yes, I will.

Q All right, I also notice contour lines showing within the circle. Please explain what these are.

A These are subsea depths based on the Mid-Morrow formation, top of the Mid-Morrow formation.

Q All right. How many wells within 2-1/2

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miles of the subject well penetrated the Morrow?

A. There are eighteen wells.

Q. All right, of these eighteen wells, how many were completed in the Morrow in addition to the subject well?

A. We have three wells completed in the Morrow.

Q. What are those wells?

A. Those wells, again denoted by the orange dots were commercially completed, are the State 76 No. 1. That's a Sunray MidContinent Well.

Then the Conoco's Anderson Ranch Unit No. 7, and Conoco's Anderson Ranch Unit No. 3.

Q. Is that 3 or 3-A?

A. 3-A.

Q. All right. Of the fifteen remaining wells, how many performed tests in the Morrow?

A. We show five wells. These are denoted by the blue dots.

Q. And what are those wells?

A. These wells are the Anderson Ranch Unit No. 15, the Anderson Ranch Unit No. 2, the Anderson Ranch Unit No. 1, the Anderson Ranch Unit No. 8, and the State Q-15 No.1.

Q. All right. In your review did you look at any wells outside the 2-1/2 mile radius?

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A. Yes, I did.

Q. All right. How many were those?

A. Three wells.

Q. Would you please state for the record what wells those were by name?

A. The Brown State 26 No. 1, located in the extreme north of the map by a blue dot; the West Anderson Ranch Unit No. 6, and the Emerald Unit No. 1.

Q. You recently drilled a dry hole, I believe, within the circle that you may have mentioned before. Would you please point that one out again, or --

A. Yes.

Q. -- how far it is from the subject well?

A. This well is approximately 1/2 mile from the subject well and it was drilled to the Morrow. We had no Morrow there. We are attempting a Wolfcamp completion in that well. This is the Anderson B Com No. 1.

MR. NUTTER: That's the well with the star?

A. Yes, sir.

Q. Mr. LaRobadiere, if you would, please go up to the cross section and we'll discuss that in a minute.

By the way, the one log shown in the middle there, looks like it's sort of hanging by its life there, you didn't get that until just recently, I guess.

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A. That's a recent addition to this, right. We were looking for it and we had problems obtaining the log.

Q. All right, if -- over here on the right-hand side you show an inset that has something to do with the exhibit. Please explain what that is.

A. Yes. This again is our cross section trace that is shown on our Exhibit Number One.

Q. And this exhibit is all hung on the Atoka, is that correct?

A. Yes. It is hung on the top of the Atoka.

Q. And which one of those logs is the subject well?

A. The subject well is the second log, the Anderson 3 Com.

Q. All right. Now was the spud date of the second well?

A. It was spudded May the 20th, 1979.

Q. All right, if you would, go from left to right and from A to A' and explain each one of those logs and what you found in your review.

Q. The first well is H. L. Brown, Junior, State 26 No. 1. It was spudded October the 12th, 1978. It drilled through the Morrow. We have DST information in the Morrow. They recovered no show in the Morrow. Actually the DST covered both the Morrow and the Mississippian. The well

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was subsequently drilled and abandoned on December of 1978.

The next well, as I explained before, is the Anderson 3 Com No. 1, spudded May the 20th, 1979, and drilled to a TD of 12,635 feet. This well penetrated and completed in the Morrow with an initial completion date of August, '79, and IPd for 3.8 million cubic feet of gas per day, and a bottom hole pressure survey was performed on 9 -- September the 10th, 1979, and recorded 5850 psi bottom hole pressure at 12,459 feet, or the mid-point of our perforations.

The current status of the well, it has produced 29.8 million cubic feet from the Morrow. It is presently set shut-in. The well could not buck the sales line pressure. We ran a bottom hole static pressure test, got the data as early as yesterday, 8-5-80, and where we read a 3280 psi bottom hole pressure present. The status we were waiting for, low pressure sales line contract, we may have some problems with the wellbore due to water build-up.

The second well -- the next well, which is Gulf Oil Company's Lea State CRA No. 4, this well was spudded October 7th, 1956, and penetrated the Morrow. This well we have no Morrow test data. The well was subsequently completed in the Wolfcamp, and I might point out at this time that I show these cross sections colored down here.

Colored -- any sand development on the gamma ray above 50 API would indicate the better sand development.

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You'll notice I have no color here. This is the well that indicated no potential pay zone.

MR. NUTTER: Mr. LaRobadiere, you say you have no test data on the MOrrow in there. Did they test it and you haven't been able to get the data, or they didn't test it?

A. I show no evidence that they even tested, DST or completion tests, either one.

MR. NUTTER: Now this was drilled back in 1956, is that correct?

A. That's correct.

MR. NUTTER: And at that time the Anderson Ranch was being developed in the Devonian and the Wolfcamp formations.

A. That is correct.

MR. NUTTER: And the MOrrow was not regarded as a prime target. So is there a possibility that -- looking at that log, do you think there's a possibility that well has Morrow in it?

A. We show Morrow, but I do not believe on the basis of this log, that there is potential pay, commercial pay.

MR. NUTTER: Okay, your interpretation of the log is that it's noncommercial. Okay, go ahead.

A. The next well is Gulf Oil Company's Lea

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State CR No. 2, spudded November the 14th, 1959. This well was drilled to the Devonian, penetrated the Morrow. Again I have no test data, whether DST or completion test, of any type. It was initially completed in the Devonian, then recompleted to the Wolfcamp; however, based on this log, it does show potential pay development here, but it has not been tested.

The next well is the Continental Oil Company Anderson Ranch Unit No. 15, spudded June 14th, 1954, and drilled to a TD of 13,500 feet.

We do have DST data on this interval. They recovered a slight gas show on a DST, which included the entire Morrow section, and obtained a 15 minute final shut-in pressure of 1680 psi.

The next well is Continental Oil Company Anderson Ranch Unit No. 7, spudded November the 20th, 1953, penetrated the Morrow, initially completed in the Devonian.

It was recompleted to the Morrow in April of 1971, where it became a commercial Morrow well, and the initial potential was 2.1 million cubic feet a day, and it recorded initial bottom hole pressure of 4617 psi.

To date this well has a 4 Bcf cumulative and on December of 1979 the bottom hole pressure was reported -- excuse me, that's the shut-in pressure was recorded -- wellhead preasure was 458 psi. The bottom hole pressure in January of '80, 1980, was 615 psi. Our records show this well

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[illegible] well penetrated the Morrow, which we have found not to be productive of commercial quantities of gas. It was tentatively completed in the Morrow on May 11, 1983, and flowed 1.1 million cubic feet a day.

Now, we recommend the new pool rules include a designated interval of 12,140 to 12,170, where they did have a 4-1 DST and a 2-hour final shut-in pressure of 4960 psi. When they came back and completed their wellbead pressure of 4960 psi. [illegible] over a correlative interval, they encountered an initial shut-in bole pressure, and I did not want to [illegible] gas, to obtain a maximum pressure of 5367 psi.

[illegible]

[illegible]

pany Anderson Ranch Unit No. 2, we reported DST data over the Morrow interval. We don't have a gamma ray, but there is some sand development as indicated by the SP curve here. DST had the gas show. It also had a 50-minute final shut-in pressure of 3725 psi.

This well was initially completed in the Devonian, then recompleted to the Wolfcamp.

The next well is Anderson Ranch Unit No.1, Continental Oil Company, spudded June 9th, 1952, drilled to the Devonian.

We penetrated the Morrow here and we've got some interesting data here. On a DST attempt with 12,141 to 12,170 the well -- the records show the well unloaded and blew out. They evidently got it under control; however, they ran back in and the well blew out a second time on them and caught fire, and they were estimating gas volumes of 10 to 50-million cubic feet of gas. Now this was in 1952.

The records show they moved another rig on and began drilling after they got the well under control. Assumed operations and they were drilling in evidently was what they considered a safe hole after that, so we can only conclude that this was an over-pressured zone, a severely limited reservoir, and it was depleted on the blowout, because they cored two intervals right below the blowout zone, and they also did numerous DSTs below that.

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It was then completed in the Devonian.

The final well is Continental Oil Company's State Q-15 No. 1, spudded February the 7th, 1953. This well, we have both DST and completion data on. The DST over the Morrow interval, 12,383 to 463, had -- they recorded 3600 feet of distillate recovered and a 15 minute final shut-in pressure of 5400 psi.

They completed there in January of 1954 in what they reported as the Pennsylvanian but I believe it is correlative to what we were reviewing here, and they showed IP for 20 barrels of oil per day, and it was abandoned in December the 2nd, 1954.

They recompleted to the Wolfcamp for 1.4 thousand barrels of oil.

MR. NUTTER: Now when they stated they completed in the Pennsylvanian, was that in a section that's correlative to the Morrow pay in all these other wells?

A. Yes, sir, I believe it is.

MR. NUTTER: And do you have any idea on this 20 barrels of oil what the gravity was and what the characteristics of that oil were?

A. I may have it available in another exhibit I'll be submitting.

MR. NUTTER: Whether it's oil or condensate.

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A. Yes, sir.

That's the final well on my cross section.

Q. Does that complete your testimony with regard to this exhibit?

A. Yes, it does.

Q. Have a seat, Mr. Lakobadiere.

What was the purpose of this exhibit?

A. This exhibit was prepared to show the correlative intervals in the Morrow considered by us for claiming a new reservoir status of our subject well, to show the pressure and production data in the correlative Morrow intervals.

Q. All right. If you would, return, please, turn to Exhibit Number Three and explain this exhibit.

A. Exhibit Number Three is a memorandum to file which I have prepared for justification of a new reservoir for the subject well.

Q. All right. Anything further with regard to this exhibit?

A. The exhibit contains all wells used in the cross section and all wells, pertinent wells, we considered in applying for justification of a new reservoir.

Q. In other words, whether they were within or without the 2-1/2 mile radius?

A. That's correct.

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Q. All right. Turn to Exhibit Number Four, if you would, and explain this exhibit.

A. Exhibit Number Four is a compilation of all wells offsetting the Anderson 3 Com No. 1 within a 2-1/2 mile radius. It shows the well name, the operator, the location, the total depth. It shows the completion interval if the well penetrated the Morrow, the completion horizon, and also any Morrow test data.

Q. Does this contain the information that Examiner Nutter was asking about with regard to the well that's shown on the cross section?

A. No, it does not.

Q. What was the primary source of your knowledge to prepare these exhibits?

A. Scout ticket data.

Q. Do you have those scout tickets with you?

A. Yes, I do.

Q. And is that what you've designated Exhibit Number Five?

A. Yes.

Q. And do you have scout tickets as to all twenty-one wells that you've discussed in your testimony?

A. I do.

Q. Now do these scout tickets reflect the information that was requested by Examiner Nutter?

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A. They show the oil from the perforated interval 12,362 feet to 12,401 feet to be of 43.0 API.

Q. That was on what well, now?

A. This was on the State Q-15, Continental Oil Company.

MR. NUTTER: Where is that ticket in this packet?

A. It should be -- the first portion of the packet will be all wells on the cross section, so it should be approximately the tenth well down. Ninth Well down.

MR. NUTTER: And what well are we looking for, the State Q --

A. State Q-15 Well No. 1.

MR. NUTTER: Maybe you can find it for me in this packet. Okay, now where do we have that information again on the gravity?

A. It should be in the section titled initial potential, approximately in the middle of the page.

MR. NUTTER: Boy, I don't know your scout tickets.

A. Below, it's right below the tops and bases.

MR. NUTTER: Okay, the first set of perforations is 98-something.

A. Yes.

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MR. NUTTER: Is that it?

A. That's the Wolfcamp completion.

MR. NUTTER: All right, then you have perforations 12-something to 12,401?

A. That's correct. 12,362 to 12,401.

MR. NUTTER: And that's that Morrow interval there.

A. Yes, sir.

MR. NUTTER: With 43 gravity oil. Well, that would appear that that is real oil, then, and not condensate from that gravity, wouldn't it?

A. Yes, sir, it does appear so.

MR. NUTTER: Is there anything here on the GOR?

A. They recorded --

MR. NUTTER: Okay, here it is, GOR of TSTM, it looks like.

A. They don't record it.

MR. NUTTER: Okay, go ahead.

Q. Did you use all the information reasonably available to you to make your study?

A. Yes, I did.

Q. Are you of the opinion that the Anderson 3 Com No. 1 Well was completed in a new onshore reservoir, as defined in Section 102 of the NGPA?

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A. Yes, I am.

Q. Are you of the opinion that such reservoir did not produce in commercial quantities prior to April 20th, 1977?

A. Yes.

Q. Are you of the opinion that such reservoir has not been penetrated before April 20th, 1977?

A. Yes.

Q. Summarize briefly the basis for your opinion.

A. In summary, the pressure and production data shown conclusively indicates that, first of all, this reservoir is at a higher virgin pressure than any encountered in any other field well; and second, even though the remainder of the field wells are in a depleted state, the subject well is not in communication with the other wells.

Q. Does this complete your testimony?

A. Yes.

MR. MOTE: Mr. Examiner, we would like to offer at this time the Exhibits One through Five into evidence.

MR. NUTTER: Amoco's Exhibits One through Five will be admitted in evidence.

MR. MOTE: In addition to that, the Director has requested an additional affidavit, applicant's sworn state-

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ment, and we apparently left the phrase out of that statement when we filed for an administrative application for 103 determination.

I'd like to file that as Exhibit Number Six, if I may.

MR. NUTTER: That will be fine.

MR. MOTE: This is an affidavit by Earl E. Morris for Amoco Production Company. It's dated July 31st, 1980.

Now, Examiner Nutter, I, being unfamiliar with what you required in these cases before, we have for you a full packet of all of the information which has previously been furnished for an administrative determination. If you'd like, we have three copies, three full copies of all of that if you'd like to have it, or it may just clutter up your file.

MR. NUTTER: I think we've still got the originals in the file so we wouldn't need duplicates.

MR. MOTE: Thank you.

MR. NUTTER: But we will need all this, however.

MR. MOTE: All right. Mr. Examiner, it's our opinion that based on the best expert advice available, the Anderson 3 Com No. 1 Well was completed in a new onshore reservoir and we believe that evidence conclusively establishes this fact, and this concludes our case.

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CROSS EXAMINATION

BY MR. NUTTER:

Q. Mr. LaRobadiere, you stated in summary that you believe the pressure information particularly shows that you have a new and separate reservoir from these others.

Now, on your Exhibit Number One, you have depicted this 2-1/2 mile circle and shown a bunch of wells that penetrated the Morrow. Now, of those wells, as I understand it, besides the subject well, only three wells have been completed as commercial wells in the Morrow, is that it?

A. That's correct.

Q. And the first one would be this Sunray Well, which is up here on this dotted line.

A. That's correct.

Q. What, by the way, is that dotted line?

A. I don't know.

Q. All right, and just by looking at proximity geology, that well would be separated from the subject well by two wells, maybe three wells, that don't produce commercial quantities from the Morrow.

A. Yes, sir.

Q. Then the next well that has commercial production in the Morrow would be the Anderson Ranch No. 7 in

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the south part of Section 2.

A. Yes.

Q. And that well, by proximity geology, would be separated from the subject well by a line drawn between two non-productive wells in the Morrow?

A. By a line between the two, yes, yes, yes, sir.

Q. The two blue wells there.

A. Yes, sir.

Q. And then, of course, the third well that's productive is the No. 3 down in Section 11, and that's also separated by non-productive wells from the subject well.

A. That is correct.

Q. So you've not only go t the pressure information, but this proximity geology, or continuous pay, seems to not exist.

A. That is our --

Q. From your productive well to these other productive wells.

A. Yes, sir, that's our impression, also.

MR. NUTTER: Are there any further questions of the witness?

MR. PADILLA: I'd like to ask one.

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BY MR. PADILLA:

Q Sir, I'm curious as to why you drew a 2-1/2 mile radius circle here.

The reason I ask this question is because for new onshore reservoir determinations FERC has been confused as to why the 2-1/2 mile radius circle is used on -- on a new onshore determination.

MR. MOTE: Let me answer that question. We've attended a hearing here about two weeks ago, I think, and one of the Examiner's questions was whether or not all wells within 2-1/2 miles had been considered. So this 2-1/2 mile radius was placed on there at my request, because I thought that it was some benefit to the Commission, even though we realize that the 2-1/2 mile limit was really of no consequence, in making a determination of Section 102, onshore well determination.

MR. PADILLA: Nothing further.

MR. NUTTER: Are there any other questions of the witness? He may be excused.

Do you have anything further, Mr. Mote?

MR. MOTE: No, sir.

MR. NUTTER: Does anyone have anything further they wish to offer in Case Number 6992?

We'll take the case under advisement.

(Hearing concluded.)

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C E R T I F I C A T E

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.

_____

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 6992 heard by me on 8/6 1980.

_____, Examiner
Oil Conservation Division

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Amoco Production Company

Houston, TX

August 4, 1980

BEFORE EXAMINER NUTTER
OIL CONSERVATION DIVISION
Amoco EXHIBIT NO. 3
CASE NO. 6992

File: HHR-2608-WF

Re: Justification of a New Reservoir
Anderson "3" Com No. 1
Anderson Ranch Morrow Field
Lea County, New Mexico

Memorandum to File

The Anderson 3 Com No. 1 has encountered a new Morrow Reservoir. This conclusion is based on a comparison of pressure, production, and DST data between the subject well and twenty-one (21) offset wells which penetrated the Morrow Horizon.

The Anderson 3 Com No. 1 was spudded on May 20, 1979 and was completed on August 13, 1979, in the Morrow from perforations at 12,456'-12,463'. On initial potential the well flowed 3,800 MCFGPD, dry gas through a 20/64" choke at a 3,150 psi flowing tubing pressure. A static bottom hole pressure test was run on September 10, 1979, and a pressure of 5,850 psi was obtained at 12,459' (mid-point of perforatios). The well went to sales January 16, 1980, and underwent a rapid pressure decline until it was shut-in in March due to its inability to buck the sales line pressure. Current bottom hole pressure is 3280 psi. The well produced 29,871 MCF before shut-in and is now awaiting a contract for a low pressure sales line.

Of the eighteen (18) wells within a 2.5 mile radius of the Anderson 3 Com No. 1, which penetrated the Morrow, only three were completed in the Morrow as commercial gas wells. A brief discussion of these three wells follows:

The State "76" Well No. 1 is located approximately 1.1 miles northeast of the subject well and was recompleted to the Morrow on November 19, 1966. The well has a cumulative to May 1, 1980 of 3.90 BCF. The latest BHP data available is a September 13, 1976 test which yielded a BHP of 1,747 psi. The initial BHP of this well was 5,208 psi.

The Anderson Ranch Unit No. 3A is located approximately 1.4 miles east southeast of the Anderson 3 Com No. 1 and was completed in 1969 for 3.1 MMCFPD. The initial BHP could not be located but

Amoco Production Company

Houston, TX

August 4, 1980

BEFORE EXAMINER NUTTER
OIL CONSERVATION DIVISION
Amoco EXHIBIT NO. 3
CASE NO. 6992

File: HHR-2608-WF

Re: Justification of a New Reservoir
Anderson "3" Com No. 1
Anderson Ranch Morrow Field
Lea County, New Mexico

Memorandum to File

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The Anderson Ranch Unit No. 3A is located approximately 1.4 miles east southeast of the Anderson 3 Com No. 1 and was completed in 1969 for 3.1 MMCFPD. The initial BHP could not be located but

based on an initial shut-in wellhead pressure of 2,888 psi and assuming a static column of dry gas the BHP is estimated to be approximately 3,767 psi at the middle of the perforations (12,177'). The well underwent severe pressure depletion after connection to sales and was abandoned after producing only 90 MMCF.

The Anderson Ranch Unit No. 7 is located 0.5 miles northwest of the Anderson 3 Com No. 1 and was recompleted to the Morrow in 1971. The well potentialed for 2.1 MMCFPD and has produced over 3.6 BCF and is still producing at rates in excess of 500 MCFPD. The initial BHP was recorded as 4,617 psi and a test taken April 17, 1979, has the BHP at 615 psi.

Of the fifteen (15) remaining wells five performed tests in the Morrow. The test results are discussed as follows:

The Anderson Ranch Unit No. 1 is located approximately 1.25 miles southeast of the subject well and attempted to DST the Morrow over the interval 12,144'-12,170'. During the DST the well blew out and caught fire. Blowout rates were estimated as 10 to 50 MMCFPD. Drilling continued after the well was under control and a new rig moved in. There were five other DST's performed in horizons below the Morrow and even coring was done over the Morrow interval 12,175'-12,191'. This activity after a blowout indicates that the Morrow zone was evidently a high pressure, limited reservoir with no commercial potential as the well was eventually completed in the Anderson Ranch Devonian on May 4, 1953.

The Anderson Ranch Unit No. 2 is located approximately .87 miles southeast of the subject well and is producing from the Anderson Ranch Wolfcamp. A DST over the Morrow interval 12,070'-12,212' obtained a gas show and recorded a 15 minute final shut-in pressure of 3,725 psi.

The Anderson Ranch Unit No. 8 is located approximately 1.6 miles southeast of the subject well and DST'd the Morrow intervals 12,098'-12,237' and 12,381'-12,616'. The first DST obtained a slight gas show and a 15 minute final shut-in pressure of 4,650 psi. The second DST obtained a slight gas show and recorded a 15 minute final shut-in pressure of 2400 psi. These two zones were eventually perforated and tested non-commercial.

The State Q 15 No. 1 is located approximately 1.6 miles directly south of the subject well and DST'd the Morrow interval 12,383'-12,463'. This test recorded a gas show and an encouraging 15 minute final shut-in pressure of 5400 psi. The interval 12,362'-12,401' was subsequently perforated and tested non-commercial.

The Anderson Ranch Unit No. 15 is located approximately .8 miles directly east of the subject well and DST'd the Morrow interval 11,980' - 12,235'. This test recorded a slight gas show and a 15 minute final shut-in pressure of 1680 psi.

The remaining ten wells which penetrated the Morrow recorded no DST or completion test attempts.

In addition to the above 18 wells, 3 additional wells were reviewed. These wells fall outside the 2.5 mile radius but contained Morrow test data. A discussion of these wells follows:

The State "26" No. 1 is located approximately 3.2 miles northwest of the subject well and performed a DST over the Morrow-Mississippian interval 12,333' - 12,700'. The DST recovered no shows. The well was DxA November 3, 1978.

The West Anderson Ranch Unit No. 1 is located approximately 3.1 miles west of the subject well and obtained a successful DST in the Morrow over the interval 12,314' - 12,569' recovering gas at a rate of 3,241 MCFPD and a 45 minute final shut-in pressure of 5,175 psi. The well was completed in the Morrow over the interval 12,512' - 12,530' and 12,542'- 12,550' with an initial potential of 5000 MCFPD. The well immediately depleted and was shut-in after producing only 100 MMCF and 8.8 MBO.

The Emerald Unit No. 1, located approximately 2.6 miles south of the subject well, DST'd the Morrow at 12,112' - 12,458' but obtained no results due to packer failure. The well was subsequently completed in the Wolfcamp.

Therefore, based on a thorough review of the aforementioned data, and analysis of cross-sections containing pertinent offset wells, it is concluded that the Anderson "3" Com No. 1 has encountered a new and separate Morrow reservoir. The data conclusively indicates: (1) this reservoir is at a higher virgin pressure than encountered in any other field well, and; (2) even though the remainder of the field wells are in a depleted state, the subject well is not in communication with other field wells.

Robert D. LaRobadiere

RDL/dgh
46/H

ANDERSON 3 COM #1 OFFSETS

WELL	OPERATOR	LOCATION	TD	COMP. INTER	HORIZON	MORROW TESTS
Lea State "GE" #1	Gulf Oil Corp.	B-32-15-32	13655'	P X A		
State 4-32	Union Oil of Ca.	I-32-15-32	10040'			
Gulf State "B" #1	Tenneco	M-32-15-32	10305'			
Shell State #1	King Resources	O-32-15-32	9900'			
N. M. State BH #1	Union Oil of Ca.	P-32-15-32	10011'			
State 1-33	Union Oil of Ca.	E-33-15-32	13502'	9952-9980	Wolfcamp	
State 3-33	Union Oil of Ca.	K-33-15-32	10073'			
State "A" 1-33	Union Oil of Ca.	M-33-15-32	13408'	9852-76	Wolfcamp	
State "JO" #1	McAlister Fuel Co.	O-33-15-32	10110'			
Amerada State #2	Amerada	P-33-15-32	5075'			
Lea "R" State #2	Gulf Oil	D-1-16-32	10107'			
State A #1	Plymouth Oil	K-1-16-32	9945'			
Lea State "R" #1	Gulf Oil	A-2-16-32	13420'	9828-62'	Wolfcamp	
State Land 76 #2	Mid-Continent Pet.	A-2-16-32	9960'			
New Mexico "S" #1	Magnolia Petro.	B-2-16-32	13509'	13414-447'	Devonian	
State "76" #1	Mid-Continent Pet.	G-2-16-32	10042'			
Sunray-State #1	Burleson & Huff	C-2-16-32	9900'			
Eddy-Lea State NCT-A #1	Gulf Oil	F-2-16-32	9985'			

RC/dq

647/T3

BEFORE EXAMINER NUTTER
OIL CONSERVATION DIVISION
Amoco EXHIBIT NO. 4
CASE NO. 6992

WELL	OPERATOR	LOCATION	TD	COMP. INTER	HORIZON	MORROW TESTS
Lea State "CL" A #1	Gulf Oil	J-2-16-32	13395'	9628-9842'	WLCP, DEV	
Anderson Ranch Unit #14	Conoco	O-2-16-32	13406'	13350-392'	Dev.	
State Land "76" Com #1	Sunray DX	O-2-16-32	13395'	12160-170'	Morrow	Initial BHP 5208 psi 9-13-76 BHP 1747 psi
Anderson Ranch Unit #15	Conoco	S-2-16-32	13500'	13380-420'	Dev.	DST 11980'-12,235' Rec SGCM, 15 min. FSIP 1680
Lea State "CR" A #4	Gulf Oil	J-2-16-32	13500'	9696-9816'	WLCP	
Lea State "CR" #3	Gulf Oil	N-2-16-32	9912'			
Lea State "CR" #1	Gulf Oil	P-2-16-32	9875'			
Lea State "CR" #2	Gulf Oil	O-2-16-32	13363'	9718-9804'	WLCP	
Anderson Ranch Unit #17	Conoco	R-2-16-32	9967'			
Anderson Ranch Unit #18	Conoco	T-2-16-32	9920'			
Anderson Ranch Unit #12	Conoco	V-2-16-32	9865'			
Anderson Ranch Unit #7	Conoco	W-2-16-32	13568'	12103-140'	Morrow	Initial BHP 4617 4-17-79 BHP 615
Anderson Ranch Unit #6	Conoco	X-2-16-32	9980'			
Aggie #1-A	Phillips Petro.	Q-3-16-32	10000'			
State "B" #1	Oscar Bourg	T-3-16-32	4173'			
Anderson "3" Com #1	Amoco Prod.	R-3-16-32	12635'	12456-463'	Morrow	Initial BHP 5850

RC/dq

647/T4

WELL	OPERATOR	LOCATION	TD	COMP. INTER	HORIZON	MORROW TESTS
Sinclair State #1	Bob Dean Ltd.	U-5-16-32	4110'			
Arco State #1	Monsanto	J-9-16-32	10615'			
Sinclair State "B" #1	Cactus Drlg.	O-9-16-32	3445'			
Pan American State E #1	Cactus Drlg.	P-9-16-32	3740'			
Pan American-State #1	Silverthorne	P-9-16-32	45'			
Alco-State #1	Silverthorne R.Q.	M-10-16-32	3408'			
Anderson Ranch Unit #3A	Conoco	A-11-16-32	13540'	12148-12207'	Morrow	3123 MCFGPD 2888# SIWHP (Est. BHP 3,767)
Anderson Ranch Unit #6	Conoco	A-11-16-32	9940'			
Anderson Ranch Unit #4	Conoco	B-11-16-32	9914'			
Anderson Ranch Unit #2	Conoco	C-11-16-32	13703'	9785-9859'	WLCP	DST Morrow 12,070-12,212', 15 min. FSIP 3725 psi
Anderson Ranch Unit #11	Conoco	F-11-16-32	9950'			
Anderson Ranch Unit #1	Conoco	G-11-16-32	13775'	13374-474'		DST 12,141-170' Blew out, 10-50 MMCFPD. DST 12435-578 rec 3510 SGCM FP 1075-1175 DST 13263-408 613 MCF 409 BO FP 2575-4050
Anderson Ranch Unit #10	Conoco	H-11-16-32	9875'			
Anderson Ranch Unit #8	Conoco	I-11-16-32	13689'	TA		DST 12,098-237' rec SGCM, 15 min FSIP 4650 psi, 12,381-616' rec SGCM, 15 min FSIP 2400 psi, Perf above, tested non com.
Anderson Ranch Unit #5	Conoco	J-11-16-32	10010'			
Anderson Ranch Unit #13	Conoco	K-11-16-32	13566'	9754-9866'	WLCP	
State 1-A	Caprock Oil	N-11-16-32	4912'			
Anderson Ranch Unit #9	Conoco	D-12-16-32	10250'			
Stanolind State #1	Vickers Petroleum	E-14-16-32	4839'			

RC/dq

647/T5

WELL	OPERATOR	LOCATION	TD	COMP. INTER	HORIZON	MORROW TESTS
Atlantic State #1	R. Q. Silverthorne	F-15-16-32	4200'			
State Q-15 #1	Conoco	G-15-16-32	13689'	9849-69'	WLCP	DST 12,383-463', rec Gas 15 min FSIP 5400 psi. Perf 12,362-401' non com.
~~State "B" No. 1~~	~~Vickers Petro.~~	~~N-15-16-32~~	~~11? RB~~			
Arco State #1	H.L. Brown, Jr.	A-16-16-32	10100'			
Sinclair State #2	Cactus Drlg. Co.	A-16-16-32	3485'			
Sinclair State #1	Cactus Drlg. Co.	B-16-16-32	4347'			
Continental State #1	Cactus Drlg. Co.	C-16-16-32	3502'			
Mobil-State #2	Cactus Drlg. Co.	D-16-16-32	3450'			
Mobil-State #1	Cactus Drlg. Co.	E-16-16-32	3455'			
Mobil-State B #1	Cactus Drlg. Co.	F-16-16-32	3463'			
Mobil-State #3	Cactus Drlg. Co.	G-16-16-32	3462'			
State "MOA" #1	Shell Oil Co.	H-16-16-32	3470'			
Humble-State #1	Morris R. Antwell	J-16-16-32	3503'			
N.M. State "BT" #1	Humble O & R	J-16-16-32	3450'			
Mobil-State #3	Cactus Drlg. Co.	K-16-16-32	3473'			
State "MQ" #1	Shell Oil Co.	L-16-16-32	3490'			
Sinclair-State "A" #1	Cactus Drlg. Co.	M-16-16-32	3474'			

RC/dq

647/T6

Petroleum Information.

COUNTY CHAVES FIELD Wildcat STATE NM

OPR BROWN, H. L., JR. API 30-005-20645

NO 1 LEASE State 26 MAP

Sec 26, T15S, R31E COORD 12-5-4 NM

660' FSL, 1980' FEL of Sec

32 mi SE/Hagerman SPD 10-12-78 CMP 11-3-78

CSG.
12 3/4" at 604' w/300 sx
8 5/8" at 4204' w/200 sx

WELL CLASS: INIT WF FIN WF ELEV L & S

FORMATION	DATUM	FORMATION	DATUM

TD 12,750' (MSSP) PBD

DRY & ABANDONED

CONTR Landis #3 OPR'S ELEV 4374' GL PD 12,550' RT

BEFORE EXAMINER NUTTER
OIL CONSERVATION DIVISION
Amoco EXHIBIT NO. 5
CASE NO. 6992

F.R. 10-2-78
(Pennsylvanian)

10-24-78 Drlg 2774' "Tight"
10-26-78 Drlg 3543' "Tight"
11-6-78 Drlg 9367'
11-13-78 Drlg 10,759'
11-27-78 TD 12,640'; Logging
12-4-78 TD 12,750'; D&A (Hold)
DST (Morrow-Mississippian) 12,333-700', op 1 hr 30 mins, rec 2000' WB + 303' DF w/NS, 1 hr ISIP 1446#, FP 1238-1169#, 2 hr FSIP 1354#, HP 5732-5732#
12-25-78 TD 12,750'; Dry & Abandoned
LOG TOPS: Rustler 1319', Yates 2510', Queen 3300', Grayburg 3846', San Andres 4087', Glorieta 5662', Clearfork 6266',

12-5-4 NM

12-25-78 Continued
Tubb 6880', Drinkard 7018', Abo 7580',
Wolfcamp 9010', Strawn 10,998', Morrow
12,332', Mississippian 12,580'

12-30-78 COMPLETION ISSUED

12-5-4 NM
IC 30-005-70088-78

FORM 511 10-45

District 5-A Eloy

SCOUT TICKET

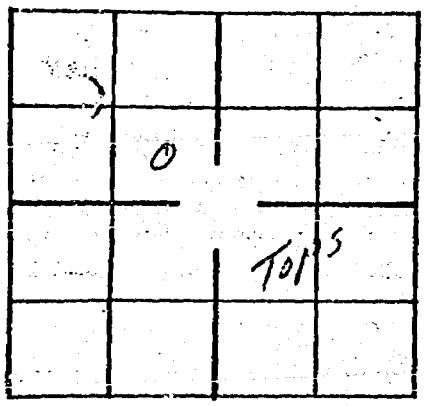
MN00381 K

OUR NO. 7628

COUNTY Lea

STATE New Mexico (Wildcat)

ELEV. 4395



OPERATOR Continental Oil Co.

FARM West Anderson Ranch Unit WELL NO. 1

SEC. 6 T. 16-S R. 32-E

SEC. BLK. SURVEY

LOC. 3235 FR. N FR. S FR. E 1991 FR. W

SPUD. 7-7-54 COMP. 1-1-55 T.D. 12515 PB 12582

CONTRACTOR TP 12512 Penn.

SHOT A/1000

T. AN. 1300' Sd PROD. INT. Open F (5000 MCFGPD + 443 B DIST PD

T. SALT GOR. GR 55

B. SALT 2390 PRESSURE: CASING PKR TUBING 2990.51

T. YATES 2530 REMARKS: 2" 12551

T. GRAYBURG Perf 12512-50

T. S. A. 4025

T. GLOR. 7627

T. C. F. T. 7 Rivers

T. TUBBS 6817 T. Queen

T. MISS. 13010 13022-8 & 2.7 T. Drink

T. DEV. ~~13,660.~~ 13675 T. Abo 7592

T. SIL. T. Wolf C. 8908

T. MONTOYA T. Penn

T. SIMPSON T. Fuss

T. ELLEN. T. McKee

T. Wood 13585 T. Morrow 12546

12 3/4 425 500

9 5/8 9095 2795

7" 12609 230

6-30-54	13,700' test. Location.	SEP 8 1954	∅ 8000 Ln.
JUL 7 1954	∅ 10,550 Ln.		DST 8000-8060
JUL 14 1954	∅ 10,000 Ln.		OP 1hr
JUL 21 1954	∅ 9797 Ln.		Rec 45' M
JUL 28 1954	∅ 9797 Ln.		FP 125 ISIP 0
AUG 4 1954	∅ 6066 Ln	SEP 15 1954	∅ 10,513 Ln.
	DST 9680-9814		DST 9772-10025
	OP 1hr		OP 1hr.
	Rec 630 Sulf. W. 7360 M		Rec 1500 Sulf. W.
	FP 525 ISIP 525		FP 525 ISIP 525
11 1954	∅ 7205 Ln.	SEP 22 1954	∅ 10,700 Ln.
AUG 18 1954	∅ 8446 Ln	SEP 29 1954	∅ 11,000
AUG 25 1954	∅ 8964 Ln	OCT 6 1954	∅ 11,500 Ln.
SEP 1 1954	∅ 9525 Ln.		DST 11,000-11,150
	DST 8998-9154		OP 1hr 1500 W.S.
	OP 1hr		Rec 1500 Sulf. W.
	Rec 90 SOSCM		FP 525 ISIP 525
	FP 125 ISIP 125	OCT 13 1954	∅ 11,700 Ln.
			DST 11,500-11,700
			OP 1hr
			Rec 90' SOSCM
			FP 125 ISIP 125

LOG

OCT 27 1954	@ 12,506 Ld		
	DST 12,320-345		
	OP 1145	1000 WB	
	Rec WB + 90	SECM	
	FP 2225	15 Sip 2240	
NOV 3 1954	TD 12,569 Ld		DST
	DST 12,500-569		
	Packed		
	DST 12,440-469		
	Packed		
	DST 12,515-569		
	Packed		
NOV 10 1954	@ 12,726 Ld		
	DST 12,314-345		
	OP 1130	2000 WB	WK 5,130
	F.S RM 130	Gas 3200 MCF	
	Rec 450	Dist	OP 50
	FP 2125	45 Sip 2150	
NOV 17 1954	@ 13037 Ld.	9 SK.	
NOV 23 1954	@ 13269 Ld Ch		
DEC 1 1954	@ 13600 Ld SK		
DEC 8 1954	@ 13777 Ld Ch		
	DST 13644-740		
	OP 1140	2500 WB	
	Rec WB + 115 M		
	FP 0	15 Sip 1240	
	DST 13748-850		
	OP 1145	2500 WB	
	Rec WB + 120 M		
	FP 0	15 Sip 2055	
DEC 15 1954	@ 13853 Ld Ch		
	DST 13850-925		
	OP 1150	2500 WB	
	Rec WB + 40 M		
	FP 1215	15 Sip 2120	
DEC 21 1954	TD 14015 Ld del	PB 13610	Cut Sq.
	DST 13940-14015		
	OP 2130	2500 WB	
	Rec WB + 6500 Salt W.		
	FP 4400	45 Sip 5600	
JAN 5 1955	TD 14015 Ld del	PB 13582	WOPT
	Perf 122	12512-30	
	32	12542-50	2" PKR 12485
	w/1000	FW Brk DH for 3 hrs + 3200	MCFGPD
	½ Ch	TP 700	
JAN 12 1955			

STANDARD B&P

FORM 511 10-48

SCOUT TICKET

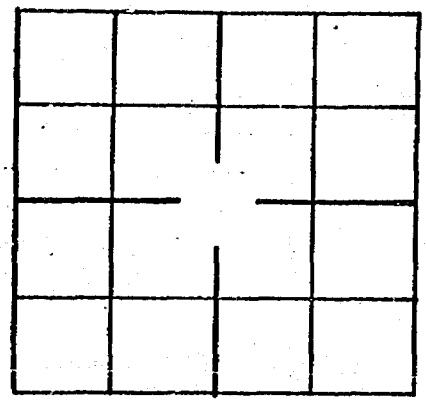
K D

OUR NO. 7678

ELEV. 4395

COUNTY Lea

STATE New Mexico (Wildcat)



OPERATOR Continental

FARM West Anderson Ranch WELL NO. 1

SEC. 6 T. 16-S R. 32-E

SEC. BLK. SURVEY

LOC. 3235 FR. N FR. S FR. E 1991 FR. W

SPUD. COMP. T.D. PB

CONTRACTOR TP

SHOT

T. AN. PROD. IP

T. SALT GOR. GR.

B. SALT PRESSURE-CASING TUBING

T. YATES REMARKS:

T. GRAYBURG

T. S. A.

T. GLOR. (page 2)

T. C. F.

T. TUBBS

T. MISS.

T. DEV.

T. SIL.

T. MONTOYA

T. SIMPSON

T. ELLEN.

STANDARD B&P "NGPA"

JAN 19 1955 ✓

JAN 26 1955

T.P. 14015 lm PB 12562

8/64 Ch. F 502 MCF

12/64 Ch F 1530 MCF

1/2 Ch F 4331 MCF

LOG

T. Entrada	1240	+3155		
T. Yates	3110	+1285		
T. Queen	3395	+1120		
T. S. A.	4031	+765		
T. Glor	5625	-1230		
T. Drinkard	6615	-2420		
T. Abo	7465	-3110 EDE TOPS		
T. Wolfcamp	8965	-4510		
T. Miss. Ls	13020	-8565		
T. Wood Sh.	13245	-9190		
T. Dev.	13615	-9560		

Petroleum Information.

R

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COUNTY LEA FIELD Anderson Ranch STATE TX

OPR AMOCO PRODUCTION CO. API 30-025-26294

1 LEASE Anderson "3" Com. MAP S 20 A 33

Sec 3, T16S, R32E COORD

1830' FSL, 1980' FEL of Sec 9-2-5 NM

6 mi N/Maljamar SPD 5-20-79 CMP 8-13-79

CSG

13 3/8" at 402' w/425 sx
9 5/8" at 4204' w/3850 sx
5 1/2" at 12,635' w/3130 sx

WELL CLASS: INIT D FIN DG ELEV 4329 GL

FORMATION	DATUM	FORMATION	DATUM
			4329 GL

TD 12,635' (MRRW) PBD 12,585'

TP (Morrow) Perfs 12,456-463' F 3800 MCFGPD. Pot based on 24 hr test thru 20/64" chk. GOR Dry; gty (NR); CP (NR); TP 3150#

CONTR MGF #25 ORIGELEV 4329' GL PD 12,300' RT

F.R. 4-23-79
(Morrow)

5-25-79	Drlg 3368' sh & anhy
6-1-79	Drlg 5100' lm, sh & sd
6-8-79	Drlg 7739' dolo, sh & sd
6-15-79	Drlg 9115' lm & sh
6-22-79	TD 10,979'; Trip
6-29-79	TD 10,979'; Fsg
7-6-79	TD 10,979'; Fsg
7-13-79	TD 11,461'; SDR
7-20-79	TD 12,357'; Logging
7-25-79	Drlg 12,600' lm, sh & cht
7-30-79	TD 12,635'; WOCT
8-10-79	TD 12,635'; PBD 12,585'; SI

Perf (Morrow) 12,456-463' w/4 SPF
Acid (12,456-463') 150 gals

9-2-5 NM

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-23294-00
PAGE (1) 1

EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 2 TWP: 016_S RNG: 032_E
COMPANY: AMOCO PRODUCTION CO
LEASE: ANDERSON B COMMISSION WELL NO: 1 FIELD: ANDERSON RANCH MORRO
LAT: 32.84916 LON: 103.74985
LOCATION NARRATIVE: 1830FS & 1980FE OF SEC

SPUD DATE: COMP DATE: ELEV: ELEV: 4225 GR
DRILLERS TD: 12635 LOG TD:

<<CASING>>

13-24/64	@	402	W/ 425	SX
09-40/64	@	4204	W/ 2850	SX
05-32/64	@	12635	W/ 3130	SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

RE-ENTERED 1979,RE-ENTERED 1979 PRODIGAS,HC
SHOW,TP DATA,TREATMENTS,LITH FILE,PERFORCES
FROM MORR

<<INITIAL POTENTIAL>>

PERF 12456-12463 WITH/IP OIL: GAS: 3800MCFD SK:
HOUR TEST: 24 CH: 20/64 TP: 3150 SITP: GOR: FM: MORR
PERF - WITH/IP OIL: GAS: SK:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PERF - WITH/IP OIL: GAS: SK:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:

FORMATION TESTS:

<<TOPS AND(BASES)>>

PI TOPS	PSLV -----	10043	
GLRT ------	5705	CNYN ------	10655
TUBB ------	6018	STRN ------	11070
ABO -----	7570	ATOK ------	11705
WFMP ------	9335	MORR ------	12300

<<INITIAL POTENTIAL>>

FROM PERF AT 12456-12463, IN THE MORR, BY FLOW RECOVERED 3800 MCFD GAS OVER A 24-HOUR PERIOD USING 20/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 3150 PSI
PLUG-BACK TO 12535 FEET

TREATED PERF INTERVAL AT 12456 TO 12463 BY ACID USING 150 GALS ACID
RE-ENTERED: ON 05-20-1979 INITIAL: DEV LEASE CARRIES AS THE AMOCO FED NUMBER 1
ANDERSON "B" COM

E MI K/MALJAMAR

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-20374-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 2 TWP: 16S RNG: 32E
COMPANY: GULF OIL CORP
LEASE: LEA-STATE COM WELL NO: 4 FIELD: ANDERSON RANCH WOLFC
LAT: 32.95510 LON: 103.73930
LOCATION NARRATIVE: 2640FN L 1980FW L SEC

SPUD DATE: 03-20-1956 COMP DATE: 10-07-1956 ELEV: 4311 DF ELEV: 4297 GR
DRILLERS TD: 13500 LOG TD:

<<CASING>>

13-24/64	@ 413	W/ 650	SX
09-40/64	@ 4300	W/ 3350	SX
07-00/64	@ 13498	W/ 1025	SX
	@	W/	SX
	@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODOIL,
RE-ENTERED 1957,HC SHOW,IP DATA,PRODUCTION
TESTS,FORMATION TESTS,TREATMENTS,PAN: GRL

<<INITIAL POTENTIAL>>

PERFS 9356- 9912 WTR/IP OIL: 240BPLS/D GAS: SW: 24 BPLS/D
HOUR TEST: 24 CH: 30/64 TP: 100 SITP: GOR: 1625 FM:
PERFS 9856- 9863 WTR/IP OIL: 127BPLS/D GAS: SW: 32 BPLS/D
HOUR TEST: 24 CH: /64 TP: SITP: GOR: FM:
PERFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9706- 9825, 9834- 9950,12320-13445,12444-13460,13459-1348_,

AMOCO-REDTOP	PENN ----- 9340	PENN ----- 8555	ATOK -ZZZ-11816
ANHY ----- 1382	MISS -----12745	MISS -----12620	MRRW -ZZZ-12133
YTES ----- 2482	WOFD -----13325	WOFD -----13330	CSTR -ZZZ-12392
QUEN ----- 3315	DVNN -----13415	DVNN -----13420	MPLM -ZZZ-12560
SADR ----- 4072	PI SAMPLE TOPS	INTERPOLATED TOPS	SCLM -ZZZ-12673
GLRT ----- 5485	GLRT ----- 5700	CSCO -ZZZ-10134	BRNT -ZZZ-12769
DEKD ----- 6870	TUBB ----- 6480	CNYN -ZZZ-10627	ELGG -ZZZ-12873
ABO ----- 7540	ABO ----- 7650	STRN -ZZZ-11013	

<<INITIAL POTENTIAL>>

FROM PERF AT 9856-9912 BY FLOW RECOVERED 240 BBLS/D OIL 24 BBLS/D WATER OVER A 24 HOUR PERIOD USING 30/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 100 PSI CASING PRESSURE PKR PSI PLUG-BACK TD 9950 FEET, GOR OF 1625 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 42.4
FROM PERF AT 9856-9863 BY FLOW RECOVERED 127 BBLS/D OIL 32 BBLS/D WATER OVER A 24 HOUR PERIOD, TEST PRESSURES: PACKER SET AT 9674 FEET PLUG-BACK TD 9950 FEET

<<PRODUCTION TESTS>>

SWAB PERF AT 13445-13460 RECOVERED 33 BBLS/D WATER OVER A 12 HOUR 30 MIN PERIOD, TEST PRESSURES: PLUG-BACK TD 13488 FEET
SWAB PERF AT 13420-13440 RECOVERED 66 BBLS/D WATER OVER A 27 HOUR PERIOD
SWAB PERF AT 13420-13440 RECOVERED 88 BBLS/D WATER OVER A 6 HOUR PERIOD

<<FORMATION TESTS>>

DST FROM 9706 TO 9825 WITH A 1-00/64 INCH TOP 0-60/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR 30 MIN, FLOWED GAS WITH A TIME TO SURFACE OF 14 MINS, RECOVERED 200 FT OIL GAS CUT MUD,RECOVERED 1000 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 175 FIRST FINAL 485, SHUTIN PRESSURES: FINAL SHUT-IN 2220 ON A 15 MIN TEST
DST FROM 9825 TO 9950 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR 45 MIN, FLOWED GAS WITH A TIME TO SURFACE OF 12 MINS, FLOWED 25 BPH OIL WITH A TIME TO SURFACE OF 100 MINS GRAVITY OF RECOVERED FLUID-44.0 GOR OF 700, RECOVERED 550 FT OIL,RECOVERED 150 FT SUL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 750 FIRST FINAL 1225, SHUTIN PRESSURES: FINAL SHUT-IN 2000 ON A 15 MIN TEST
DST FROM 13320 TO 13445 WITH 3000 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 3000 FT WTR CUSH,RECOVERED 30 FT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 1450, SHUTIN PRESSURES: FINAL SHUT-IN 1675 ON A 15 MIN TEST
DST FROM 13444 TO 13460 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 2500 FT WTR CUSH,RECOVERED 220 FT SALT GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 1115, SHUTIN PRESSURES: FINAL SHUT-IN 2960 ON A 15 MIN TEST
DST FROM 13459 TO 13485 WITH 2500 FT WTR CUSH, INITIAL OPEN 30 MIN, RESULTS OF DST: PKR6, RECOVERED 2500 FT WTR CUSH,RECOVERED 130 FT SLI GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 1155
DST FROM 13425 TO 13500 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, RECOVERED 2500 FT WTR CUSH,RECOVERED 45 FT GAS CUT MUD SALT WTR,RECOVERED 450 FT SALT WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 1135 FIRST FINAL 1200, SHUTIN PRESSURES: FINAL SHUT-IN 4085 ON A 15 MIN TEST

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-03274-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 3 TWP: 016 S RNG: 032 E
COMPANY: GULF OIL CORP
LEASE: LEA-STATE CRA WELL NO: 4 FIELD: ANDERSON RANCH WOLFC
LAT: 32.93810 LON: 103.73930

TREATED PERF INTERVAL AT 13496 TO 13480 BY CLAG USING 500 GALS ACID
TREATED PERF INTERVAL AT 13420 TO 13440 BY CLAG USING 500 GALS ACID
TREATED PERF INTERVAL AT 13420 TO 13440 BY ACID USING 2000 GALS ACID
TREATED PERF INTERVAL AT 13420 TO 13440 BY HYD USING 10000 GALS PROPPED BY 0 SD
TREATED PERF INTERVAL AT 9696 TO 9816 BY ACID USING 2000 GALS ACID
TREATED PERF INTERVAL AT 9696 TO 9816 BY ACID USING 5000 GALS ACID
RAN THE FOLLOWING LOGS: GRL FROM 0 TO 13513 BY SCHL
RE-ENTERED: ON 01-08-1957 LEASE CARRIED AS THE GULF OIL CORP NUMBER 4 LEA-STATE CF A
RECOMPLETED 02-27-1957, INITIAL FIELD, FINAL OIL.

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-00372-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 2 TWP: 21S RNG: 32E
COMPANY: GULF OIL CORP
LEASE: LEA-STATE C2 WELL NO: 2 FIELD: ANDERSON RANCH DEVON
LAT: 32.49150 LON: 103.73483
LOCATION NARRATIVE: 3300FS L 1980FE L SEC

SPUD DATE: 11-14-1954 COMP DATE: 03-22-1955 ELEV: 4295 DF
DRILLERS TD: 13363 LOG TD:

<<CASING>>

13-24/64	@	423	W/	450 SX
09-40/64	@	4190	W/	2200 SX
05-32/64	@	13362	W/	1025 SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODOIL,
RE-ENTERED 1965,RE-ENTERED 1969,NO SHOW,IP
DATA,PRODUCTION TESTS,LOST CIRC,FORMATION
TESTS,TREATMENTS,RAN: ES CONL GRL,PRODUCES
FROM WFMP,AIF DRILL

<<INITIAL POTENTIAL>>

PFS 13290-13330 WITH/IP OIL: 624 BLS/D GAS: SW: 125 BLS/D
HOUR TEST: 5 CH:64/64 TP: 100 SITP: GOR: 1166 FM:
PFS 9718-9804 WITH/IP OIL: 103 BLS/D GAS: SW: 21 BLS/D
HOUR TEST: 24 CH:20/64 TP: 200 SITP: GOR: FM:WFMP
PFS -- WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9660-9760, 9760-9850, 9850-9900,

<<TOPS AND BASES>>

AMOCO-PENROSE	WFMP -----12530	AEC ----- 7600	MRRW -ZZZ-12122
ANHY -----1255	WOFD -----13200	WFMP ----- 8958	CSTR -ZZZ-12363
YTES -----2460	DVNN -----13290	WOFD -----13215	MSSP -ZZZ-12663
QUEN -----3300	FT TOPS	DVNN -----13290	SCLA -ZZZ-12658
SADE -----4063	ANDR ----- 1255	INTERFILATED TOP	BRNT -ZZZ-12818
GLRT -----5640	YTES ----- 2475	CSCG -ZZZ-10116	ELBG -ZZZ-12840
DEKD -----6850	SADE ----- 4070	CNYN -ZZZ-10538	
APC -----7510	GLRT ----- 5653	STEN -ZZZ-11018	
WFMP -----8510	TUBB ----- 6850	ATOK -ZZZ-11804	

<<INITIAL POTENTIAL>>

FROM PERF AT 13290-13330 BY FLOW RECOVERED 624 BBLS/D OIL 125 BBLS/D WATER OVER A 5 HOUR PERIOD USING 1 00/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 100 PSI CASING PRESSURE 880 PSI PACKER SET AT 13177 FEET PLUG-BACK TD 13350 FEET, GOR OF 1166 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 41.8
FROM PERF AT 9718-9804 IN THE WFMP BY FLOW RECOVERED 103 BBLS/D OIL 21 BBLS/D WATER OVER A 24 HOUR PERIOD USING 20/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 200 PSI PLUG-BACK TD 9825 FEET

<<PRODUCTION TESTS>>

SWAB PERF AT 11172-11446 RECOVERED 100 PCT WATER

<<FORMATION TESTS>>

DST FROM 9660 TO 9760 IN THE WFMP INITIAL OPEN 3 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 15 MINS, RECOVERED 450 FT OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 195, SHUTIN PRESSURES: FINAL SHUT-IN 910 ON A 15 MIN TEST
DST FROM 9760 TO 9850 IN THE WFMP WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 5 HOUR 45 MIN, FLOWED 202 MCFD GAS WITH A TIME TO SURFACE OF 5 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 93 MINS, FLOWED 17 BPH OIL WITH A TIME TO SURFACE OF 105 MINS GRAVITY OF RECOVERED FLUID-41.0 GOR OF 495, RECOVERED 5 BBLS OIL,RECOVERED 60 FT OIL, OPEN FLOWING PRESSURES: FIRST FINAL 615, SHUTIN PRESSURES: FINAL SHUT-IN 2765 ON A 15 MIN TEST
DST FROM 9850 TO 9900 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 150 FT OIL GAS CUT MUD,RECOVERED 7450 FT SLIGHTLY, OPEN FLOWING,PRESSURES: FIRST INITIAL 1400 FIRST FINAL 3350, SHUTIN PRESSURES: FINAL SHUT-IN 3350 ON A 15 MIN TEST

TREATED PERF INTERVAL AT 9718 TO 9804 BY ACID USING 6000 GALS ACID
TREATED PERF INTERVAL AT 11172 TO 11446 BY ACID USING 1750 GALS ACID
LOST CIRCULATION AT 12363 FT
RAN THE FOLLOWING LOGS:DES,CONL,GRL FROM 0 TO 13350 BY HALLIB,GRL FROM 9600 TO 10100 BY HALLIB, *** DUMMY FROM CTL TO CORRECT TOPS FMPROD FLAG

RE-ENTERED: ON 09-12-1965 LEASE CARRIED AS THE GULF OIL CORP NUMBER 2 LEA-STATE CP NCT-
RECOMPLETED 09-19-1965, INITIAL DEV, FINAL OIL.
RECOMPLETED 07-29-1969, INITIAL DEV, FINAL DEA.
ABANDONED IN (DVNN), 09-12-1965. IN (WFMP), 07-29-1969.

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-03564-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 2 TWP: 016-S RNG: 032-E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 15 FIELD: ANDERSON RANCH DEVON
LAT: 32.94790 LON: 103.73920
LOCATION NARRATIVE: 1980FS L 1980FW L SEC

SPUD DATE: 06-14-1954 COMP DATE: 11-20-1954 ELEV: 4307 DF
DRILLERS TD: 13500 LOG TD:

<<CASING>>

13-24/64	@	601	W/ 550	SX
08-40/64	@	4199	W/ 3200	SX
05-32/64	@	13493	W/ 1475	SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRD1011,
CC-CNTRED 1967,RE-ENTERED 1982,NC SHOW,IP
DATA,PRODUCTION TESTS,FORMATION TESTS,
TREATMENTS,RAN: ML ES GRNL GRL,PRODUCTS FROM
WFMP,ATB DRILL

<<INITIAL POTENTIAL>>

PFS 13380-13420 WITH/IP OIL: 1580BBLS/D GAS: SW:
HOUR TEST: 6 CH:20/64 TP: 1200 SITP: GOR: 595 FM:
PFS 9682- 9862 WITH/IP OIL: 202BBLS/D GAS: SW: 73BBLS/D
HOUR TEST: 23 CH:18/64 TP: SITP: GOR: 1546 FM:WFMP
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9029-9850,11980-12235,13240-13412,13414-13460,13461-1350_,

<<TOPS AND BASES>>

AMOCO-REDTOP	STRN ----- 10985	HUCO ----- 8936	CSCO -ZZZ-10122
QUEN ----- 3330	MSSP -----12726	MRRN -----12236	ATOK -ZZZ-11801
SADR ----- 4108	WDFD -----13286	MSSP -----12716	CSTR -ZZZ-12421
GLRT ----- 5655	DVNN -----13370	WDFD -----13276	MPL4 -ZZZ-12668
DEKO ----- 6660	PI TOPS	DVNN -----13370	SCL4 -ZZZ-12700
AEC ----- 7649	GLRT ----- 5670	PI SAMPLE TOPS	URNT -ZZZ-12832
WFMP ----- 8935	TLBB ----- 6870	SADR ----- 4100	ELRG -ZZZ-12900
CNYN -----10550	AEC ----- 7624	INTERPOLATED TOPS	

<<INITIAL POTENTIAL>>

FROM PERF AT 13380-13420 BY FLOW RECOVERED 1580 BBLS/D OIL OVER A 6 HOUR PERIOD USING 20/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 1200 PSI CASING PRESSURE PKR PSI PACKER SET AT 13340 FEET PLUG-BACK TO 13480 FEET, GOR OF 595 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 54.0
FROM PERF AT 13380-13420 BY G-LIF RECOVERED 14 BBLS/D OIL 64 MCFD GAS 202 BBLS/D WATER OVER A 24 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 13420 FEET, GOR OF 4621
FROM PERF AT 9682-9862 IN THE WFMP BY FLOW RECOVERED 202 BBLS/D OIL 73 BBLS/D WATER OVER A 23 HOUR PERIOD USING 18/64 INCH CHOKE, GOR OF 1546

<<PRODUCTION TESTS>>

SWAB PERF AT 13380-13420

<<FORMATION TESTS>>

DST FROM 9629 TO 9850 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 21 MIN, FLOWED 1648 MCFD GAS WITH A TIME TO SURFACE OF 4 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 15 MINS, FLOWED 72 BPH OIL WITH A TIME TO SURFACE OF 21 MINS, OPEN FLOWING PRESSURES: FIRST INITIAL 1500 FIRST FINAL 2100, SHUTIN PRESSURES: FINAL SHUT-IN 3450 ON A 15 MIN TEST
DST FROM 11980 TO 12235 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 2300 FT WTR CUSH,RECOVERED 40 FT SLT GAS CUT MUD,OPEN FLOWING PRESSURES: FIRST FINAL 1240, SHUTIN PRESSURES: FINAL SHUT-IN 1680 ON A 15 MIN TEST
DST FROM 13240 TO 13410 WITH 3000 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR 45 MIN, FLOWED CUSH WITH A TIME TO SURFACE OF 70 MINS, FLOWED 880 MCFD GAS WITH A TIME TO SURFACE OF 70 MINS, FLOWED 66 BPH OIL WITH A TIME TO SURFACE OF 95 MINS, OPEN FLOWING PRESSURES: FIRST INITIAL 2475 FIRST FINAL 4275, SHUTIN PRESSURES: FINAL SHUT-IN 5175 ON A 15 MIN TEST
DST FROM 13414 TO 13460 WITH 2000 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR 30 MIN, FLOWED GAS WITH A TIME TO SURFACE OF 180 MINS, RECOVERED 2000 FT WTR CUSH,RECOVERED 220 FT OIL GAS CUT MUD,RECOVERED 1300 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 945 FIRST FINAL 1215, SHUTIN PRESSURES: FINAL SHUT-IN 5130 ON A 15 MIN TEST
DST FROM 13461 TO 13500 RESULTS OF DST: PKR
DST FROM 13445 TO 13500 WITH 2000 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, RECOVERED 2000 FT WTR CUSH,RECOVERED 270 FT OIL GAS CUT MUD,RECOVERED 270 FT OIL, OPEN FLOWING PRESSURES: FIRST FINAL 990, SHUTIN PRESSURES: FINAL SHUT-IN 4500 ON A 15 MIN TEST

TREATED PERF INTERVAL AT 13380 TO 13420 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 13380 TO 13420 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 9682 TO 9862 BY ACID USING 5000 GALS ACID

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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 2 TWP: 016 S RNG: 032 E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 15 FIELD: ANDERSON RANCH DEVON
LAT: 32.94790 LON: 103.73920

DRILLING PROBLEMS: HOLE IN 5-32 CSG SQZD 3265X
RAN THE FOLLOWING LOGS: AL,ES,GRNL,GRL FROM 2500 TO 13480 BY LANE, ### DUMMY PGM CTL TO CORRECT TOPS FMPROD FLAG

RE-ENTERED: ON 09-22-1957 LEASE CARRIED AS THE CONTINENTAL OIL CO. NUMBER 15 ANDERSON RANCH UNIT
RECOMPLETED 10-15-1957, INITIAL FIELD, FINAL OIL,
RECOMPLETED 03-26-1962, INITIAL FIELD, FINAL OIL.
ABANDONED MM-DD-YYYY.

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AMOCO PRODUCTION COMPANY API NO: 30-025-03568-00

EXPLORATION SYSTEMS SCOUT TICKET (T-3)

STATE: NM COUNTY: LEA
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 7 FIELD: ANDERSON RANCH DEVON
SEC: 2 TWP: 21S RNG: 32E
LOCATION NARRATIVE: 660FS L 1980FE L SEC LAT: 32.94430 LON: 103.73489
SPUD DATE: 11-20-1953 COMP DATE: 05-14-1954 ELEV: 4316 DF
DRILLERS TD: 13663 LOG TD:

<<CASING>>

13-24/64	@	615	W/	500 SX
OC-40/64	@	4207	W/	4225 SX
OS-32/64	@	13667	W/	1970 SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODUTIL,
RE-ENTERED 1971,PC SHOW,IP DATA,TREATMENTS,
RAN: GRNL GRL,PRODUCES FROM DVNN,PRODUCES
FROM MRRW,ATP DRILL

<<INITIAL POTENTIAL>>

PFS 13325-13430 WITH/IP OIL: 760BBLS/D GAS: SW:
HOUR TEST: 4 CH: 32/64 TP: 350 SITP: GOR: 656 FM:DVNN
PFS 12103-12140 WITH/IP OIL:
HOUR TEST:101 CH: /64 TP: GAS: 2122MCFD SW:
PFS SITP: GOR: 84200 FM:MRRW
HOUR TEST: CH: /64 TP: WITH/IP OIL:
FORMATION TESTS: 9511-9738, 9725-9950,13162-13426,13483-13568, GAS: SW:
SITP: GOR: FM:

<<TOPS AND (BASES)>>

RI TOPS		REND ------	12030	DRKC -ZZZ-	6656	CSTR -ZZZ-	12456
SADR ------	4160	MRRW ------	12180	ABO -ZZZ-	6656	MELM -ZZZ-	12666
GLRT ------	5663	WSSP ------	12657	CSCC -ZZZ-	10156	SCLA -ZZZ-	12762
TUBB ------	6941	WCFD ------	13224	CNYN -ZZZ-	10608	BRNT -ZZZ-	12918
ABO ------	7692	DVNN ------	13311	STRN -ZZZ-	11056	ELRS -ZZZ-	12922
HUCO ------	8925	INTERPOLATED TOP		ATCK -ZZZ-	11911		

<<INITIAL POTENTIAL>>

FROM PERF AT 13325-13430 IN THE DVNN BY FLOW RECOVERED 760 BBLS/D OIL OVER A 6 HOUR PERIOD USING 32/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 350 PSI PLUG-BACK TD 13519 FEET, GOR OF 656 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 54.0

FROM PERF AT 12103-12140 IN THE MRRW BY FLOW RECOVERED 2122 MCFD GAS OVER A 101 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TD 12300 FEET ABSOLUTE CALCULATED OPEN FLOW 2122 MCFD, FOUR POINT TEST RESULTS-FIRST POINT: FLOWED 360 MCFD FLOWING TUBING PRESSURE 2274 PSI SECOND POINT: FLOWED 555 MCFD FLOWING TUBING PRESSURE 1744 PSI THIRD POINT: FLOWED 1360 MCFD FLOWING TUBING PRESSURE 1472 PSI FORTH POINT: FLOWED 1776 MCFD FLOWING TUBING PRESSURE 1125 PSI, GOR OF 84200 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 46.5, WATER ANALYSIS RESULTS: GRAVITY OF GAS-.705

<<FORMATION TESTS>>

DST FROM 9511 TO 9738 WITH A 1-00/64 INCH TOP C-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 30 FT MUD

DST FROM 9725 TO 9950 WITH A 1-00/64 INCH TOP C-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, FLOWED 1360 MCFD GAS WITH A TIME TO SURFACE OF 13 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 47 MINS, FLOWED 38 BPH OIL, RECOVERED 180 FT OIL GAS SUL WTR CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 1975, SHUTIN PRESSURES: FINAL SHUT-IN 3550 ON A 15 MIN TEST

DST FROM 13152 TO 13426 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 5 HOUR 20 MIN, FLOWED 203 MCFD GAS WITH A TIME TO SURFACE OF 17 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 205 MINS, FLOWED 75 BPH OIL, RECOVERED 6000 FT OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 1060 FIRST FINAL 3580, SHUTIN PRESSURES: FINAL SHUT-IN 4160 ON A 15 MIN TEST

DST FROM 13483 TO 13568 WITH 2550 FT ATR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 5 HOUR, RECOVERED 2560 FT GAS CUT WTR CUSH, RECOVERED 930 FT GAS CUT MUD, RECOVERED 6556 FT SALT WTR, OPEN FLOWING PRESSURES: FIRST FINAL 4680, SHUTIN PRESSURES: FINAL SHUT-IN 5175 ON A 15 MIN TEST

TREATED PERF INTERVAL AT 13325 TO 13430 BY ACID USING 1000 GALS ACID
RAN THE FOLLOWING LOGS: GRNL,GRL FROM 4100 TO 13570 BY PGAC, *** DUMMY PSE CTL TO CORRECT TOPS EMBOSS FLAG

RE-ENTERED: LEASE CARRIED AS THE CONTINENTAL OIL CO. NUMBER 7 ANDERSON RANCH UNIT
RECOMPLETED 04-17-1971, INITIAL DEV, FINAL GSC.
ABANDONED IN (DVNN), 04-17-1971.

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-00385-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 11 TWP: 21S RNG: 32E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 3 FIELD: ANDERSON RANCH DEVON
LAT: 32.48060 LON: 103.73050
LOCATION NARRATIVE: 660FN L 660FE L SEC

SPUD DATE: 06-02-1953 COMP DATE: 09-30-1953 ELEV: 4315 DF
DRILLERS TD: 13540 LOG TD:

<<CASING>>

13-24/64	@ 550	W/ 500	SX
09-40/64	@ 4332	W/ 2375	SX
05-32/64	@ 13540	W/ 1512	SX
	@	W/	SX
	@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PROD/OIL,
RE-ENTERED 1969,RE-ENTERED 1970,NO SHOW,ID
DATA,PRODUCTION TESTS,FORMATION TESTS,
TREATMENTS,SAN: ES GRNL GRL,PRODUCES FROM
MRRW,PRODUCES FROM WFMP,AIR DRILL

<<INITIAL POTENTIAL>>

PFS 13370-13537 WITH/IP OIL: 1000BBLS/D GAS: SW:
HOUR TEST: 6 CH: 20/64 TP: 1400 SITP: GOR: 943 FM:
PFS 12148-12207 WITH/IP OIL: 226BBLS/D GAS: 3123MCFD SW:
HOUR TEST: 95 CH: /64 TP: SITP: GOR: 9230 FM:MRRW
PFS 9717- 9795 WITH/IP OIL: 15BBLS/D GAS: SW: 10BBLS/D
HOUR TEST: 24 CH: /64 TP: SITP: GOR: 105 FM:WFMP
FORMATION TESTS: 9710-9915, 9920-10025,12140-12170,13120-13489,

<<TOPS AND(BASES)>>

AMOCO-REDTOP	PI TOPS	OSSD 12134	ATOK -ZZZ-11815
SADF 4220	ANDR 1409	MSRL 12234	MRRW -ZZZ-12243
GLRT 5690	SALT 1420	MSSP 12700	CSTR -ZZZ-12481
ORKD 6860	YTES 2560	MDFD 13264	SCLA -ZZZ-12816
ABO 7515	SADR 1191	DVNN 13354	BLNG -ZZZ-12935
WFMP 8935	GLRT 5680	INTERPOLATED TOP	BPNT -ZZZ-12994
MPLM 12700	TUBB 6955	OSSD -ZZZ-10146	PI BASES
WOFD 13265	ABO 7405	CNYN -ZZZ-10563	SALT 2765
DVNN 13350	PLCD 8953	STRN -ZZZ-11139	

<<INITIAL POTENTIAL>>

FROM PERF AT 13370-13537 BY FLOW RECOVERED 1000 BBLS/D OIL OVER A 6 HOUR PERIOD USING 20/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 1400 PSI CASING PRESSURE 900 PSI PLUG-BACK TD 13537 FEET, GOR OF 943 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 54.0
FROM PERF AT 12148-12207 IN THE MRRW BY FLOW RECOVERED 226 BBLS/D OIL 3123 MCFD GAS OVER A 95 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TD 13050 FEET ABSOLUTE CALCULATED OPEN FLOW 31230 MCFD, FOUR POINT TEST RESULTS-FIRST POINT: FLOWED 567 MCFD FLOWING TUBING PRESSURE 2250 PSI SECOND POINT: FLOWED 1078 MCFD FLOWING TUBING PRESSURE 1830 PSI THIRD POINT: FLOWED 1667 MCFD FLOWING TUBING PRESSURE 1475 PSI FORTH POINT: FLOWED 2587 MCFD FLOWING TUBING PRESSURE 790 PSI, GOR OF 9230 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 52.4, WATER ANALYSIS RESULTS: GRAVITY OF GAS=.736
FROM PERF AT 9717-9795 IN THE WFMP BY PUMP RECOVERED 15 BBLS/D OIL 10 BBLS/D WATER OVER A 24 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TD 9900 FEET, GOR OF 105 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 41.2

<<PRODUCTION TESTS>>

SWAB PERF AT 13507-13537
FROM PERF AT 13370-13537 BY FLOW RECOVERED 250 BBLS OIL OVER A 6 HOUR PERIOD
FROM PERF AT 12148-12207 IN THE MRRW BY FLOW RECOVERED 18 BBLS OIL 3 BBLS/D WATER OVER A 8 HOUR PERIOD USING 48/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 50 PSI

<<FORMATION TESTS>>

DST FROM 9710 TO 9915 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR 20 MIN, FLOWED GAS WITH A TIME TO SURFACE OF 3 MINS, FLOWED 45 BPH OIL WITH A TIME TO SURFACE OF 22 MINS, OPEN FLOWING PRESSURES: FIRST FINAL 2250, SHUTIN PRESSURES: FINAL SHUT-IN 2950 ON A 15 MIN TEST
DST FROM 9920 TO 10025 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 30 MIN, RECOVERED 225 FT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 100 FIRST FINAL 150, SHUTIN PRESSURES: FINAL SHUT-IN 950 ON A 15 MIN TEST
DST FROM 12140 TO 12170 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOURS, FLOWED 4500 MCFD GAS, FLOWED 30 BPH OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 2850 FIRST FINAL 2560, SHUTIN PRESSURES: FINAL SHUT-IN 5050 ON A 902 HOUR TESTUSING A 0-32/64 INCH TOP CHOKE
DST FROM 13120 TO 13489 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 4 HOUR 30 MIN, RECOVERED 2300 FT WTR CUSH,RECOVERED 2170 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 2500 FIRST FINAL 3375, SHUTIN PRESSURES: FINAL SHUT-IN 5300 ON A 15 MIN TEST

AMOCO PRODUCTION COMPANY API NO: 30-025-00385-00

EXPLORATION SYSTEMS SCOUT TICKET(T=3)

STATE: NM COUNTY: LEA SEC: 11 TWP: 21S RNG: 37E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 3 FIELD: ANDERSON RANCH DEVON
LAT: 32.94060 LON: 103.73060

TREATED PERF INTERVAL AT 13507 TO 13537 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 13377 TO 13537 BY ACID USING 1500 GALS ACID
TREATED PERF INTERVAL AT 12143 TO 12207 BY ACID USING 250 GALS ACID
TREATED PERF INTERVAL AT 12143 TO 12207 BY CLAG USING 4000 GALS ACID
TREATED PERF INTERVAL AT 9822 TO 9854 BY ACID USING 2500 GALS ACID
TREATED PERF INTERVAL AT 9717 TO 9795 BY ACID USING 5000 GALS ACID
RAN THE FOLLOWING LOGS: ES,GRNL,GRI FROM 2490 TO 13534 BY WELEX, *** DUMMY PGM CTL TO CORRECT TOPS ENERGD FLAG

RE-ENTERED: LEASE CARRIED AS THE CONTINENTAL OIL CO. NUMBER 3 ANDERSON RANCH UNIT
RECOMPLETED 08-18-1969, INITIAL DEV. FINAL GSC.
RECOMPLETED 08-02-1970, INITIAL DEV. FINAL OIL.
ABANDONED 08-18-1969. IN (MRR*), 07-07-1970.

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-03894-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 11 TWP: 21S RNG: 32E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 2 FIELD: ANDERSON RANCH DEVON
LAT: 32.94060 LON: 103.7392)
LOCATION NARRATIVE: 660FN L 1980FW L SEC

SPUD DATE: 05-11-1965 COMP DATE: 11-04-1965 ELEV: 4321 DF
DRILLERS TD: 13703 LOG TD:

<<CASING>>

13-3/4/64	@	556	W/ 500	SX
09-5/8/40	@	4214	W/ 4405	SX
05-1/2/32	@	13700	W/ 1675	SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODOIL,
RE-ENTERED 1969,PC SHOW,IP DATA,PRODUCTION
TESTS,FORMATION TESTS,TREATMENTS,RAN: DS GRNL
GRL,VELOCITY FILS,PRODUCES FROM WFMP,DIL DRILL

<<INITIAL POTENTIAL>>

PERS 13382-13493 WITP/IP OIL: 1288BBLS/D GAS: SW:
HOUR TEST: / CH:25/64 TP: 500 SITP: GOR: 272 FM:
PERS 9785- 9859 WITP/IP OIL: 500BBLS/D GAS: SW: 13BBLS/D
HOUR TEST: 24 CH:19/64 TP: 350 SITP: GOR: FM:WFMP
PERS - WITP/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9650-9871,12070-12212,12447-12665,13180-13546,13664-1370_,

<<TOPS AND(BASES)>>

AMOCO-PROJCO	ANDR ----- 1207	MSSP -----12700	SCLM -222-12750
SADR ----- 4210	SALT ----- 1411	WDFD -----13266	SPNT -222-12911
GLRT ----- 5675	YTES ----- 2550	DVNN -----13378	BLDG -222-12947
DRKD ----- 6660	SADR ----- 4177	INTERCLATED TOP	SLDV -222-13664
ABO ----- 7670	GLRT ----- 5672	CSCC -222-10120	FSLM -222-13702
WFMP ----- 8959	TUBB ----- 6960	CNYN -222-10608	PI BASES
MPLM -----12700	ABO ----- 7602	STRN -222-11023	SALT ----- 2300
WDFD -----13200	WFMP ----- 8943	ATOK -222-11787	
DVNN -----13350	BEND -----12190	MRRW -222-12936	
PI TOPS	MISL -----12247	CSTR -222-12461	

<<INITIAL POTENTIAL>>

FROM PERF AT 13382-13493 BY FLOW RECOVERED 1288 BBLS/D OIL OVER A 6 HOUR PERIOD USING 25/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 500 PSI CASING PRESSURE 700 PSI PLUG-BACK TD 13645 FEET, GOR OF 272 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 54.0
FROM PERF AT 9785-9859 IN THE WFMP BY FLOW RECOVERED 500 BBLS/D OIL 13 BBLS/D WATER OVER A 24 HOUR PERIOD USING 19/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 350 PSI PLUG-BACK TD 9930 FEET

<<PRODUCTION TESTS>>

SWAB PERF AT 13382-13493 RECOVERED 100 BBLS OIL OVER A 10 HOUR PERIOD
FROM PERF AT 13382-13493 BY FLOW RECOVERED 200 BBLS OIL OVER A 3 HOUR 45 MIN PERIOD USING 40/64 INCH CHOKE

<<FORMATION TESTS>>

DST FROM 9650 TO 9871 WITH A 1-00/64 INCH TCP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR 55 MIN, FLOWED 1325 MCFD GAS WITH A TIME TO SURFACE OF 15 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 75 MINS, FLOWED 35 BW OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 2450 FIRST FINAL 2250, SHUTIN PRESSURES: FINAL SHUT-IN 3350 ON A 15 MIN TEST
DST FROM 12070 TO 12212 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TCP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 5 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 125 MINS, RECOVERED 2500 FT WTR CUSH,RECOVERED 294 FT HVY GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 1400, SHUTIN PRESSURES: FINAL SHUT-IN 3725 ON A 15 MIN TEST
DST FROM 12447 TO 12665 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TCP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 2500 FT WTR CUSH,RECOVERED 60 FT MUD, SHUTIN PRESSURES: FINAL SHUT-IN 1450 ON A 15 MIN TEST
DST FROM 13180 TO 13546 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TCP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, RECOVERED 2500 FT WTR CUSH,RECOVERED 5190 FT HVY OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 1760 FIRST FINAL 3825, SHUTIN PRESSURES: FINAL SHUT-IN 3650 ON A 15 MIN TEST
DST FROM 13664 TO 13703 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TCP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 10 MIN, RECOVERED 2500 FT WTR CUSH,RECOVERED 198 FT MUD,RECOVERED 1660 FT SUL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 1400 FIRST FINAL 1975, SHUTIN PRESSURES: FINAL SHUT-IN 5200 ON A 15 MIN TEST

<<CORE INFORMATION>>

TOOK CORES: 13327 TO 13344 RECOVERED 12.1 FT LITHOLOGY-(SSH), 13344 TO 13365 RECOVERED 48.0 FT DETAILED DESCRIPTION OF 30.00 LITHOLOGY-(SH) DETAILED DESCRIPTION OF 14.00 LITHOLOGY-(DOL DOL) DETAILED DESCRIPTION OF 1.00 LITHOLOGY-(DOL DOL), 13385 TO 13431 RECOVERED 44.0 FT LITHOLOGY-(DOL) POROUS

EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 11 TWP: 016_S RNG: 032_E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 2 FIELD: ANDERSON RANCH DEVON
LAT: 32.94060 LON: 103.73920

ZONE-(TYPE: GJU), 13431 TO 13480 RECOVERED 43.0 FT LITHOLOGY-(DOSL) POROUS ZONE-(TYPE: GU) SHOWS-(GOOD STNFL), 13488 TO 13513 RECOVERED 26.0 FT LITHOLOGY-(DOOL) POROUS ZONE-(TYPE: GU) SHOWS-(FAIR STNFL), 13600 TO 13655 RECOVERED 52.0 FT LITHOLOGY-(DOOL) POROUS ZONE-(TYPE: GU) SHOWS-(BLED OIL BLED G&W), 13655 TO 13703 RECOVERED 48.0 FT LITHOLOGY-(DOOL) SHOWS-(SLI G-ODR SLI G-ODR)

TREATED PERF INTERVAL AT 13382 TO 13493 BY CLAG USING 1000 GALS ACID
TREATED PERF INTERVAL AT 13382 TO 13493 BY ACID USING 4000 GALS ACID
TREATED PERF INTERVAL AT 9785 TO 9859 BY ACID USING 4000 GALS ACID
RAN THE FOLLOWING LOGS: FS,GRNL,GRL FROM 7216 TO 13765 BY SCHL,SPL FROM 3400 TO 13680 BY WESTN, *** DUMMY PGM CTL TO CORRECT TOPS ENTERED FLAG *** DUMMY PGM CTL TO CORRECT CORED INT DEPTHS ***

RE-ENTERED: LEASE CARRIED AS THE CONTINENTAL OIL CO. NUMBER 2 ANDERSON RANCH UNIT
RECOMPLETED 12-17-1969, INITIAL DEV, FINAL OIL.
ABANDONED 12-17-1969.

FORM 911 10-48 Dist. 4 SA

SCOUT TICKET

OUR No. 6361

COUNTY Lea (1-1/2 miles N of Stanolind Lease No. 69447)

STATE New Mexico (Wildcat)

ELEV. 4315

OPERATOR Continental

FARM Anderson Ranch Unit WELL NO. 1

SEC. 11 T. 16S R. 32E

SEC. BLK. SURVEY

LOC. 1980 FR. N FR. S 1980 FR. E FR. W

SPUD. 6-7-52 COMP. 7-4-53 T.D. 13,225 PB 13,500

CONTRACTOR Kerr TP 13,524

SHOT A/1500

T. AN. PROD. IP F 1944 BOPD

T. SALT GOR. 2/4 GR. 54

B. SALT PRESSURE: CASING 250 TUBING 750

T. YATES 2515 REMARKS: 30" CK 24 hr 7-4-53

T. GRAYBURG F 4500 MCFPD

T. S. A. 4214 (Wolf.) Perf 12,214-430

T. GLOR. 5680 " 264 12,442-474

T. C. F. T.Ab. 7595

T. TUBBS 6855

T. MISS. 12,200 T.Wolf 6330

T. DEV. 12,365 - D.P. stuck in hole at 12,365 ft

T. SIL. 13,116 - Mississ 12,500

T. MONTOYA

T. SIMPSON Wolf 13,270

T. ELLEN

13 3/4 379 350

9 5/8 4189 2300

2" 12,250 1000

5" Liner 12,200-13,211 100

5-28-52	RURT. 14000' test.	AUG 20 1952	TD 13,225
JUN 2 1952			DST 12,200-12,225
JUN 11 1952	4200 SL		op 1½ hrs
JUN 18 1952	TD 3103 Ho. Fair		Rec. 720' MCW
JUN 25 1952	4 3750 Lm.		DST 12,225-12,365
JUL 1 1952	4 4160 An Lm		op 3½ hrs Rec 1455 MCW
JUL 9 1952	4 4870 Lm		0.65
	DST 4650-807		FP 2 hrs
	op 1½		Rec 60' MW
	Rec 90' M		FP 2½ hrs
JUL 16 1952	4 5100 Lm		DST 12,365-12,500
	7/8		op 1½ hrs
JUL 30 1952	4 6625 Lm SL		Rec 1455' MCW
AUG 4 1952	4 7156 Lm SL		0.65
	DST 5785-6085		FP 2 hrs
	op 1½ hrs, Weak Blow		DST 12,442-474
	Rec 65' M		op 1½ hrs
	P-O		Rec 1455' MCW
AUG 13 1952	TD 7595 Lm SL DST	AUG 27 1952	4 [illegible]
	7595-7625	SEP 3 1952	4 [illegible]

LOG

SEP 10	1952	[illegible]			
SEP 17	1952	[illegible]			
SEP 24	1952	TD 12120 in Sd Sh.	well is in, [illegible]		
		[illegible] -170			
		well is loaded,	pulled the tool,		
		ran 7" in and	ran 6 stands, and set 7" in the		
		cut casing and	equalized. Ran		
		set Gas anchor	Ran 7" to the 50 mill on CF2D.		
OCT 1	1952	TD 12120 in Sd	Ran 7" set plug and repair		
		unit			
OCT 8	1952	TD 12120 in Sd Sh.	MA Rig		
OCT 15	1952	TD 12120 in Sd Sh	RURT.		
OCT 22	1952	TD 12120 in Sd Sh	Fish for bit spear		
OCT 29	1952	"			
NOV 5	1952	"			
NOV 12	1952	"			
NOV 19	1952	" Temp.			
NOV 26	1952	"			
DEC 3	1952	"			
DEC 10	1952	TD 12120 in Sd Sh	Prep. @ 11,750		
DEC 17	1952	[illegible] Sd Sh.			
		[illegible] -120 ft in Sd Sh.			
		[illegible]			
		[illegible]			
DEC 22	1952	TD [illegible]	[illegible]		
		COTJ to 12272'			
JAN 6		[illegible]			
JAN 14	1953	[illegible]			
		OST 12455-572'			
		[illegible] GR 5			
		[illegible] 5570 SG Cut			
		[illegible] -1175	15# 3350		
JAN 21	1953	[illegible]			
JAN 28	1953	[illegible]			
FEB 4	1953	[illegible]			
FEB 11	1953	[illegible]			
FEB 18	1953	[illegible]			
FEB 25	1953	[illegible]			
MAR 4	1953	[illegible]			
MAR 11	1953	[illegible]			
		[illegible]	SLM 12437-[illegible]		
		[illegible] 3500 WR	[illegible]		
		[illegible]			
		[illegible]			

	TOP TUBB
PANNY	1290 + [illegible]
T. YATES	2540 + 1735
T. QUEEN	3240 + [illegible]
T.S.A.	4215 +100
T. GLORIETA	5670 -[illegible]
[illegible]	[illegible] -2540
T. ABO	7505 -3190
T. WOLFCAMP	8930 -4615
T. PENN	9550 ? -5235
T. MISS. LS.	10700 -6385
TWN-CYPRESS	13270 -8955
T. DEV.	13364 -9049

ORM 811 10-45

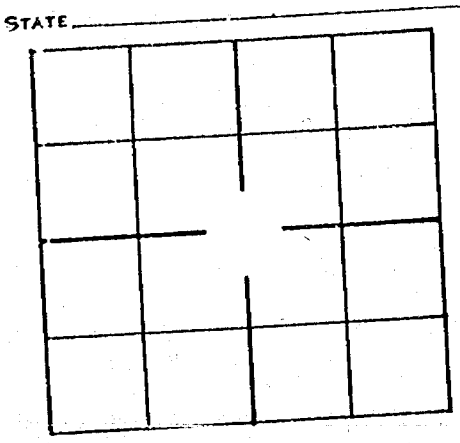
SCOUT TICKET

OUR NO

ELEV.

COUNTY

STATE



OPERATOR Continental

FARM [illegible] WELL NO. 1

SEC. T. R.

SEC. BLK. SURVEY

LOC. FR. N FR. S FR. E FR. W

SPUD COMP. T.D. PB

CONTRACTOR TP

SHOT

T. AN. PROD. IP

T. SALT GOR GR.

B. SALT PRESSURE: CASING TUBING

T. YATES REMARKS:

T. GRAYBURG

T. S. A.

T. GLOR.

T. C. F. Poor (2)

T. TUBBS

T. MISS.

T. DEV.

T. SIL.

T. MONTOYA

T. SIMPSON

T. ELLEN

Spud 5 c 9 3/4 [illegible]
set 9 5/8 csg 51#
cp 1:45 6:30 [illegible]
Pot. 10,000 Oil [illegible]
Lime 50 Lime 5100

FEB 25 1953 Lime 6100 Lm 6

Dst 13550-642
cp 1:45 2500 WB
Rec. WB = 315' SGCM
ISIP 1050 15 Min 1000
FP 1050 15 Min 1000
HH [illegible]

APR 1 1953 [illegible]

Dst 13655-775
cp 2:15
Rec. 3500 WB = 2000' Oil
[illegible]

APR 8 1953 TD 13775 Lm 13500
Core 1 13374-400
" 2 13400-474
Miss
Ftd 30 lb Mud
7000 cp 0
Gas 1653 MCFGPD

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-03383-00
PAGE (1) 1

EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 11 TWP: 016 S RNG: 032 E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 1 FIELD: ANDERSON RANCH DEVON
LAT: 32.93700 LON: 103.73420
LOCATION NARRATIVE: 1980FN L 1980FE L SEC

SPUD DATE: 06-09-1952 COMP DATE: 04-04-1953 ELEV: 4315 MS
DRILLERS TD: 13775 LOG TD:

<<CASING>>

13-24/64 @	379 W/	350 SX
09-40/64 @	4189 W/	2525 SX
07-00/64 @	12250 W/	1000 SX
05-00/64 @	13541 W/	100 SX
@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:AC,FINAL:OIL,WELL CLASS: PRODUCTL,
BLOWOUT,NO SHOW,TD DATA,PRODUCTION TESTS,
FORMATION TESTS,TREATMENTS,RAN: LL ML FS GRNL
PALEO SPL GRL,WITH FILE

<<INITIAL POTENTIAL>>

PFS 13374-13474 WITH/IP OIL: 1968BBLS/D GAS: SW:
HOUR TEST: @ CH:30/64 TP: 750 SITP: GOR: 248 FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 4550-4807, 8935-9048, 9525-9620, 9750-9834, 9934-9904,

<<TOPS AND (BASES)>>

AMOCO-PREDTOP	PI TOPS	CLEK 6260	SVRV -ZZZ- 2785
ABRY 1200	YTES 2545	FLRN 6666	CSCO -ZZZ-10121
YTES 2541	SADE 4214	ABO 7577	CNYN -ZZZ-10652
QUEN 3390	TUBB 6356	HUCO 8430	STRN -ZZZ-11093
SADE 4215	ABO 7596	PSLV 9215	ATOK -ZZZ-11765
GLRT 5670	HUCO 8430	MPLM 12703	CSTR -ZZZ-12460
DRKD 6955	WFMP 12350	WDFD 13273	SCLM -ZZZ-12799
ABO 7605	MSSP 12700	DVNN 13364	FLRS -ZZZ-12955
WFMP 8230	WDFD 13270	COMMERCIAL PALEO	ELRS -ZZZ-12978
PSLV 9250	DVNN 13766	ABO -1ST- 8560	PENT -ZZZ-12982
MPLM 12700	GEOMAP TOPS	DSMSL-1ST-11320	SLDV -ZZZ-13697
WDFD 13270	SADE 4216	INTERPOLATED TOP	
DVNN 13764	GLRT 5673	RSLB -ZZZ- 1312	

<<INITIAL POTENTIAL>>

FROM PERF AT 13374-13474 BY FLOW RECOVERED 1968 BBLS/D OIL OVER A 6 HOUR PERIOD USING 30/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 750 PSI CASING PRESSURE 250 PSI PLUG-BACK TD 13508 FEET, GOR OF 248 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 54.0

<<PRODUCTION TESTS>>

FROM PERF AT 13374-13474 BY FLOW RECOVERED 162 BBLS OIL 1553 MCFD GAS OVER A 1 HOUR PERIOD USING 48/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 500 PSI

<<FORMATION TESTS>>

DST FROM 4550 TO 4807 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 45 MIN, RECOVERED 30 FT MUD NS.

DST FROM 8935 TO 9048 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 25 FT MUD NS

DST FROM 9525 TO 9620 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 30 MIN, RECOVERED 90 FT MUD NS

DST FROM 9750 TO 9834 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR 30 MIN, FLOWED 855 MCFD GAS WITH A TIME TO SURFACE OF 5 MINS, FLOWED WTR WITH A TIME TO SURFACE OF 55 MINS, FLOWED 25 BPH OIL WITH A TIME TO SURFACE OF 65 MINS GRAVITY OF RECOVERED FLUID-42.5, OPEN FLOWING PRESSURES: FIRST INITIAL 750 FIRST FINAL 1150, SHUTIN PRESSURES: FINAL SHUT-IN 3600 ON A 30 MIN TEST

DST FROM 9934 TO 9904 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 10 MINS, RECOVERED 450 FT HVY OIL GAS CUT MUD,RECOVERED 120 FT OIL,RECOVERED 30 FT SALT SUL WTR, OPEN FLOWING PRESSURES: FIRST FINAL 325, SHUTIN PRESSURES: FINAL SHUT-IN 1400 ON A 30 MIN TEST

DST FROM 10230 TO 10312 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 30 MIN, RECOVERED 4770 FT SLI GAS CUT SUL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 350 FIRST FINAL 2350, SHUTIN PRESSURES: FINAL SHUT-IN 3600 ON A 30 MIN TEST

DST FROM 10860 TO 10934 WITH 2000 FT WTR CUSH, INITIAL OPEN 30 MIN, RECOVERED 2000 FT WTR CUSH,RECOVERED 15 FT MUD NS, OPEN FLOWING PRESSURES: FIRST FINAL 1000, SHUTIN PRESSURES: FINAL SHUT-IN 1250 ON A 30 MIN TEST

DST FROM 12435 TO 12578 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUS, FLOWED GAS WITH A TIME TO SURFACE OF 65 MINS, RECOVERED 3510 FT SLI GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 1075 FIRST FINAL 1175, SHUTIN PRESSURES: FINAL SHUT-IN 3350 ON A 45 MIN TEST

EXPLORATION SYSTEMS SCOUT TICKET(T-2)

STATE: NM COUNTY: LEA SEC: 11 TWP: 016_S RNG: 032_E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 1 FIELD: ANDERSON RANCH DEVON
LAT: 32.93700 LON: 103.73480

DST FROM 13263 TO 13408 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 00 MIN, FLOWED 613 MCFD GAS WITH A TIME TO SURFACE OF 82 MINS, FLOWED CUSH WITH A TIME TO SURFACE OF 95 MINS, FLOWED 37 BPH OIL GRAVITY OF RECOVERED FLUID=54.4 GOR OF 687, OPEN FLOWING PRESSURES: FIRST INITIAL 2575 FIRST FINAL 4050, SHUTIN PRESSURES: FINAL SHUT-IN 5275 ON A 15 MIN TEST

DST FROM 13415 TO 13513 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 4 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 180 MINS, RECOVERED 2500 FT WTR CUSH,RECOVERED 1000 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 1400 FIRST FINAL 3650, SHUTIN PRESSURES: FINAL SHUT-IN 5100 ON A 15 MIN TEST

DST FROM 13550 TO 13642 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 45 MIN, RECOVERED 2500 FT WTR CUSH,RECOVERED 315 FT SLI GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 1350, SHUTIN PRESSURES: FINAL SHUT-IN 4900 ON A 15 MIN TEST

DST FROM 13635 TO 13775 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR 15 MIN, RECOVERED 2500 FT WTR CUSH,RECOVERED 1100 FT SALT WTR CUT MUD,RECOVERED 5400 FT SALT WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 1675 FIRST FINAL 5425, SHUTIN PRESSURES: FINAL SHUT-IN 5550 ON A 15 MIN TEST

<<COMMENT INFORMATION>>

TOOK CORES: 12175 TO 12191 DETAILED DESCRIPTION OF.25 LITHOLOGY-(SH) DETAILED DESCRIPTION OF.25 LITHOLOGY-(CCN, CCNG), 12197 TO 12199 LITHOLOGY-(SSC)

TREATED PERF INTERVAL AT 13374 TO 13474 BY CLAG USING 1500 GALS ACID
BLOWOUT AT 12181WHILE AT 12170 CAUGHT CIRC
RAN THE FOLLOWING LOGS: IL,ML,SS,GRNL,DALEC BY DALEFL,SPLL BY PEDMBS,GRL FROM 0 TO 13779 BY SCHL,GRL FROM 0 TO 12510 BY WELEX

RE-ENTERED WITH TD IN THE CVNN

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-00394-00
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EXPLORATION SYSTEMS SPOT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 15 TWP: 016-S RNG: 032-E
COMPANY: CONTINENTAL OIL CO.
LEASE: STATE 015 WELL NO: 1 FIELD: ANDERSON RANCH WOLFC
LAT: 32.82260 LON: 103.75210
LOCATION NARRATIVE: 1980FN L 1980FE L SEC

SPUD DATE: 02-07-1953 COMP DATE: 08-26-1953 ELEV: 4324 MS
DRILLERS TD: 13692 LOG TD:

<<CASING>>

13-24/64	@	534	W/ 500	SX
09-40/64	@	4221	W/ 1500	SX
07-00/64	@	12433	W/ 575	SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:AC,FINAL:OIL,WELL CLASS: PRODOIL,RE-ENTERED 1954,FC SHOW,IP DATA,PRODUCTION TESTS, FORMATION TESTS,TREATMENTS,RAN: ES GRNL PALEO SPLL,PRODUCES FROM PSLV,AIR DRILL

<<INITIAL POTENTIAL>>

PFS 9849- 9869 WITH/IP OIL: 501 BBLS/D GAS: SW:
HOUR TEST: 8 CH:40/64 TP: 100 SITP: GOR: 564 FM:
PFS 12362-12401 WITH/IP OIL: 205 BLS/D GAS: SW:
HOUR TEST: 24 CH:00/64 TP: 50 SITP: GOR:TSTM000 FM:PSLV
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 8990-9062, 9590-9763, 9548-9763, 9840-9900, 9900-1001,

<<TOPS AND CASES>>

AMOCO-REDTOP	DVAN -----13640	MRRW -----12506	STRNL-IST=11990
ANHY -----1195	PUTOPS	MSSP -----12980	ATCK -IST-11840
YTES -----2555	ANDR -----1270	WOFD -----13540	MRRW -IST-12240
QUCN -----3420	SALT -----1385	DVAN -----13636	INTERPOLATED TOP
SADR -----4205	YTES -----2560	COMMERCIAL PALEO	ESLR -ZZZ- 1384
GLRT -----5675	SADR -----4204	WFMP -IST- 9010	SVRV -ZZZ- 2782
DEKD -----6880	GLRT -----5672	HUCO -IST- 9010	CNYN -ZZZ-10534
ABO -----7530	TUBB -----6376	HUCO-IST- 9010	STRN -ZZZ-11042
WFMP -----8990	AEC -----7627	HUCO-IST- 9520	SCLA -ZZZ-12758
PSLV -0 - 9905	HUCO -----8994	DESM -IST- 9900	MSSP -ZZZ-12912
MPLM -----12980	SDKS -----9900	CSCO -IST-10140	ELBG -ZZZ-13050
WOFD -----13545	BEND -----12350	CNLM -IST-10820	

<<INITIAL POTENTIAL>>

FROM PERF AT 9849-9869 BY FLOW RECOVERED 501 BBLS/D OIL OVER A 8 HOUR PERIOD USING 40/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 100 PSI CASING PRESSURE PKR PSI PACKER SET AT 9825 FEET PLUG-BACK TO 9904 FEET, GOR OF 564 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 37.6
FROM PERF AT 12362-12401 IN THE PSLV BY FLOW RECOVERED 50 BBLS/D OIL OVER A 24 HOUR PERIOD USING 1 00/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 50 PSI CASING PRESSURE PKR PSI PACKER SET AT 12390 FEET PLUG-BACK TO 12431 FEET, GOR OF TSTM000 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 43.0

<<PRODUCTION TESTS>>

SWAB PERF AT 9822-9834 RECOVERED 20 BBLS/D WATER OVER A 1 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 9904 FEET
SWAB PERF AT 9849-9869 OVER A 13 HOUR PERIOD
FROM PERF AT 9849-9869 BY FLOW RECOVERED 124 BBLS OIL OVER A 3 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 9904 FEET
SWAB PERF AT 12370-12398, TEST PRESSURES: PLUG-BACK TO 12431 FEET
FROM PERF AT 12362-12401 BY FLOW RECOVERED 15 BBLS OIL OVER A 24 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 12431 FEET
SWAB PERF AT 12362-12401 RECOVERED 74 BBLS OIL 3 BBLS/D WATER OVER A 24 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 12431 FEET

<<FORMATION TESTS>>

DST FROM 8990 TO 9062 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 45 MIN, RECOVERED 210 FT MUD, SHUTIN PRESSURES: FINAL SHUT-IN 325 ON A 15 MIN TEST
DST FROM 9590 TO 9763 RESULTS OF DST: PKR
DST FROM 9548 TO 9763 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 150 FT GAS CUT MUD, SHUTIN PRESSURES: FINAL SHUT-IN 300 ON A 15 MIN TEST
DST FROM 9840 TO 9900 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 12 MINS, RECOVERED 510 FT HVY OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 350, SHUTIN PRESSURES: FINAL SHUT-IN 3250 ON A 15 MIN TEST
DST FROM 9900 TO 10014 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR 30 MIN, RECOVERED 7260 FT SUL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 450 FIRST FINAL 3550, SHUTIN PRESSURES: FINAL SHUT-IN 3650 ON A 15 MIN TEST
DST FROM 11455 TO 11536 WITH 1800 FT ATR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 15 MIN, RECOVERED 1600 FT ATR

EXPLORATION SYSTEMS SCOUT TICKET(T-2)

STATE: NM COUNTY: LEA SEC: 15 TWP: 016_S RNG: 032_E
COMPANY: CONTINENTAL OIL CO.
LEASE: STATE 015 WELL NO: 1 FIELD: ANDERSON RANCH WOLFC
LAT: 32.92260 LON: 103.75210

CUSH,RECOVERED 35 FT MUD NS
DST FROM 12383 TO 12467 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 80 MINS, FLOWED OIL GRAVITY OF RECOVERED FLUID-44.9, RECOVERED 2500 FT WTR CUSH;RECOVERED 270 FT MUD;RECOVERED 3600 FT CUT, OPEN FLOWING PRESSURES: FIRST INITIAL 1350 FIRST FINAL 1400, SHUTIN PRESSURES: FINAL SHUT-IN 5400 ON A 15 MIN TEST
DST FROM 13500 TO 13689 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 4 HOUR 10 MIN, RECOVERED 2500 FT WTR CUSH,RECOVERED 744 FT MUD,RECOVERED 8850 FT SALT WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 1450 FIRST FINAL 5150, SHUTIN PRESSURES: FINAL SHUT-IN 5525 ON A 15 MIN TEST

TREATED PERF INTERVAL AT 9822 TO 9834 BY ACID USING 2000 GALS ACID
TREATED PERF INTERVAL AT 9849 TO 9869 BY ACID USING 2000 GALS ACID
TREATED PERF INTERVAL AT 9849 TO 9869 BY ACID USING 3000 GALS ACID
TREATED PERF INTERVAL AT 12370 TO 12388 BY CLAG USING 500 GALS ACID
TREATED PERF INTERVAL AT 12362 TO 12401 BY CLAG USING 500 GALS ACID
RAN THE FOLLOWING LOGS: DS,GRNL,PALEO BY PALEOL,SPLL BY PERMIS, *** DUMMY PGM CTL TO CORRECT TOPS ENDED FLAG

RE-ENTERED: ON 10-22-1953 LEASE CARRIED AS THE CONTINENTAL OIL CO. NUMBER 1 STATE 015
RECOMPLETED 01-07-1954, INITIAL WC, FINAL OIL.
ABANDONED 12-02-1954. 12-02-1954.

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-00376-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 2 TWP: 21S RNG: 32E
COMPANY: MID-CONTINENT PET CORP
LEASE: STATE 26 WELL NO: 1 FIELD: ANDERSON RANCH DEVON
LAT: 32.95510 LON: 103.7345
LOCATION NARRATIVE: 460FSL & 1990FEL & SEC

SPUD DATE: 01-25-1954 COMP DATE: 04-24-1954 ELEV: 4211 DF
DRILLERS TD: 13395 LOG TD: ORIGINAL ID: 10042

<<CASING>>

13-24/64	@ 512	W/ 500	SX
09-40/64	@ 4203	W/ 2500	SX
05-32/64	@ 13395	W/ 300	SX
	@	W/	SX
	@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:NEW,FINAL:D&A,WELL CLASS: D&A,PE-
ENTERED 1954,RE-ENTERED 1966,NO SACK,TD DATA,
TREATMENTS,PAN: ES ML GRNL SPLL GEL,DITM FILE,
PRODUCES FROM MRRW,AIR DRILL

<<INITIAL POTENTIAL>>

PFS 13352-13392 WTR/TP OIL: 525+BLS/D GAS: SW:
HOUR TEST: 9 CH:20/64 TP: 1000 SITP: GOR: PCR FM:
PFS 12160-12170 WTR/TP OIL: GAS: SW:
HOUR TEST: 12 CH:22/64 TP: 500 SITP: GOR: FM:MRRW
PFS - WTR/TP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9640-9765, 9751-9850, 9746-9850, 9847-9896, 9850-9895,

<<TOPS AND CASES>>

PI TOPS							
ANDR	1273	AEC	7674	SVRV	-ZZZ- 2751	ATOK	-ZZZ-11931
YTES	2493	WEMP	8926	GLEN	-ZZZ- 3353	MRRW	-ZZZ-12082
SADR	4072	WSSP	12580	DEKO	-ZZZ- 6847	CSTR	-ZZZ-12358
GLRT	5672	WCFD	13254	AEC	-ZZZ- 6847	MPLM	-ZZZ-12646
CLFK	6254	DVNN	13345	CSCC	-ZZZ-10103	SCLM	-ZZZ-12710
TUBB	6803	INTERPOLATED TOP		CNYN	-ZZZ-10949	BRNT	-ZZZ-12811
		BSLR	-ZZZ- 1393	STRN	-ZZZ-11367	ELRG	-ZZZ-12971

<<INITIAL POTENTIAL>>

FROM PERF AT 13352-13392 BY FLOW RECOVERED 525 BBLS/D OIL OVER A 9 HOUR PERIOD USING 20/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 1000 PSI PACKER SET AT 13342 FEET PLUG-BACK TD 13392 FEET, GOR OF 903 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 56.4
FROM PERF AT 12160-12170 IN THE MRRW BY FLOW OVER A 12 HOUR PERIOD USING 22/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 500 PSI PLUG-BACK TD 12150 FEET ABSOLUTE CALCULATED OPEN FLOW 7000 MCFD, RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 59.2

<<FORMATION TESTS>>

DST FROM 9640 TO 9765 WITH 800 FT ATR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR 30 MIN, FLOWED GAS WITH A TIME TO SURFACE OF 45 MINS, RECOVERED 800 FT WTR CUSH,RECOVERED 1010 FT HVY OIL GAS CUT MUD,RECOVERED 90 FT OIL, OPEN FLOWING PRESSURES: FIRST FINAL 800 (150 MINUTES), SHUTIN PRESSURES: FINAL SHUT-IN 560 ON A 15 MIN TEST
DST FROM 9751 TO 9850 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 600 FT WTR CUSH,RECOVERED 30 FT MUD, OPEN FLOWING PRESSURES: (60) MINUTES), SHUTIN PRESSURES: FINAL SHUT-IN 960 ON A 15 MIN TEST
DST FROM 9746 TO 9850 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 65 MINS, RECOVERED 150 FT SLT OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 100 (180 MINUTES), SHUTIN PRESSURES: FINAL SHUT-IN 1300 ON A 30 MIN TEST
DST FROM 9847 TO 9896 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR 30 MIN, RECOVERED 120 FT HVY OIL GAS CUT MUD, OPEN FLOWING PRESSURES: (150 MINUTES), SHUTIN PRESSURES: FINAL SHUT-IN 300 ON A 15 MIN TEST
DST FROM 9865 TO 9897 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 57 MINS, RECOVERED 368 FT OIL GAS CUT MUD,RECOVERED 6745 FT SUL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 215 FIRST FINAL 3035 (120 MINUTES), SHUTIN PRESSURES: FINAL SHUT-IN 3705 ON A 15 MIN TEST
DST FROM 12060 TO 12166 RESULTS OF DST: PKR
DST FROM 12063 TO 12168 WITH 2200 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR 15 MIN, FLOWED CUSH WITH A TIME TO SURFACE OF 17 MINS, FLOWED 2300 MCFD GAS WITH A TIME TO SURFACE OF 21 MINS, FLOWED OIL GRAVITY OF RECOVERED FLUID-45.1, FLOWED OIL GRAVITY OF RECOVERED FLUID-45.1, RECOVERED 837 FT OIL GAS CUT MUD,RECOVERED 279 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 2200 FIRST FINAL 3750 (135 MINUTES), SHUTIN PRESSURES: FINAL SHUT-IN 5825 ON A 45 MIN TEST
DST FROM 13350 TO 13391 WITH 4300 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, FLOWED OIL GRAVITY OF RECOVERED FLUID-46.0, FLOWED OIL GRAVITY OF RECOVERED FLUID-46.0, RECOVERED 3630 FT WTR

AMOCO PRODUCTION COMPANY API NO: 30-025-03376-00

EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA
COMPANY: MID-CONTINENT PET CORP SEC: 2 TWP: 016_S RNG: 032_E
LEASE: STATE 76 WELL NO: 1 FIELD: ANDERSON RANCH DEVON
LAT: 32.95510 LON: 103.73490

CUSH,RECOVERED 400 FT OIL GAS CUT MUD,RECOVERED 500 FT OIL GAS CUT WTR CUSH,RECOVERED 440 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 4800 FIRST FINAL 4800 (120 MINUTES), SHUTIN PRESSURES: FINAL SHUT-IN 4840 ON A 30 MIN TEST

DST FROM 13365 TO 13395 WITH 4050 FT WTR CUSH, INITIAL OPEN 2 HOUR, FLOWED OIL GRAVITY OF RECOVERED FLUID=48.0, FLOWED OIL GRAVITY OF RECOVERED FLUID=48.0, FLOWED OIL GRAVITY OF RECOVERED FLUID=48.0, RECOVERED 4050 FT OIL GAS CUT WTR CUSH,RECOVERED 125 BBLS OIL,RECOVERED 5 GALS OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 3240 FIRST FINAL 4545 (120 MINUTES), SHUTIN PRESSURES: FINAL SHUT-IN 5445 ON A 30 MIN TEST

<<CORE INFORMATION>>

TOOK CORES: 13380 TO 13395 RECOVERED 11.0 FT DETAILED DESCRIPTION OF 2.00 LITHOLOGY-(DOL) DETAILED DESCRIPTION OF 9.00 LITHOLOGY-(DOL) PHEOSITY-(D)

TREATED PERF INTERVAL AT 13382 TO 13392 BY CLAG USING 500 GALS ACID
TREATED PERF INTERVAL AT 12160 TO 12170 BY ACID USING 1000 GALS ACID
RAN THE FOLLOWING LOGS: ES,ML,GRAL,SPLL BY PERMES,GRL FROM 9400 TO 13390 BY LANE, *** DUMMY PGM CTL TO CORRECT TOPS PYERED FLAG

RE-ENTERED: ON 11-30-1995 LEASE CARRIED AS THE SUNRAY-MIDCONT OIL CO NUMBER 1 STATE 76
RECOMPLETED 02-09-1956, INITIAL DEV, FINAL OIL.
RECOMPLETED 11-10-1966, INITIAL DEV, FINAL GEC.

07/29/30 AMOCO PRODUCTION COMPANY API NO: 30-025-[illegible]-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 22 TWP: 21S RNG: 32E
COMPANY: TEXAS PACIFIC COAL&OIL
LEASE: LANE MILL UNIT WELL NO: 1 FIELD:
LAT: 32.67790 LON: 103.7378)
LOCATION NARRATIVE: 660FN L 1980FE L SEC

SPUD DATE: 11-06-1952 COMP DATE: 09-12-1953 ELEV: 4335 DF
DRILLERS TD: 13655 LOG TD:

<<CASING>>

13-24/64	@ 30	W/ 350	SX
09-40/64	@ 4104	W/ 1675	SX
07-00/64	@ 9900	W/ 300	SX
	@	W/	SX
	@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:WC,FINAL:D&A,WELL CLASS: D&A,WC-
ENTERED 1953,EC SECS,PRODUCTION TESTS,
FORMATION TESTS,TREATMENTS,PAN: ES PALEO SPILL
GEL,LITH CYLE

<<INITIAL POTENTIAL>>

PFS -- WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS -- WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS -- WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 8965- 9057, 9088- 9220, 9450- 9632, 9655- 9807, 9835- 993,

<<TOPS AND(BASES)>>

PI TOPS	DVNN 13580	WFMP 13607	RSLR -ZZZ- 1410
ANDR 1315	GEOMAP TOPS	DVNN 13664	SVRV -ZZZ- 2747
YTES 2504	YTES 2503	CONFIDENTIAL PALEO	DRKD -ZZZ- 6852
QUEN 3214	RDSO 3815	WFMP -1ST- 9070	ABO -ZZZ- 6852
SADR 4074	SADR 4025	HUCO -1ST- 9670	CSTK -ZZZ-12272
GLRT 5705	GLRT 5701	DEVN -1ST-10030	BRNT -ZZZ-12580
TUBB 6965	CLFK 6230	CSCO -1ST-10393	SCLM -ZZZ-12673
ABO 7653	PLEN 6925	STRA -1ST-11141	BL3G -ZZZ-12813
MSSP 12995	AEC 7624	STRNL-1ST-11460	BL3G -ZZZ-12814
PI SAMPLE TOPS	HUCO 8964	ATOK -1ST-11830	SLDV -ZZZ-13653
WFMP 9565	BSLV -0- 9407	MRRW -1ST-12100	
WOLF 13510	MELV 12997	INTERPOLATED TOP	

<<PRODUCTION TESTS>>

FROM PERF AT 9770-9790 BY FLOW RECOVERED 43 BBLS OIL 1 BBLS/D WATER OVER A 5 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 9835 FEET, GOR OF 776
SWAB PERF AT 9770-9790 RECOVERED 90 BBLS OIL OVER A 24 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 9835 FEET
SWAB PERF AT 9770-9790 RECOVERED 5 BBLS OIL 1 BBLS/D WATER OVER A 24 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 9235 FEET
SWAB PERF AT 9495-9545 RECOVERED 23 BBLS OIL 2 BBLS/D WATER OVER A 24 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 9620 FEET
SWAB PERF AT 9455-9545, TEST PRESSURES: PLUG-BACK TO 9620 FEET
FROM PERF AT 9374-9391 BY FLOW RECOVERED 3 BBLS OIL
SWAB PERF AT 9816-9823 RECOVERED 35 BBLS OIL 75 BBLS/D WATER OVER A 2 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 9659 FEET

<<FORMATION TESTS>>

DST FROM 8965 TO 9057 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 604 FT MUD
DST FROM 9088 TO 9220 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, RECOVERED 150 FT VERY SLI OIL GAS CUT MUD, SHUTIN PRESSURES: FINAL SHUT-IN 70 ON A 30 MIN TEST
DST FROM 9450 TO 9632 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 40 MINS, RECOVERED 920 FT HVY OIL GAS CUT MUD,RECOVERED 60 FT SALT WTR, OPEN FLOWING PRESSURES: FIRST FINAL 275, SHUTIN PRESSURES: FINAL SHUT-IN 725 ON A 30 MIN TEST
DST FROM 9655 TO 9807 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR 30 MIN, FLOWED 51 MCFD GAS WITH A TIME TO SURFACE OF 10 MINS, FLOWED OIL GRAVITY OF RECOVERED FLUID-42.4, RECOVERED 400 FT OIL CUT MUD,RECOVERED 3000 FT OIL,RECOVERED 20 FT FRSH WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 800 FIRST FINAL 1600, SHUTIN PRESSURES: FINAL SHUT-IN 2350 ON A 30 MIN TEST
DST FROM 9835 TO 9930 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 155 MINS, RECOVERED 450 FT SLI OIL GAS CUT MUD,RECOVERED 1000 FT SLI OIL GAS CUT SALT SUL WTR,RECOVERED 500 FT SLI GAS CUT SUL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 825 FIRST FINAL 975, SHUTIN PRESSURES: FINAL SHUT-IN 1350 ON A 30 MIN TEST
DST FROM 9960 TO 10035 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, RECOVERED 670 FT SLI OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 200, SHUTIN PRESSURES: FINAL SHUT-IN 2100 ON A 30 MIN TEST

07/23/80 AMOCO PRODUCTION COMPANY API NO: 30-025-00351-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 32 TWP: 015 S RNG: 032 E
COMPANY: TEXAS PACIFIC COAL&OIL
LEASE: LANE MILL UNIT WELL NO: 1 FIELD:
LAT: 32.9779Q LON: 103.7779Q

DST FROM 10105 TO 10240 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, RECOVERED 1000 FT WTR CUSH,RECOVERED 180 FT OIL GAS CUT MUD
DST FROM 10250 TO 10370 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, RECOVERED 1000 FT WTR CUSH,RECOVERED 540 FT GAS MUD CUT SUL WTR, OPEN FLOWING PRESSURES: FIRST FINAL 200, SHUTIN PRESSURES: FINAL SHUT-IN 3400 ON A 30 MIN TEST
DST FROM 13590 TO 13665 WITH 3300 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, RECOVERED 3300 FT WTR CUSH,RECOVERED 600 FT WTR CUT MUD,RECOVERED 3500 FT SALT WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 2150 FIRST FINAL 3450, SHUTIN PRESSURES: FINAL SHUT-IN 6500 ON A 15 MIN TEST

<<CORE INFORMATION>>

TOOK CORES: 9202 TO 9807 RECOVERED 15.0 FT DETAILED DESCRIPTION OF 2.00 LITHOLOGY-(LM) SHOWS-(STN-U FLU-U) DETAILED DESCRIPTION OF 13.00 LITHOLOGY-(LY) SHOWS-(NS), 9807 TO 9845 RECOVERED 36.1 FT DETAILED DESCRIPTION OF.50 LITHOLOGY-(SH) DETAILED DESCRIPTION OF 2.00 LITHOLOGY-(LM) DETAILED DESCRIPTION OF 34.00 LITHOLOGY-(SH SH), 9830 TO 9930 RECOVERED 48.0 FT DETAILED DESCRIPTION OF 21.00 LITHOLOGY-(LS) POROSITY-(G) SHOWS-(GOOD ODR-U GOOD FLU-U) DETAILED DESCRIPTION OF 22.00 LITHOLOGY-(LS) POROSITY-(D), 13619 TO 13665 RECOVERED 34.0 FT DETAILED DESCRIPTION OF 10.00 POROSITY-(G) SHOWS-(GOO) STN-U GOOD ODR-U) DETAILED DESCRIPTION OF 14.00 POROSITY-(F) SHOWS-(FAIR STN-U) DETAILED DESCRIPTION OF 10.00 LITHOLOGY-(LS) SHOWS-(NS)

TREATED PERF INTERVAL AT 9770 TO 9790 BY ACID USING 2000 GALS ACID
TREATED PERF INTERVAL AT 9770 TO 9790 BY ACID USING 5000 CALS ACID
TREATED PERF INTERVAL AT 9760 TO 9800 BY ACID USING 5000 GALS ACID
TREATED PERF INTERVAL AT 9495 TO 9545 BY CLAG USING 500 GALS ACID
TREATED PERF INTERVAL AT 9495 TO 9545 BY ACID USING 5000 GALS ACID
TREATED PERF INTERVAL AT 9876 TO 9891 BY CLAG USING 500 GALS ACID
TREATED PERF INTERVAL AT 9816 TO 9828 BY ACID USING 1500 CALS ACID
RAN THE FOLLOWING LOGS: ES,PALSO BY PALTOL,SOLL BY PERMES,GRL FROM 0 TO 13660 BY SCHL
RE-ENTERED: ON 08-25-1963 LEASE CARRIED AS THE GULF OIL CORP NUMBER 1 LEA-STATE G
RECOMPLETED 09-08-1963, INITIAL DEV. FINAL DEV.

07/29/8) AMOCO PRODUCTION COMPANY API NO: 30-025-01357-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 33 TWP: 21S RNG: 32E
COMPANY: UNION OIL CO. OF CALIF.
LEASE: STATE A 33 WELL NO: 1 FIELD: ANDERSON RANCH WOLFC
LAT: 32.96590 LON: 103.73020
LOCATION NARRATIVE: 330FS & 330FW L SEC

SPUD DATE: 07-20-1960 COMP DATE: 11-05-1960 ELEV: 4316 DF
DRILLERS TD: 13408 LOG TD:

<<CASING>>

13-3/8	@	602	W/	700 SX
09-5/8	@	4167	W/	700 SX
07-00/64	@	13397	W/	900 SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:WC,FINAL:N-OIL,WELL CLASS: PA(D&A)OIL,
EC SHOW,IP DATA,PRODUCTION TESTS,FORMATION
TESTS,TREATMENTS,RAN: ML ES IL GRL GRSL,
PRODUCES FROM WFMP,PRODUCES FROM DVNN,)]=
DRILL

<<INITIAL POTENTIAL>>

PFS 9852- 9876 WTR/IP OIL: 200BBLS/D GAS: SX:
HOUR TEST: 24 CH:12/64 TP: 950 SITP: GOR: 1710 FM:WFMP
PFS 13397-13408 WTR/IP OIL: 295BBLS/D GAS: SX:
HOUR TEST: 24 CH:36/64 TP: 60 SITP: GOR: 566 FM:DVNN
PFS - WTR/IP OIL: GAS: SX:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS:

<<TOPS AND(BASES)>>

PI TOPS	CNYN -----10540	QUEN -ZZZ- 3348	ATOK -ZZZ-11815
ANDS ----- 1313	MRRW -----11383	DRKD -ZZZ- 6673	CSTR -ZZZ-12356
YTES ----- 2507	WFLM -----12606	ABO -ZZZ- 6877	SCLM -ZZZ-12770
SADD ----- 4095	WFFB -----13205	TUBB -ZZZ- 6885	MSSP -ZZZ-12752
GLRT ----- 5676	DVNN -----13378	PSLV -ZZZ- 6889	UPNT -ZZZ-12756
CLFK ----- 5940	INTERPOLATED TOP	WFMP -ZZZ- 6895	ELRG -ZZZ-12855
ABO ----- 7610	RSLP -ZZZ- 1412	CSCG -ZZZ-10132	
HUCO ----- 8925	SVRV -ZZZ- 2764	STRN -ZZZ-11332	

<<INITIAL POTENTIAL>>

FROM PERF AT 9852-9876 IN THE WFMP BY FLOW RECOVERED 200 BBLS/D OIL OVER A 24 HOUR PERIOD USING 12/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 950 PSI CASING PRESSURE PKR PSI, GOR OF 1710 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 38.5
FROM OH AT 13397-13408 IN THE DVNN BY FLOW RECOVERED 295 BBLS/D OIL OVER A 24 HOUR PERIOD USING 36/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 60 PSI CASING PRESSURE PKR PSI, GOR OF 566 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 54.3

<<PRODUCTION TESTS>>

FROM OH AT 13397-13408 BY FLOW RECOVERED 295 BBLS OIL OVER A 24 HOUR 30 MIN PERIOD USING 20/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 60 PSI, RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 52.0
FROM PERF AT 9852-9876 BY FLOW RECOVERED 26 BBLS OIL OVER A 2 HOUR PERIOD USING 12/64 INCH CHOKE, TEST PRESSURES: PLUG-BACK TD 9910 FEET
SWAB PERF AT 9754-9762 RECOVERED 60 PCT WATER OVER A 5 HOUR 30 MIN PERIOD, TEST PRESSURES: PLUG-BACK TD 9802 FEET
SWAB PERF AT 9754-9762 RECOVERED 95 PCT WATER OVER A 5 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TD 9802 FEET

<<CORE INFORMATION>>

TOOK CORES: 9797 TO 9855 RECOVERED 58.0 FT LITHOLOGY-(LLM) DETAILED DESCRIPTION FROM 9845 TO 9855 SHOWS-(SAT OIL), 9855 TO 9913 RECOVERED 58.0 FT DETAILED DESCRIPTION OF 5.50 LITHOLOGY-(LM) POROSITY-(G) DETAILED DESCRIPTION OF 5.5) LITHOLOGY-(LS) POROSITY-(H) DETAILED DESCRIPTION OF 5.00 LITHOLOGY-(LM) POROSITY-(V) DETAILED DESCRIPTION OF 4.00 LITHOLOGY-(LS) POROSITY-(H) DETAILED DESCRIPTION OF 14.50 LITHOLOGY-(LS) SHOWS-(FLO-U) DETAILED DESCRIPTION OF 12.00 LITHOLOGY-(LS) POROSITY-(H) DETAILED DESCRIPTION OF 6.5) LITHOLOGY-(LS LS) SHOWS-(NS), 9917 TO 9948 RECOVERED 33.0 FT LITHOLOGY-(LLM) SHOWS-(NS), 9948 TO 9980 RECOVERED 30.0 FT LITHOLOGY-(LLS) SHOWS-(NS), 13277 TO 13398 RECOVERED 24.1 FT DETAILED DESCRIPTION OF 10.00 LITHOLOGY-(SH) DETAILED DESCRIPTION OF 1.00 LITHOLOGY-(DOL) DETAILED DESCRIPTION OF 3.5) LITHOLOGY-(DOL) DETAILED DESCRIPTION OF 10.00 LITHOLOGY-(DOL) POROSITY-(V) SHOWS-(GOOD OIL)
TOOK CORES: 13398 TO 13408 RECOVERED 5.1 FT LITHOLOGY-(DOL) POROUS ZONE-(TYPE: Z) SHOWS-(GOOD OIL)

TREATED PERF INTERVAL AT 9852 TO 9876 BY ACID USING 1500 GALS ACID
TREATED PERF INTERVAL AT 9754 TO 9762 BY ACID USING 250 GALS ACID
RAN THE FOLLOWING LOGS: ML,ES,IL,GRL,GRSL,GRL FROM 0 TO 13400 BY SCHL, ### DUMMY PGM CTL TO CORRECT TOPS ERRORS FLAG ### DUMMY PGM CTL TO CORRECT COORD IN DEPTHSHO SIGNS

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-00365-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 33 TWP: 21S RNG: 32E
COMPANY: UNION OIL CO. OF CALIF.
LEASE: STATE 33 WELL NO: 1 FIELD: ANDERSON RANCH WOLFC
LAT: 32.97420 LON: 103.72920
LOCATION NARRATIVE: 1980FSL & 660FWL SEC

SPUD DATE: 03-26-1960 COMP DATE: 07-15-1960 ELEV: 4325 DF
DRILLERS TD: 13502 LOG TD:

<<CASING>>

13-24/64	@	601	W/ 700	SX
09-40/64	@	4173	W/ 700	SX
05-32/64	@	10837	W/ 250	SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:WC,FINAL:OIL,WELL CLASS: PRODUCTION,WC
SHOW,IP DATA,PRODUCTION TESTS,FORMATION TESTS,
TREATMENTS,PAY: WL ES IL LL GRL GRNL GRSL
HYDE PALEO SELL,PRODUCES FROM WFMP,ATP DRILL

<<INITIAL POTENTIAL>>

PFS 9952- 9980 WITH/IP OIL: 1224BBLS/D GAS: SW:
HOUR TEST: 4 CH:30/64 TP: 800 SITP: GOR: 1550 FM:WFMP
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9462- 9565, 9742- 9780, 9798- 9856, 9962- 9945, 9948- 999 ,

<<TOPS AND(BASES)>>

RI TOPS	HUCO 8996	CNYN -1ST-10870	STRN -ZZZ-11434
ANDR 1220	CNYN 10594	CHRKL-1ST-11390	ATRN -ZZZ-11665
YTES 2505	CSTL 12328	STRNL-1ST-11390	BRNT -ZZZ-12491
QUEN 3345	WFLM 12710	ATCK -1ST-11890	SCLM -ZZZ-12742
SADR 4053	WCFD 13102	INTERPOLATED TOP	LLBG -ZZZ-12812
GLRT 5063	CNYN 13490	BSLR -ZZZ- 1426	MSSP -ZZZ-12864
CLRK 6360	COMMERCIAL PALEO	SYRV -ZZZ- 2773	
TUBB 6823	WFMP -1ST- 9932	DRKD -ZZZ- 3665	
ABO 7635	CSCC -1ST-10180	ABO -ZZZ- 6865	

<<INITIAL POTENTIAL>>

FROM PERF AT 9952-9980 IN THE WFMP BY FLOW RECOVERED 1224 BBLS/D OIL OVER A 4 HOUR PERIOD USING 30/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 800 PSI CASING PRESSURE PKR PSI PLUG-BACK TD 10827 FEET, GOR OF 1550 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 40.0

<<PRODUCTION TESTS>>

SWAB PERF AT 9952-9980 RECOVERED 84 BBLS OIL OVER A 12 HOUR 30 MIN PERIOD, TEST PRESSURES: PLUG-BACK TD 10827 FEET

<<FORMATION TESTS>>

DST FROM 9462 TO 9565 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, FLOWED TSTM GAS WITH A TIME TO SURFACE OF 14 MINS, RECOVERED 180 FT OIL GAS CUT MUD,RECOVERED 240 FT MUD CUT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 90 FIRST FINAL 165, SHUTIN PRESSURES: INITIAL SHUT-IN 2480 ON A 30 MIN TEST FINAL SHUT-IN 1520 ON A 45 MIN TEST

DST FROM 9742 TO 9780 INITIAL OPEN 30 MIN, RECOVERED 10 FT MUD NS, OPEN FLOWING PRESSURES: FIRST INITIAL 25 FIRST FINAL 25, SHUTIN PRESSURES: INITIAL SHUT-IN 55 ON A 30 MIN TEST FINAL SHUT-IN 40 ON A 30 MIN TEST

DST FROM 9798 TO 9856 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR 10 MIN, FLOWED GAS WITH A TIME TO SURFACE OF 5 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 51 MINS, FLOWED 20 BPH OIL WITH A TIME TO SURFACE OF 53 MINS GRAVITY OF RECOVERED FLUID-42.5 GOR OF 730, RECOVERED 5790 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 455 FIRST FINAL 1305, SHUTIN PRESSURES: INITIAL SHUT-IN 3315 ON A 30 MIN TEST FINAL SHUT-IN 3315 ON A 001 HOUR 30 MIN TEST

DST FROM 9962 TO 9945 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 25 MIN, FLOWED 8000 MCFD GAS WITH A TIME TO SURFACE OF 5 MINS, FLOWED 36 BPH OIL GRAVITY OF RECOVERED FLUID-42.0 GOR OF 730, RECOVERED 55 BBLS OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 2670 FIRST FINAL 3320, SHUTIN PRESSURES: INITIAL SHUT-IN 3590 ON A 30 MIN TEST FINAL SHUT-IN 3590 ON A 001 HOUR 30 MIN TESTSHUT-IN SURFACE PRESSURE 5000PSI USING A 0-40/64 INCH TOP CHOKE

DST FROM 9948 TO 9938 WITH 500 PSIG CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR 30 MIN, FLOWED GAS WITH A TIME TO SURFACE OF 26 MINS, FLOWED 33 BPH OIL WITH A TIME TO SURFACE OF 29 MINS GOR OF 1054, RECOVERED 9948 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 2340 FIRST FINAL 3220, SHUTIN PRESSURES: INITIAL SHUT-IN 3640 ON A 30 MIN TEST FINAL SHUT-IN 3640 ON A 001 HOUR 30 MIN TESTUSING A 0-25/64 INCH TOP CHOKE

DST FROM 9968 TO 10035 WITH 500 PSIG CUSH, WITH A 1-00/64 INCH TOP CHOKE, INITIAL OPEN 2 HOUR, FLOWED TSTM GAS WITH A TIME TO SURFACE OF 41 MINS, FLOWED OIL GRAVITY OF RECOVERED FLUID-43.0, RECOVERED 36 BBLS OIL,RECOVERED 12 BBLS SALT WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 1044 FIRST FINAL

AMOCO PRODUCTION COMPANY API NO: 30-025-01356-00

07/29/80
PAGE (2) 1 EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 33 TWP: 21S RNG: 32E
COMPANY: UNION OIL CO. OF CALIF. WELL NO: 1 FIELD: ANDERSON RANCH ATOKA
LEASE: STATE 33 LAT: 32.97420 LON: 103.72920

2445. SHUTIN PRESSURES: INITIAL SHUT-IN 2932 ON A 30 MIN TEST FINAL SHUT-IN 2747 ON A 001 HOUR 30 MIN TEST

DST FROM 10148 TO 10161 WITH 500 PSIG CUSH. WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE. INITIAL OPEN 2 HOUR, RECOVERED 150 FT MUD CUT SALT WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 100 FIRST FINAL 100, SHUTIN PRESSURES: INITIAL SHUT-IN 760 ON A 30 MIN TEST FINAL SHUT-IN 160 ON A 001 HOUR 30 MIN TEST

DST FROM 10906 TO 11012 WITH 500 PSIG CUSH. INITIAL OPEN 2 HOUR, RECOVERED 30 FT HVY OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 715 FIRST FINAL 715, SHUTIN PRESSURES: INITIAL SHUT-IN 3250 ON A 30 MIN TEST FINAL SHUT-IN 1265 ON A 30 MIN TEST

DST FROM 11276 TO 11312 WITH 500 PSIG CUSH. WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE. INITIAL OPEN 2 HOUR, RECOVERED 10 FT MUD NS, OPEN FLOWING PRESSURES: FIRST INITIAL 620 FIRST FINAL 1000, SHUTIN PRESSURES: INITIAL SHUT-IN 1120 ON A 30 MIN TEST FINAL SHUT-IN 1000 ON A 001 HOUR 30 MIN TEST

DST FROM 13482 TO 13502 INITIAL OPEN 4 HOUR, RECOVERED 250 FT GAS SALT WTR CUT MUD, RECOVERED 6600 FT SALT WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 1229 FIRST FINAL 3000, SHUTIN PRESSURES: INITIAL SHUT-IN 4739 ON A 1 HOUR TEST FINAL SHUT-IN 4623 ON A 001 HOUR TEST

TOOK CORES: 9856 TO 9903 RECOVERED 38.1 FT LITHOLOGY-(LLS) SHOWS-(OIL), 9910 TO 9945 RECOVERED 21.0 FT LITHOLOGY-(LLS) POROUS ZONE-(TYPE: O) SHOWS-(BLED OIL), 9948 TO 9988 RECOVERED 42.1 FT LITHOLOGY-(LLM) POROUS ZONE-(TYPE: Y) SHOWS-(BLED OIL), 9988 TO 10039 RECOVERED 51.0 FT DETAILED DESCRIPTION OF 1.50 LITHOLOGY-(LS) SHOWS-(SLSO OIL) DETAILED DESCRIPTION OF 30.50 LITHOLOGY-(LS) SHOWS-(BLED SWTR) DETAILED DESCRIPTION OF 15.00 LITHOLOGY-(SH), 13470 TO 13508 RECOVERED 28.0 FT DETAILED DESCRIPTION OF 13.00 LITHOLOGY-(SH) DETAILED DESCRIPTION OF 15.00 LITHOLOGY-(SH) SHOWS-(OIL) POROSITY-(Y) SHOWS-(OIL)

TREATED PERF INTERVAL AT 9952 TO 9980 BY ACID USING 1000 GALS ACID
RAN THE FOLLOWING LOGS: AL,ES,IL,LL,GFL,GFNL,GFSL,HYDF,PALEO BY PALEOL, SELL BY GEOLSV,GFL FROM 40 TO 13450 BY SSHL, *** DUMMY PGM CTL TO CORRECT TOOS ENPROD FLAG *** DUMMY PGM CTL TO CORRECT CORES INT DEPTHS0 SEGME

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-20370-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 02 TWP: 016 S RNG: 032 E
COMPANY: GULF OIL CORP
LEASE: LEA-STATE NCT-AB WELL NO: 1 FIELD: ANDERSON RANCH DEVON
LAT: 32.92240 LON: 103.73070
LOCATION NARRATIVE: 990FN L 660FE L SEC

SPUD DATE: 11-03-1957 COMP DATE: 05-14-1958 ELEV: 4314 DF
DRILLERS TD: 13420 LOG TD:

<<CASING>>

13-24/64	@	600	W/	725 SX
09-40/64	@	4174	W/	2770 SX
07-00/64	@	13391	W/	1250 SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:M-OIL,WELL CLASS:
PROD2OIL,PC SPCN,IP DATA,PRODUCTION TESTS,
FORMATION TESTS,TREATMENTS,RAN: NL GR SFNL,
PRODUCES FROM DVNN,PRODUCES FROM WFMP,ADJ
DRILL

<<INITIAL POTENTIAL>>

PFS 13391-13420 WITH/IP OIL: 456BBLS/D GAS: SW:
HOUR TEST: 18 CH:30/64 TP: 180 SITP: GOR: 658 FM:DVNN
PFS 9828- 9862 WITH/IP OIL: 135BBLS/D GAS: SW:
HOUR TEST: 24 CH:30/64 TP: 1050 SITP: GOR: 1614 FM:WFMP
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9715- 9815, 9828- 9862,13391-13410,13391-13420,

<<TOPS AND(CASES)>>

AMOCO-PENTOP	WFMP ------ 8038	WFMF ------ 8937	ATOK -222-11830
ANHY ------ 1305	YSSP ------12704	MSSF ------12610	MRRN -222-11911
YTES ------ 2513	WCFO ------13294	ADFO ------13290	CSTR -222-12375
QUEN ------ 3370	DVNN ------13360	DVNN ------13360	MPLM -222-12597
SADE ------ 4155	PI TOPS	INTERPOLATED TOP	SCLM -222-12730
GLRT ------ 5670	GLRT ------ 5630	CSCO -222-10141	BRNT -222-12793
DRKO ------ 6857	TUBB ------ 6890	CNYN -222-10527	EL PA -222-12843
ABO ------ 7625	ABO ------ 7610	STKN -222-11257	

<<INITIAL POTENTIAL>>

FROM OH AT 13391-13420 IN THE DVNN BY FLOW RECOVERED 456 BBLS/D OIL OVER A 18 HOUR PERIOD USING 30/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 180 PSI CASING PRESSURE PKR PSI, GOR OF 658 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 42.0
FROM PERF AT 9828-9862 IN THE WFMP BY FLOW RECOVERED 135 BBLS/D OIL OVER A 24 HOUR PERIOD USING 30/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 1050 PSI CASING PRESSURE 200 PSI, GOR OF 1614 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 42.0

<<PRODUCTION TESTS>>

FROM OH AT 13391-13420 BY FLOW RECOVERED 146 BBLS OIL OVER A 3 HOUR PERIOD USING 48/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 30 PSI
FROM OH AT 13391-13420 BY FLOW RECOVERED 217 BBLS OIL OVER A 24 HOUR PERIOD

<<FORMATION TESTS>>

DST FROM 9715 TO 9815 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, RECOVERED 120 FT SLI GAS CUT MUD,RECOVERED 60 FT SLI OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 140 FIRST FINAL 185, SHUTIN PRESSURES: FINAL SHUT-IN 1520 ON A 30 MIN TEST
DST FROM 9828 TO 9862 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 4 HOUR 15 MIN, FLOWED 8743 MCFD GAS WITH A TIME TO SURFACE OF 2 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 8 MINS, FLOWED 53 BPH OIL WITH A TIME TO SURFACE OF 15 MINS GRAVITY OF RECOVERED FLUID=42.0 GOR OF 1224, FLOWED 10 BPH WTR, RECOVERED 47 BBLS OIL,RECOVERED 100 FT SUL WTR,RECOVERED 5 BBLS SUL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 3225 FIRST FINAL 3428, SHUTIN PRESSURES: FINAL SHUT-IN 3575 ON A 30 MIN TEST
DST FROM 13391 TO 13410 WITH 1380 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 5 HOUR, RECOVERED 1380 FT WTR CUSH,RECOVERED 9510 FT OIL, OPEN FLOWING PRESSURES: FIRST INTTIAL 640 FIRST FINAL 3255, SHUTIN PRESSURES: FINAL SHUT-IN 4535 ON A 30 MIN TEST
DST FROM 13391 TO 13420 WITH 1350 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 6 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 90 MINS, RECOVERED 1350 FT WTR CUSH,RECOVERED 11375 FT OIL,RECOVERED 10 FT SALT WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 640 FIRST FINAL 3055, SHUTIN PRESSURES: FINAL SHUT-IN 4555 ON A 30 MIN TEST

TREATED OH INTERVAL AT 13391 TO 13420 BY ACID USING 500 GALS ACID
TREATED OH INTERVAL AT 13391 TO 13420 BY ACID USING 300 GALS ACID
RAN THE FOLLOWING LOGS: MI ,ES,GRNL, *** DUMMY PGN OIL TO CORRECT TOPS MARKER FLAG

RE-ENTERED WITH TD IN THE DVNN

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-00379-00
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EXPLORATION SYSTEMS SCOUT TICKET (T-3)

STATE: NM COUNTY: LEA SEC: 3 TWP: 21S RNG: 32E
COMPANY: MAGNOLIA PET. CO.
LEASE: NEW MEXICO-STATE S WELL NO: 1 FIELD: ANDERSON RANCH DEVON
LAT: 32.50240 LON: 103.73350
LOCATION NARRATIVE: 660FSL & 1650FEL SEC

SPUD DATE: 08-05-1957 COMP DATE: 01-03-1958 ELEV: 4308 DF ELEV: 4297.68
DRILLERS TD: 13509 LOG TD: ORIGINAL TD: 13420

<<CASING>>

13-24/64 @	462 W/	470 SX	
09-40/64 @	4122 W/	2100 SX	
07-40/64 @	10425 W/	350 SX	
05-32/64 @	13462 W/	650 SX	
04-00/64 @	13509 W/	60 SX	

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PROD101L,
RE-ENTERED 1959,RE-ENTERED 1962,,NO SHOW,IP
DATA,PRODUCTION TESTS,FORMATION TESTS,
TREATMENTS,PAN: ES LL ML GRNL GRL,PRODUCES
FROM DVNN,PRODUCES FROM WFMP,AIR DRILL

<<INITIAL POTENTIAL>>

PFS 13413-13418 WITH/IP OIL: 315BBLS/D GAS: SW:
HOUR TEST: 24 CH:30/64 TP: 200 SITP: GOR: 857 FM:DVNN
PFS 13442-13447 WITH/IP OIL: 260BBLS/D GAS: SW:
HOUR TEST: 24 CH:32/64 TP: 75 SITP: GOR: 870 FM:
PFS 9826- 9872 WITH/IP OIL: 266BBLS/D GAS: SW:
HOUR TEST: 24 CH: /64 TP: SITP: GOR: FM:WFMP
FORMATION TESTS: 9644-9744, 9749-9802, 9826-9850, 9860-9898, 9930-995[illegible]

<<TOPS AND(BASES)>>

AMOCO-REDTOP		WOLF	13213	YEC	7599	MBRW	-ZZZ-11901
ANHY	1282	DVNN	13410	PMPV	8922	CSTR	-ZZZ-12352
YTES	2491	EL TOPS		MSSP	12704	MPLM	-ZZZ-12589
QUEN	3743	ANDR	1282	WOLF	13214	SCLM	-ZZZ-12694
SADR	4106	SALT	1596	DVNN	13410	BRNT	-ZZZ-12744
GLET	5660	YTES	2502	INTERPOLATED TOPS		ELBG	-ZZZ-12836
DEKO	6848	QUEN	3334	CSCC	-ZZZ-10130	PI BASES	
ABO	7504	SADR	4104	CNYN	-ZZZ-10528	SALT	2393
WFMP	8920	GLET	5663	STRN	-ZZZ-11220		
MSSP	12710	TUBB	6850	ATOK	-ZZZ-11512		

<<INITIAL POTENTIAL>>

FROM PERF AT 13413-13418 IN THE DVNN BY FLOW RECOVERED 315 BBLS/D OIL OVER A 24 HOUR PERIOD USING 30/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 200 PSI CASING PRESSURE PKR PSI PLUG-BACK TO 13418 FEET, GOR OF 857 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 50.6
FROM PERF AT 13442-13447 BY FLOW RECOVERED 260 BBLS/D OIL OVER A 24 HOUR PERIOD USING 32/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 75 PSI PLUG-BACK TO 13507 FEET, GOR OF 870 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 51.0
FROM PERF AT 9826-9872 IN THE WFMP BY FLOW RECOVERED 266 BBLS/D OIL OVER A 24 HOUR PERIOD

<<PRODUCTION TESTS>>

SWAB PERF AT 13413-13418, TEST PRESSURES: PLUG-BACK TO 13418 FEET
SWAB PERF AT 13413-13418 RECOVERED 98 BBLS OIL OVER A 10 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 13418 FEET
SWAB PERF AT 13413-13418 RECOVERED 155 BBLS OIL OVER A 10 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 13418 FEET
SWAB PERF AT 13443-13460, TEST PRESSURES: PLUG-BACK TO 13507 FEET
SWAB PERF AT 13443-13460 RECOVERED 10 BBLS/D WATER OVER A 3 HOUR 30 MIN PERIOD, TEST PRESSURES: PLUG-BACK TO 13507 FEET
SWAB PERF AT 13443-13447 OVER A 16 HOUR 30 MIN PERIOD, TEST PRESSURES: PLUG-BACK TO 13507 FEET
SWAB PERF AT 13442-13447 RECOVERED 3 BBLS OIL 14 BBLS/D WATER OVER A 2 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 13507 FEET
FROM PERF AT 13442-13447 BY FLOW RECOVERED 252 BBLS OIL 37 BBLS/D WATER OVER A 48 HOUR PERIOD USING 32/64 INCH CHOKE, TEST PRESSURES: PLUG-BACK TO 13507 FEET, RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 52.0
SWAB PERF AT 13442-13447 RECOVERED 3 BBLS OIL 3 BBLS/D WATER OVER A 2 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 13507 FEET
FROM PERF AT 13442-13447 BY FLOW RECOVERED 121 BBLS OIL 11 BBLS/D WATER OVER A 11 HOUR PERIOD USING 32/64 INCH CHOKE

<<FORMATION TESTS>>

DST FROM 9644 TO 9744 WITH A 1-00/64 INCH TCP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR; FLOWED 35 MCFD GAS WITH A TIME TO SURFACE OF 16 MINS, FLOWED OIL GRAVITY OF RECOVERED FLUID-40.6, RECOVERED 800 FT HVY OIL CUT MUD,RECOVERED 1900 FT OIL ,RECOVERED 3600 FT SALT WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 475 FIRST FINAL 1935, SHUTIN PRESSURES: FINAL SHUT-IN 3725 ON A 30 MIN TEST
DST FROM 9749 TO 9802 WITH A 1-00/64 INCH TCP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, RECOVERED 190 FT SLT OIL CUT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 60 FIRST FINAL 115, SHUTIN PRESSURES: INITIAL SHUT-IN (IN A 30 MIN TEST FINAL SHUT-IN 940

EXPLORATION SYSTEMS SCOUT TICKET(T-8)

STATE: NM COUNTY: LEA SEC: 2 TWP: 016 S RNG: 032 E
COMPANY: MAGNOLIA PET. CO.
LEASE: NEW MEXICO-STATE S WELL NO: 1 FIELD: ANDERSON RANCH DEVON
LAT: 32.96840 LON: 103.73397

DST FROM 9820 TO 9850 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, FLOWED 1700 MCFD GAS WITH A TIME TO SURFACE OF 4 MINS, FLOWED OIL WITH A TIME TO SURFACE OF 7 MINS GRAVITY OF RECOVERED FLUID=41.6, FLOWED 145 BPH OIL GOR OF 670, RECOVERED 9020 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 2655 FIRST FINAL 3350, SHUTIN PRESSURES: FINAL SHUT-IN 3535 ON A 30 MIN TESTSHUT-IN SURFACE PRESSURE 2755PSI USING A 1-00/64 INCH TOP CHOKE
DST FROM 9860 TO 9893 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 40 MIN, FLOWED GAS WITH A TIME TO SURFACE OF 2 MINS, FLOWED 41 BPH OIL WITH A TIME TO SURFACE OF 7 MINS GRAVITY OF RECOVERED FLUID=39.5 GOR OF 1000, FLOWED 2 PCT WTR 8%-RS, RECOVERED 9860 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 2090 FIRST FINAL 2930, SHUTIN PRESSURES: FINAL SHUT-IN 3530 ON A 30 MIN TESTUSING A 0-40/64 INCH TOP CHOKE
DST FROM 9930 TO 9951 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 6 MINS, FLOWED OIL GRAVITY OF RECOVERED FLUID=38.6, RECOVERED 200 FT OIL GAS CUT MUD,RECOVERED 540 FT GAS CUT OIL,RECOVERED 1500 FT SALT WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 250 FIRST FINAL 965, SHUTIN PRESSURES: FINAL SHUT-IN 3265 ON A 30 MIN TEST
DST FROM 10990 TO 11082 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, RECOVERED 800 FT SLI OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 60 FIRST FINAL 250, SHUTIN PRESSURES: FINAL SHUT-IN 250 ON A 30 MIN TEST
DST FROM 13414 TO 13425 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, RECOVERED 900 FT OIL GAS CUT MUD,RECOVERED 270 FT GAS SLI OIL CUT MUD,RECOVERED 840 FT SALT WTR,RECOVERED 1310 FT SLI OIL MCO CUT SALT WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 170 FIRST FINAL 2300, SHUTIN PRESSURES: FINAL SHUT-IN 2530 ON A 30 MIN TEST
DST FROM 13428 TO 13443 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, FLOWED TSTM GAS WITH A TIME TO SURFACE OF 45 MINS, RECOVERED 200 FT GAS CUT MUD,RECOVERED 60 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 121 FIRST FINAL 332, SHUTIN PRESSURES: FINAL SHUT-IN 949 ON A 30 MIN TEST
DST FROM 13443 TO 13453 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 7 HOUR 30 MIN, FLOWED TSTM GAS WITH A TIME TO SURFACE OF 65 MINS, RECOVERED 100 FT GAS CUT MUD,RECOVERED 3500 FT HVY OIL GAS CUT MUD,RECOVERED 125 FT SALT WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 465 FIRST FINAL 2225, SHUTIN PRESSURES: FINAL SHUT-IN 4360 ON A 002 HOUR TEST
DST FROM 13453 TO 13493 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR RESULTS OF DST: OPE, RECOVERED 9600 FT MUD,RECOVERED 180 FT SALT WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 3450 FIRST FINAL 3500, SHUTIN PRESSURES: FINAL SHUT-IN 4545 ON A 30 MIN TEST

<<CORE INFORMATION>>

TOOK CORES: 8952 TO 8954 RECOVERED 2.0 FT LITHOLOGY-(LLS), 8954 TO 9005 RECOVERED 51.0 FT DETAILED DESCRIPTION OF 21.00 LITHOLOGY-(LS) DETAILED DESCRIPTION OF 4.00 LITHOLOGY-(DOL) SHOWS-(COR-U FAIR STN-U) DETAILED DESCRIPTION OF 8.00 LITHOLOGY-(LS) DETAILED DESCRIPTION OF 7.00 LITHOLOGY-(DOL) DETAILED DESCRIPTION OF 11.00 LITHOLOGY-(LS), 9005 TO 9061 RECOVERED 44.0 FT DETAILED DESCRIPTION OF 19.00 LITHOLOGY-(LS) DETAILED DESCRIPTION OF 16.00 LITHOLOGY-(LS) POROSITY-(F) SHOWS-(ELEO SWTR) DETAILED DESCRIPTION OF 9.00 LITHOLOGY-(ANHY ANHY), 9744 TO 9802 RECOVERED 58.0 FT LITHOLOGY-(LLS), 9802 TO 9850 RECOVERED 48.0 FT DETAILED DESCRIPTION OF 20.50 LITHOLOGY-(LS) SHOWS-(STN-U FLU-U) DETAILED DESCRIPTION OF 1.50 LITHOLOGY-(LS) DETAILED DESCRIPTION OF 1.50 LITHOLOGY-(LS) SHOWS-(NS) DETAILED DESCRIPTION OF 12.00 LITHOLOGY-(LS) SHOWS-(OIL) DETAILED DESCRIPTION OF 12.50 LITHOLOGY-(LS) SHOWS-(OIL)
TOOK CORES: 9850 TO 9859 RECOVERED 48.0 FT DETAILED DESCRIPTION OF 6.50 LITHOLOGY-(LS) DETAILED DESCRIPTION OF 5.50 LITHOLOGY-(LS) DETAILED DESCRIPTION OF 34.00 LITHOLOGY-(LS) SHOWS-(STN-U FLU-U) DETAILED DESCRIPTION OF 2.00 POROSITY-(L), 9928 TO 9950 RECOVERED 50.0 FT DETAILED DESCRIPTION OF 12.50 LITHOLOGY-(SH SH) SHOWS-(FLOO SWTR) DETAILED DESCRIPTION OF 10.00 LITHOLOGY-(LS) DETAILED DESCRIPTION OF 4.00 LITHOLOGY-(LS) SHOWS-(STN-U FLU-U) DETAILED DESCRIPTION OF 2.00 LITHOLOGY-(LS) POROSITY-(T) SHOWS-(TRCE STN-U TRCE FLU-U), 13403 TO 13413 RECOVERED 10.0 FT LITHOLOGY-(SSH), 13415 TO 13420 RECOVERED 7.0 FT DETAILED DESCRIPTION OF 1.50 LITHOLOGY-(SH) DETAILED DESCRIPTION OF 5.50 LITHOLOGY-(DOL) SHOWS-(GOOD OIL SLI STN-U), 13425 TO 13433 RECOVERED 7.1 FT LITHOLOGY-(SSH DOL) DETAILED DESCRIPTION FROM 10431 TO 10432 SHOWS-(STN O-FLU)
TOOK CORES: 13433 TO 13443 RECOVERED 3.1 FT LITHOLOGY-(DOOL) POROUS ZONE-(TYPE: FU) SHOWS-(STN O-FLU), 13443 TO 13453 RECOVERED 3.0 FT LITHOLOGY-(DOL) POROUS ZONE-(TYPE: U) SHOWS-(GOOD STN O-FLU)

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EXPLORATION SYSTEMS SCOUT TICKET(I-3)

STATE: NM COUNTY: LEA SEC: 02 TWP: 016 RNG: 032E
COMPANY: MAGNOLIA PET. CO.
LEASE: NEW MEXICO-STATE S WELL NO: 1 FIELD: ANDERSON RANCH DEVON
LAT: 33.06240 LON: 103.7[illegible]

TREATED PERF INTERVAL AT 13413 TO 13416 BY ACID USING 500 GALS ACID
TREATED PERF INTERVAL AT 13413 TO 13416 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 13413 TO 13416 BY ACID USING 2000 GALS ACID
TREATED PERF INTERVAL AT 13443 TO 13450 BY ACID USING 500 GALS ACID
TREATED PERF INTERVAL AT 13443 TO 13447 BY ACID USING 250 GALS ACID
TREATED PERF INTERVAL AT 13442 TO 13447 BY ACID USING 250 GALS ACID
TREATED PERF INTERVAL AT 13442 TO 13447 BY ACID USING 500 GALS ACID
TREATED PERF INTERVAL AT 13442 TO 13447 BY ACID USING 500 GALS ACID
TREATED PERF INTERVAL AT 13442 TO 13447 BY ACID USING 500 GALS ACID
RAN THE FOLLOWING LOGS: ES,LL,ML,GRN,GRL,GFL FROM 0 TO 13505 BY SCHL, SEL FROM 0
TO 13498 BY SCHL, *** DUMMY PGM CTL TO CORRECT TCPS ENERGD FLAG *** DUMMY PGM
CTL TO CORRECT CORED INT DEPTHS SEQ18

RE-ENTERED: CN 04-30-1955 LEASE CARRIED AS THE MAGNOLIA PET. CO. NUMBER 1 NEW
MEXICO-STATE S
RECOMPLETED 07-14-1955, INITIAL FIELD, FINAL CIL.
RECOMPLETED 03-10-1962, INITIAL FIELD, FINAL M-CIL.

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-03369-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 2 TWP: 21_S RNG: 32_E
COMPANY: GULF OIL CORP
LEASE: LEA-STATE CL A WELL NO: 1 FIELD: ANDERSON RANCH DEVON
LAT: 32.95780 LON: 103.73390
LOCATION NARRATIVE: 2651FN L 1650FE L SEC

SPUD DATE: 09-13-1956 COMP DATE: 01-17-1957 ELEV: 4312 DF ELEV: 4321.GR
DRILLERS TD: 13395 LOG TD:

<<CASING>>

13-24/64	@	618	W/ 700	SX
09-40/64	@	4100	W/ 2550	SX
07-00/64	@	13368	W/ 1255	SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODOIL,,
RE-ENTERED 1966,NO SHOW,ID DATA,PAN: GENL GEL

<<INITIAL POTENTIAL>>

PFS 13368-13395 WITH/IP OIL: 3570 BLS/D GAS: SW:
HOUR TEST: 24 CH: 45/64 TP: 35 SITP: GOR: 838 FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9708-9853, 9833-9933, 11203-11276, 13360-13380,

<<TOPS AND RELEASES>>

AMOCO-PROTOP		MSSP	12486	TUBB	6835	STRN	-ZZZ-11120
ANHY	1290	WOLF	13263	ABO	7588	ATOK	-ZZZ-11833
YTES	2496	DVNN	13354	WFMP	8995	MRRW	-ZZZ-12005
QUEN	3335	FL TOPS		VSSP	12600	CSTR	-ZZZ-12380
SADR	4000	ANDR	1290	WOLF	13263	MPLN	-ZZZ-12620
GLRT	5744	YTES	2496	DVNN	13352	SCLM	-ZZZ-12711
DRKD	6832	QUEN	3335	INTERPOLATED TOPS		BRNT	-ZZZ-12790
ABO	7500	SADR	4000	CSCO	-ZZZ-10143	ELSG	-ZZZ-12961
WFMP	8995	GLRT	5672	CNYN	-ZZZ-10943		

<<INITIAL POTENTIAL>>

FROM DV AT 13368-13395 BY FLOW RECOVERED 357 BELS/D OIL OVER A 24 HOUR PERIOD
USING 45/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 35 PSI CASING
PRESSURE PKR PSI PACKER SET AT 13219 FEET, GOR OF 838 RESULTS OF OIL
ANALYSIS: OIL GRAVITY OF 52.2

<<FORMATION TESTS>>

DST FROM 9708 TO 9853 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR 39 MIN, FLOWED GAS WITH A TIME TO SURFACE OF 6 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 33 MINS, FLOWED 38 BPH OIL WITH A TIME TO SURFACE OF 38 MINS GRAVITY OF RECOVERED FLUID-41.0 GOR OF 433, RECOVERED 21 BBLS OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 715 FIRST FINAL 1375, SHUTIN PRESSURES: FINAL SHUT-IN 3545 ON A 15 MIN TEST
DST FROM 9833 TO 9933 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 360 FT GAS CUT MUD,RECOVERED 8040 FT OIL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 3475 FIRST FINAL 3665, SHUTIN PRESSURES: FINAL SHUT-IN 3665 ON A 15 MIN TEST
DST FROM 11203 TO 11276 WITH A 1-00/64 INCH TOP 0-10/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, RECOVERED 90 FT SLI GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 110, SHUTIN PRESSURES: FINAL SHUT-IN 220 ON A 15 MIN TEST
DST FROM 13360 TO 13380 WITH 2000 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 5 HOUR 15 MIN, FLOWED GAS WITH A TIME TO SURFACE OF 50 MINS, FLOWED CUSH WITH A TIME TO SURFACE OF 60 MINS, FLOWED 72 BPH OIL WITH A TIME TO SURFACE OF 75 MINS GRAVITY OF RECOVERED FLUID-57.0 GOR OF 587, OPEN FLOWING PRESSURES: FIRST INITIAL 1730 FIRST FINAL 4075, SHUTIN PRESSURES: FINAL SHUT-IN FAILED ON A 30 MIN TEST

LINER: SET 05-00/64 INCH LINER @ 9568 TO 9882 (SEQUENCE NUMBER 10)
RAN THE FOLLOWING LOGS: GENL,GEL FROM 20 TO 13393 BY FRONTR
RE-ENTERED: LEASE CARRIED AS THE GULF OIL CORP NUMBER 2 LEA-STATE CL A
RE-ENTERED: LEASE CARRIED AS THE GULF OIL CORP NUMBER 1 LEA-STATE CL
RE-ENTERED WITH TD IN THE DVNN
RECOMPLETED 03-18-1966, INITIAL DEV, FINAL OIL.
ABANDONED IN (WFMP), 03-18-1966.

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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 2 TWP: 016S RNG: 032E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 14 FIELD: ANDERSON RANCH DEVON
LAT: 32.94790 LON: 103.73060
LOCATION NARRATIVE: 1980FSL & 660FEL L SEC

SPUD DATE: 05-21-1954 COMP DATE: 10-24-1954 ELEV: 4299 DF
DRILLERS TD: 13460 LOG TD:

<<CASING>>

13-24/64 @ 597 W/ 600 SX
08-40/64 @ 4220 W/ 3187 SX
05-32/64 @ 13459 W/ 1150 SX
@ W/ SX
@ W/ SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODOIL,
DC SHOW,IP DATA,PRODUCTION TESTS,FORMATION
TESTS,TREATMENTS,RAN: CONL ES GRNL GRL

<<INITIAL POTENTIAL>>

PFS 13350-13392 WITH/IP OIL: 146BBLS/D GAS: 1377MCFD SW:
HOUR TEST: 6 CH:48/64 TP: 100 SITP: GOR: 938 FW:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FW:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FW:
FORMATION TESTS: 9557-9560,10113-10406,11216-11415,13310-13380,

<<TOPS AND(BASES)>>

PI TOPS	PI SAMPLE TOPS		
ABO ------ 7582	SACR ------ 4160	ABO -ZZZ- 6851	MPLM -ZZZ-12648
HUCO ------ 8803	INTERPOLATED TOPS	CSCO -ZZZ-10141	SCLM -ZZZ-12763
MRRL ------12212	TUBB -ZZZ- 6851	CNYN -ZZZ-10552	ELBG -ZZZ-12867
NSSD ------12675	DRKD -ZZZ- 6851	STRN -ZZZ-11092	PENT -ZZZ-12909
WOFD ------13250	PSLV -ZZZ- 6851	ATOK -ZZZ-11933	
DVNN ------13343	WFVE -ZZZ- 6851	MRRW -ZZZ-12145	
		CSTS -ZZZ-12447	

<<INITIAL POTENTIAL>>

PERF AT 13350-13392 BY FLOW RECOVERED 146 BBLS OIL 1377 MCFD GAS OVER A 6 HOUR PERIOD USING 48/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 100 PSI CASING PRESSURE 850 PSI PACKER SET AT 13302 FEET PLUG-BACK TO 13413 FEET, GOR OF 938 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 34.0

<<PRODUCTION TESTS>>

FROM PERF AT 13351-13446 BY FLOW RECOVERED 497 BBLS OIL 92 BBLS/D WATER OVER A 14 HOUR PERIOD USING 48/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 150 PSI PACKER SET AT 12375 FEET PLUG-BACK TO 13457 FEET
FROM PERF AT 13305-13412 BY FLOW RECOVERED 756 BBLS OIL 58 BBLS/D WATER OVER A 12 HOUR PERIOD USING 1 00/64 INCH CHOKE, TEST PRESSURES: PACKER SET AT 12375 FEET PLUG-BACK TO 13457 FEET

<<FORMATION TESTS>>

DST FROM 9557 TO 9560 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 35 MIN, FLOWED 1291 MCFD GAS WITH A TIME TO SURFACE OF 10 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 12 MINS, FLOWED 107 BPH OIL WITH A TIME TO SURFACE OF 20 MINS, OPEN FLOWING PRESSURES: FIRST FINAL 3575, SHUTIN PRESSURES: FINAL SHUT-IN 3625 ON A 15 MIN TEST
DST FROM 10113 TO 10406 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 300 FT SUL WTR CUT MUD,RECOVERED 7830 FT SUL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 3750 FIRST FINAL 3775, SHUTIN PRESSURES: FINAL SHUT-IN 3825 ON A 15 MIN TEST
DST FROM 11216 TO 11415 WITH 1200 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 1200 FT WTR CUSH,RECOVERED 50 FT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 875, SHUTIN PRESSURES: FINAL SHUT-IN 1065 ON A 15 MIN TEST
DST FROM 13318 TO 13380 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUS 45 MIN, FLOWED 399 MCFD GAS WITH A TIME TO SURFACE OF 90 MINS, FLOWED CUSH WITH A TIME TO SURFACE OF 107 MINS, FLOWED 25 BPH OIL WITH A TIME TO SURFACE OF 125 MINS, OPEN FLOWING PRESSURES: FIRST INITIAL 1225 FIRST FINAL 4160, SHUTIN PRESSURES: FINAL SHUT-IN 5040 ON A 15 MIN TEST

TREATED PERF INTERVAL AT 13350 TO 13392 BY ACID USING 1000 GALS ACID
RAN THE FOLLOWING LOGS: CONL,ES,GRNL,GRL FROM 4100 TO 13447 BY PGAC

07/20/90 AMOCO PRODUCTION COMPANY API NO: 30-025-00388-00
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EXPLORATION SYSTEMS SCOUT TICKET (T-3)

STATE: NM COUNTY: LEA SEC: 11 TWP: 016S RNG: 032E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 8 FIELD: ANDERSON RANCH DEVON
LAT: 32.93240 LON: 103.67505
LOCATION NARRATIVE: 1980FS L 660FE L SEC

SPUD DATE: 11-18-1953 COMP DATE: 01-17-1954 ELEV: 4310 DF
DRILLERS TD: 13680 LOG TD:

<<CASING>>

17-24/64	@	FOS	W/	500 SX
09-40/64	@	4248	W/	3513 SX
05-32/64	@	13688	W/	2170 SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OGA,WELL CLASS: TA,OP
ENTERED 1956,NO SHOW,PRODUCTION TESTS,
FORMATION TESTS,TREATMENTS,PAY: LL ML GRNL
PALEO GRL,ATK DRILL

<<INITIAL POTENTIAL>>

PFS -- WTR/BO OIL: GAS: SX:
HOUR TEST: CH: /64 TP: SITP: GCR: FM:
PFS -- WTR/BO OIL: GAS: SX:
HOUR TEST: CH: /64 TP: SITP: GCR: FM:
PFS -- WTR/BO OIL: GAS: SX:
HOUR TEST: CH: /64 TP: SITP: GCR: FM:
FORMATION TESTS: 9705-9850,12098-12237,12381-12616,13261-13400,13231-13460,

<<TOPS AND BASES>>

PI TOPS	WOLF -13386	ABO -222- 6867	CSTR -222-12487
GLPT -5692	PVNN -13577	CSCO -222-10145	MPLV -222-12710
TUBB -6863	PI SAMPLE TOPS	CNYN -222-10724	SCL1 -222-12851
ABO -7615	SADR -4220	SIGN -222-11191	BL36 -222-12954
HUCO -8985	INTERPOLATED TOP	ATOK -222-11764	BL3G -222-12991
MSSP -12705	DEKO -222- 6867	VERA -222-12286	UNIT -222-13064

<<PRODUCTION TESTS>>

SWAB PERF AT 13430-13520 RECOVERED 3 BBLS OIL OVER A 11 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TD 13650 FEET
SWAB PERF AT 13430-13526 RECOVERED 21 BBLS OIL OVER A 24 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TD 13650 FEET
SWAB PERF AT 13380-13456 RECOVERED 66 BBLS/D WATER OVER A 24 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TD 13472 FEET
SWAB PERF AT 13480-13526 RECOVERED 13 BBLS/D WATER OVER A 7 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TD 13650 FEET
SWAB CH AT 13390-13445 RECOVERED 17 BBLS OIL 35 BBLS/D WATER OVER A 10 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TD 13455 FEET
SWAB PERF AT 12173-12192 RECOVERED 79 MCFD GAS 32 BBLS/D WATER, TEST PRESSURES: PLUG-BACK TD 12655 FEET
SWAB PERF AT 12523-12566, TEST PRESSURES: PLUG-BACK TD 12655 FEET

<<FORMATION TESTS>>

DST FROM 9705 TO 9850 WITH A 1-00/64 INCH TCP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 12 MINS, RECOVERED 1150 FT HVY GAS CUT MUD,RECOVERED 210 FT HVY OIL GAS SUL WTR CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 715, SHUTIN PRESSURES: FINAL SHUT-IN 3125 ON A 15 MIN TEST
DST FROM 12098 TO 12237 WITH 2360 FT WTR CUSH, WITH A 1-00/64 INCH TCP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, RECOVERED 2360 FT WTR CUSH,RECOVERED 658 FT SLI GAS CUT MUD,RECOVERED 564 FT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 1275, SHUTIN PRESSURES: FINAL SHUT-IN 4650 ON A 15 MIN TEST
DST FROM 12381 TO 12616 WITH 2400 FT WTR CUSH, WITH A 1-00/64 INCH TCP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 85 MINS, RECOVERED 2400 FT GAS CUT WTR CUSH,RECOVERED 1080 FT GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 1620, SHUTIN PRESSURES: FINAL SHUT-IN 2400 ON A 15 MIN TEST
DST FROM 13261 TO 13400 RESULTS OF DST: SKID
DST FROM 13231 TO 13460 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TCP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, RECOVERED 2500 FT WTR CUSH,RECOVERED 550 FT SLI OIL GAS CUT MUD,RECOVERED 120 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 1200 FIRST FINAL 1400, SHUTIN PRESSURES: FINAL SHUT-IN 4750 ON A 15 MIN TEST
DST FROM 13459 TO 13528 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TCP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 35 MIN, RECOVERED 2500 FT WTR CUSH,RECOVERED 392 FT MUD
DST FROM 13466 TO 13528 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TCP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 2500 FT WTR CUSH,RECOVERED 30 FT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 1215, SHUTIN PRESSURES: FINAL SHUT-IN 1350 ON A 15 MIN TEST
DST FROM 13529 TO 13632 RESULTS OF DST: SKID
DST FROM 13632 TO 13632 RESULTS OF DST: SKID

07/29/80
PAGE (2) 1 ANOCO PRODUCTION COMPANY API NO: 30-025-03328-00

EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 8 SEC: 11 TWP: 21S RNG: 32E
FIELD: ANDERSON RANCH DEVON
LAT: 32.93340 LON: 103.73050

DST FROM 13562 TO 13632 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 2500 FT WTR CUSH,RECOVERED 20 FT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 1575, SHUTIN PRESSURES: FINAL SHUT-IN 1575 ON A 15 MIN TEST
DST FROM 13612 TO 13689 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, RECOVERED 2500 FT WTR CUSH,RECOVERED 480 FT SLI SLI WTR CUT MUD,RECOVERED 330 FT HVY SLI WTR CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 1620, SHUTIN PRESSURES: FINAL SHUT-IN 5175 ON A 15 MIN TEST

TREATED PERF INTERVAL AT 13480 TO 13526 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 13480 TO 13526 BY ACID USING 4000 GALS ACID
TREATED PERF INTERVAL AT 13380 TO 13466 BY ACID USING 2000 GALS ACID
TREATED PERF INTERVAL AT 13360 TO 13445 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 12172 TO 12192 BY CLAG USING 500 GALS ACID
TREATED PERF INTERVAL AT 12528 TO 12588 BY CLAG USING 1000 GALS ACID
RAN THE FOLLOWING LOGS: IL,ML,GRNL,PALEC BY PALEOL,GRL FROM 4200 TO 13370 BY PGAC, ### DUMMY PGM CTL TO CORRECT TOPS DESTTOP SEQUENCE 14

RE-ENTERED: LEASE CAPTION AS THE CONTINENTAL OIL CO. NUMBER 8 ANDERSON RANCH UNIT
RECOMPLETED 09-16-1956, INITIAL FIELD, FINAL D&A.

07/25/80 AMOCO PRODUCTION COMPANY API NO: 30-025-00251-00
PAGE (1) 1

EXPLORATION SYSTEMS SCOUT TICKET(T-A)

STATE: NM COUNTY: LEA SEC: 11 TWP: 21S RNG: 32E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 13 FIELD: ANDERSON RANCH DEVON
LAT: 32.93340 LON: 103.7392)
LOCATION NARRATIVE: 1980FS L 1980FW L SEC

SPUD DATE: 04-08-1954 COMP DATE: 09-01-1954 ELEV: 4302 DF
DRILLERS TD: 13565 LOG TD:

<<CASING>>

13-24/64 @ 437 W/ 500 SX
08-40/64 @ 4250 W/ 2675 SX
05-32/64 @ 13565 W/ 1970 SX
@ W/ SX
@ W/ SX

<<CONDENSED WELL SUMMARY>>

INITIAL:CIPLO,FINAL:DGA,WELL CLASS: TA,WC.
ENTERED 1956,EC SHOW,ID DATA,PRODUCTION TESTS,
FORMATION TESTS,TREATMENTS,RAN: DS GENL GEOL
GEOL GEL

<<INITIAL POTENTIAL>>

PFS 9754-9866 WTR/ID OIL: 1POOBBLS/D GAS: 266MCFD SW:
HOUR TEST: 4 CH:48/64 TP: 500 SITP: GOR: 1482 FW:
PFS - WTR/ID OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FW:
PFS - WTR/ID OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FW:
FORMATION TESTS: 9613-9870,10360-10430,11413-11460,12300-13520,13306-1356_,

<<TOPS AND(BASES)>>

AMOCO-EODTOP
GLRT ----- 5671
DRKO ------ 6821
ABC ------ 7500
WFMP ------ 8045
SCLM ------ 12770
WOFD ------ 12335
DVNN ------ 13470
PI TOPS

ABO ------ 7574
PCCO ------ 8935
YESO ------ 9330
MSSP ------ 12768
WOFD ------ 12332
DVNN ------ 13623
PI SAMPLE TOPS
ANDR ------ 1290
SALT ------ 1355

YTES ------ 2550
INTERPOLATED TOPS
TUBB -222- 6847
PSLV -222- 6847
WFMP -222- 6847
CSCO -222-10052
CNYN -222-10616
STRN -222-11050
ATOK -222-11724

CSTR -222-12453
MPLM -222-12730
BRNT -222-12954
ELBG -222-12962
PI SAMPLE BASES
SALT ------ 2350

<<INITIAL POTENTIAL>>

FROM PERF AT 9754-9866 BY FLOW RECOVERED 1900 BBLS/D OIL 2668 MCFD GAS OVER A 4 HOUR PERIOD USING 48/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 500 PSI CASING PRESSURE PKR PSI PLUG-BACK TO 9900 FEET, GOR OF 1482 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 42.0

<<PRODUCTION TESTS>>

SWAB PERF AT 13500-13630
SWAB PERF AT 13500-13630 RECOVERED 124 BBLS/D WATER OVER A 6 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 13565 FEET
SWAB PERF AT 13434-13475 RECOVERED 5 BBLS OIL 92 BBLS/D WATER OVER A 13 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 13495 FEET
FROM PERF AT 9754-9866 BY FLOW RECOVERED 216 BBLS OIL 2668 MCFD GAS OVER A 3 HOUR PERIOD USING 48/64 INCH CHOKE, TEST PRESSURES: PLUG-BACK TO 9900 FEET

<<FORMATION TESTS>>

DST FROM 9613 TO 9870 WITH A 1-00/64 INCH TCP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR 30 MIN, FLOWED 2316 MCFD GAS WITH A TIME TO SURFACE OF 12 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 22 MINS, FLOWED 65 BPH OIL WITH A TIME TO SURFACE OF 30 MINS, OPEN FLOWING PRESSURES: FIRST FINAL 2550, SHUTIN PRESSURES: FINAL SHUT-IN 3400 ON A 15 MIN TEST
DST FROM 10360 TO 10430 WITH A 1-00/64 INCH TCP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 745 FT SUL WTR,RECOVERED 65 FT MUD CUT SUL WTR, OPEN FLOWING PRESSURES: FIRST FINAL 625, SHUTIN PRESSURES: FINAL SHUT-IN 3501 ON A 15 MIN TEST
DST FROM 11413 TO 11460 WITH A 1-00/64 INCH TCP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 32 FT MUD
DST FROM 13300 TO 13560 WITH 3500 FT WTR CUSH, WITH A 1-00/64 INCH TCP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 30 MIN, RECOVERED 3500 FT WTR CUSH,RECOVERED 100 FT GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 1880 FIRST FINAL 2240, SHUTIN PRESSURES: FINAL SHUT-IN 5240 ON A 15 MIN TEST
DST FROM 13306 TO 13566 WITH 3150 FT WTR CUSH, WITH A 1-00/64 INCH TCP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, RECOVERED 3150 FT GAS CUT WTR CUSH,RECOVERED 2340 FT OIL GAS CUT MUD,RECOVERED 2000 FT SUL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 1920 FIRST FINAL 3560, SHUTIN PRESSURES: FINAL SHUT-IN 5200 ON A 15 MIN TEST

TREATED PERF INTERVAL AT 13500 TO 13530 BY GLAC USING 200 GALS ACID
TREATED PERF INTERVAL AT 13500 TO 13630 BY ACID USING 2000 GALS ACID
TREATED PERF INTERVAL AT 9754 TO 9866 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 9754 TO 9866 BY ACID USING 2000 GALS ACID
RAN THE FOLLOWING LOGS: SS,CCNL,GRDL,GENL,GR FROM 4200 TO 13540 BY LANE
RE-ENTERED: ON 03-22-1956 LEASE CARRIED AS THE CONTINENTAL OIL CO. NUMBER 13

AMOCO PRODUCTION COMPANY API NO: 30-025-00391-00

EXPLORATION SYSTEMS SCOUT TICKET (T-2)

STATE: NM COUNTY: LEA
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 13 SEC: 11 TWP: 016 S RNG: 032 E
FIELD: ANDERSON RANCH DEVON
LAT: 32.93340 LON: 103.7392

ANDERSON RANCH PUT
RECOMPLETED 03-30-1955, INITIAL FIELD, FINAL OIL.

07/29/90 AMOCO PRODUCTION COMPANY API NO: 30-025-00402-00
PAGE (1) 1

EXPLORATION SYSTEMS SCOUT TICKET(T-7)

STATE: NM COUNTY: LEA SEC: 22 TWP: 016 S RNG: 032 E
COMPANY: SHELL OIL COMPANY
LEASE: EMERALD UNIT WELL NO: 1 FIELD: ANDERSON RANCH S VOL
LAT: 32.91160 LON: 103.73910
LOCATION NARRATIVE: 660FN L 1980FW L SEC

SPUD DATE: 07-06-1962 COMP DATE: 10-12-1962 ELEV: 4302 DF
DRILLERS TD: 13533 LOG TD:

<<CASING>>

13-24/64	@	421	W/ 400	SX
09-24/64	@	4277	W/ 2875	SX
04-32/64	@	9750	W/ 710	SX
04-32/64	@	4210	W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:OIL,FINAL:OIL,WELL CLASS: PRODUCIL,RC
SECM,IP DATA,PRODUCTION TESTS,LOST CIRC,
FORMATION TESTS,TREATMENTS,FAN: MLL JI CS MI
GRNL GRI CALP HYDE PALO SPLL,PRODUCES FROM
WFMP,AIR DRILL

<<INITIAL POTENTIAL>>

PFS 9660- 9666 WITH/IP OIL: 197BBLS/D GAS: SW: 2BBLS/D
HOUR TEST: 24 CH:24/64 TP: 240 SITP: GOR: 1050 FM:WFMP
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9642-9671,10055-10325, 9989-10325,10496-10530,11866-11933,

<<TOPS AND(BASES)>>

SI TOPS	DVNN -----13504	STRN-1ST-11360	PSLV -ZZZ- 6900
YTES ----- 2650	COMERCIAL PALO	ATOK -1ST-11590	WFMP -ZZZ- 6900
SADR ----- 4218	WFMP -1ST- 9220	MRRW -1ST-12230	STRN -ZZZ-11328
YESO ----- 5600	PUCO -1ST- 9220	CSTR -1ST-12680	MSSP -ZZZ-12921
ABO ----- 7642	PUCO(D)-1ST- 9220	INTERPRETATED TOP	SCLM -ZZZ-12926
WFMP ----- 9050	PUCOL-1ST- 9580	SVRV -ZZZ- 2751	ELBG -ZZZ-13078
ATOK -----11474	CSCO -1ST-10070	DEKO -ZZZ- 6500	GRNT -ZZZ-13123
MRRW -----12794	GRRM -1ST-10260	ABO -ZZZ- 6900	
MSSP -----13411	CNYN -1ST-10690	TUBB -ZZZ- 6960	

<<INITIAL POTENTIAL>>

FROM PERF AT 9660-9666 IN THE WFMP BY FLOW RECOVERED 197 BBLS/D OIL 2 BBLS/D WATER OVER A 24 HOUR PERIOD USING 24/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 240 DST CASING PRESSURE PKR PSI PLUG-BACK TO 9718 FEET, 30M OF 1050 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 38.6

<<PRODUCTION TESTS>>

FROM PERF AT 9660-9666 BY FLOW RECOVERED 25 BBLS OIL 1 BBLS/D WATER OVER A 5 HOUR PERIOD USING 24/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 200 PSI PLUG-BACK TO 9718 FEET
SWAB PERF AT 3750-3760 RECOVERED 80 BBLS OIL OVER A 8 HOUR PERIOD
SWAB PERF AT 3750-3760
SWAB PERF AT 3750-3760

<<FORMATION TESTS>>

DST FROM 9642 TO 9671 INITIAL OPEN 55 MIN, FLOWED 225 MCFD GAS WITH A TIME TO SURFACE OF 7 MINS GOR OF 76), FLOWED OIL GRAVITY OF RECOVERED FLUID-38.0, RECOVERED 65 BBLS MUD,RECOVERED 25 BBLS OIL. OPEN FLOWING PRESSURES: FIRST INITIAL 143 FIRST FINAL 356, SHUTIN PRESSURES: INITIAL SHUT-IN 3850 ON A 1 HOUR TEST FINAL SHUT-IN FAILD
DST FROM 10055 TO 10325 RESULTS OF DST: PKR
DST FROM 9989 TO 10325 INITIAL OPEN 1 HOUR, RECOVERED 3190 FT SUL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 1350 FIRST FINAL 2425, SHUTIN PRESSURES: INITIAL SHUT-IN 3900 ON A 1 HOUR TEST FINAL SHUT-IN 3325 ON A 55 MIN TEST
DST FROM 10496 TO 10530 INITIAL OPEN 30 MIN, RECOVERED 60 FT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 44 FIRST FINAL 59, SHUTIN PRESSURES: INITIAL SHUT-IN 104 ON A 1 HOUR TEST FINAL SHUT-IN 59 ON A 30 MIN TEST
DST FROM 11866 TO 11933 IN THE ATOK INITIAL OPEN 1 HOUR, RECOVERED 130 FT SALT WTR CUT MUD,RECOVERED 90 FT HVY SALT WTR CUT MUD,RECOVERED 130 FT MUD CUT SALT WTR,RECOVERED 600 FT SALT WTR,WATER ANALYSIS RESULTS: SALINITY OF 30000 PPM CL, OPEN FLOWING PRESSURES: FIRST INITIAL 245 FIRST FINAL 465, SHUTIN PRESSURES: INITIAL SHUT-IN 4920 ON A 1 HOUR TEST FINAL SHUT-IN 5505 ON A 45 MIN TEST
DST FROM 11217 TO 11280 RESULTS OF DST: PKR
DST FROM 12113 TO 12458 RESULTS OF DST: PKR
WLT TO 12280 RESULTS OF DST: PKR
WLT TO 12281 RESULTS OF DST: PKR
DST FROM 13128 TO 13181 INITIAL OPEN 3 HOUR 17 MIN, FLOWED 450 MCFD GAS WITH A TIME TO SURFACE OF 5 MINS, RECOVERED 30 FT SLI GAS CUT MUD,RECOVERED 130 FT SLI OIL HVY GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 150 FIRST FINAL 120, SHUTIN PRESSURES: INITIAL SHUT-IN 4270 ON A 1 HOUR TEST FINAL SHUT-IN 3660 ON A 001 HOUR 45 MIN TEST
DST FROM 13232 TO 13523 INITIAL OPEN 45 MIN, RECOVERED 190 FT MUD,RECOVERED

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-03402-00
PAGE (2) 1

EXPLORATION SYSTEMS SCOUT TICKET (T-2)

STATE: NM COUNTY: LEA SEC: 22 TWP: 016 S RNG: 032 E
COMPANY: SHELL OIL COMPANY
LEASE: EMERALD UNIT WELL NO: 1 FIELD: ANDERSON RANCH S WOL
LAT: 32.91160 LON: 103.7391

3200 FT SALT SOL WTR, RECOVERED 460 FT MOD CUT SALT SOL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 656 FIRST FINAL 2679, SHUTIN PRESSURES: INITIAL SHUT-IN 5081 ON A 45 MIN TEST FINAL SHUT-IN 5106 ON A 30 MIN TEST

TREATED PERF INTERVAL AT 9660 TO 9676 BY CLAG USING 200 GALS ACID
TREATED PERF INTERVAL AT 3730 TO 3750 BY CLAG USING 1000 GALS ACID
TREATED PERF INTERVAL AT 3730 TO 3750 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 3730 TO 3750 BY HYD USING 15000 GALS PROPPED BY 15000 LBS SD
TREATED PERF INTERVAL AT 9660 TO 9676 BY ACID USING 2000 GALS ACID
RAN THE FOLLOWING LOGS: MLL,IL,SS,LL,VL,SENL,GRL,CALP,HYDS,PALEO BY PALLOL,SPLL BY PERMAS,SEL FROM 0 TO 4200 BY SCHL, *** DUMMY PGM CTL TO CORRECT TOPS EMPROD FLAG

BK 20
LEA

MN00351

COUNTY Lea FIELD Anderson Ranch-/ STATE N.M. NO OWWO
OPR Gulf Oil Corporation /Wolfcamp, North MAP
NO 1 LSE Lea-State "GE"
SEC 32 T 15S BLK R 32E SUR CO-ORD
LOC 660' fr N Line & 1980' fr E Line of Sec
Re- M' FROM Re-P&A CLASS dwlp EL 4335X

SPUD 8-25-63 COMP 9-8-63	FORMATION	DATUM	FORMATION	DATUM
IBT				
CSG & SX				
TBG DEPTH SIZE				
LOGS EL GR RA IND HC A				
	OTD 13655'		PB 9858'	

IP PROD INT. DAILY RATE: BS&W GH GOR GTY C P. T P. HRS FEET

PLUGGED & ABANDONED

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CONT. McVay Drlg. Co. PROP DEPTH PB 9900' TYPE
DATE

F.R. 7-12-62, Wolfcamp, OWWO, OTD 13655', Operator was Texas Pacific Coal & Oil Co., Orig. P&A. PD 9900'

8-26-63 OTD 13655', cleaning out at 3938'.

9-3-63 OTD 13655', PB 9898', prep to test.
CO to 9912', Set BP @ 9898'.
Set retainer @ 9647', & squeezed old perfs 9760-9800' with 100 sx.
Perf 10/9874-79', 12/9885-91', treated 500 MA.

9-10-63 OTD 13655', PB 9858', PLUGGED & ABANDONED.
Fld. 3 BO/30" & died, swbd 16 BW, no oil, in 3 hrs from perfs 9874-91'.
Set BP @ 9858', Perf 24/9816-9828', treated 1500 gals acid, swbd 35 BO + 75 BW in 8 hrs.

FORM STI 10-45 Dist. 5-A

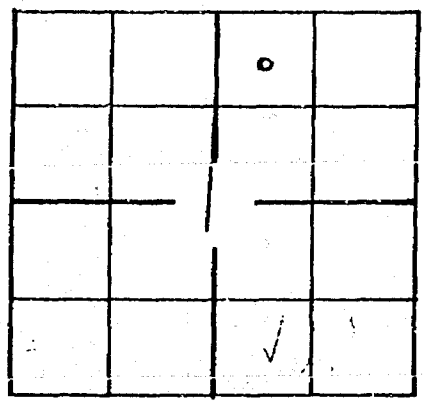
SCOUT TICKET

OUR NO. 46585

COUNTY Lea 3 miles SW of Stanolind Lse. #109165

STATE New Mexico (Wildcat) MN00351

ELEV. 4[illegible]



OPERATOR Texas Pacific Coal and Oil

FARM Lane-Mill Unit WELL NO. 1

SEC. 32 T. 15S R. 32E

SEC. BLK. SURVEY

LOC. 660 FR. N FR. S 1980 FR. E FR. W

SPUD 11-2-52 COMP. 12-15-52 T.D. 13,460' PB

CONTRACTOR TP

SHOT

T. AN. 1215 PROD. IP

T. SALT GOR. GR.

B. SALT PRESSURE- CASING TUBING

T. YATES 2504 REMARKS:

T. GRAYBURG

T. S. A. 4074

T. GLOR. 5705 - sst

T. C. F.

T. TUBBS 6[illegible] sst QUEEN 3314

T. MISS. 12495 sst. SEVEN R.

T. DEV. 13[illegible] DRINK.

T. SIL. DBO. 7655

T. MONTOYA W. C. 8966

T. SIMPSON FUSS,

T. ELLEN McKEE

1st 2½ 200 250

2nd 2½ 1100 1525

7" 7700 500

11-7-52	RURT. 13,460' test.		DST 9295-9[illegible]
NOV 12 1952	∅ 1161 Anh.		[illegible] 610 SIPF
NOV 19 1952	∅ 2220 Anh Lm		1 Hr IF
NOV 26 1952	∅ 3465 anh Lm		Rec 3000 Oil + 400
DEC 3 1952	TD 4105 Lm anh		OCM + 20 Fmn Wtr
DEC 10 1952	∅ 5195 Lm		FP 450-1650 SIP 1[illegible]
DEC 17 1952	∅ 5915 Lm	FEB 11 1953	∅ 9921 Lm
DEC 22 1952	∅ 6595 Lm		[illegible] 9507-[illegible]
JAN 6 1953	∅ 7655 Lm Ch.		Shale
JAN 14 1953	∅ 8620 Lm Sh.		[illegible] 9256-9750 Lm [illegible]
JAN 21 1953	∅ 9175 Lm Ch		Pay Sh. Ostr. Fos.
	DST 8765-9057		DST 9450-9[illegible]
	60-60		[illegible] 6[illegible]
	Rec 660' M		Rec [illegible] Sand Cut
JAN 28 1953	∅ 9575 Lm		M + 450 SO&GCM[illegible]
	DST 9450-9550		990 SGC [illegible]
	60 Min		FP 50-[illegible] 1[illegible]
	Rec 60' [illegible]	FEB 18 1953	∅ 10 [illegible]
FEB 4 1953	[illegible]		DST [illegible]
	DST 9450-9[illegible]		[illegible]
	90 Min G.I.H. 13 MCF		[illegible] 200 [illegible]
	Rec 990' HOCM + [illegible]		FP 450-[illegible]
	FP 275 30#-725		DST [illegible]
	[illegible] 9700-9[illegible] Rec 15 Lm		[illegible]
	Pay Sh.		[illegible]

LOG

	DST 10250-320				
	ϕ= 3Lm				
	Rec 1000 WB 540 GEMC Sul W				
	FP 300				
FEB 25	1953 ϕ 10,660 Lm				
MAR 4	1953 ϕ 10,959 Lm Sh. Sd.				
MAR 11	1953 ϕ 11,437 Lm Ch.				
MAR 18	1953 ϕ 11,750 Lm				
MAR 25	1953 ϕ 12,142 Lm				
APR 1	1953 ϕ 12,371 Lm Sd.				
APR 8	1953 ϕ 12,559 Lm Ch.				
APR 15	1953 ϕ 12,839 Lm Sh.				EDP TOPS
APR 22	1953 ϕ 13,086 Lm Ch.				
APR 29	1953 ϕ 13,063 Lm Ch.				Quinn 3210 (Tool)
MAY 6	1953 ϕ 13,127 Lm				
MAY 13	1953 ϕ 13,342 Lm				
MAY 20	1953 ϕ 13,552 Sh.				
MAY 27	1953 TD 13,555 Lm [illegible]				[illegible]
	SLM 13617-619'				[illegible]
	C 13619-655 Rec 34' 3 FX [illegible]				
	Sh Mod Sd, Vgy + Sh Lams [illegible]				
	6 Lms gray Sh Sd MS + 13 [illegible]				
	Vgy Sdy 10 Lms Lam Sh [illegible]				
	SLM 13550-555				
	1 ϕ 2 Lm				
	Rec 3200 WB + 100 WCM + 3500 SHW				
	FP 3150-3450 [illegible]				
JUN 3	1953 TD 13655 Lm PB 9835 TST				
	Rec 100 9770-90				
	F 4380 5 Lm GCP 7741				EDP TOPS
	F 1980 3 Lm COR 1861				
JUN 10	1953 TD 13655 Lm PB 9835 TST				[illegible]
	A/3000				[illegible]
	Subst 90 BO + 6½ BW 4 Lm				[illegible]
	Sub 55 BO 3 Lm				[illegible]
	K A/5000				[illegible]
	[illegible]				[illegible]
JUN 15	1953 TD 13655 Lm PB 9835 Ch. Lm				[illegible]
	F 8 BO 12 Lm				[illegible]
	Sub 13 BO 24 Lm				[illegible]
	" 3 BO 24 Lm				
JUN 24	1953 TD 13655 Lm PB 9835 Lmst				
	F 3 BO 6 Lm				
JUL 1	1953 TD 13655 Lm PB 9835 TST				
	Rec 9770-90				
	4/5000				

FORM 511 10-45

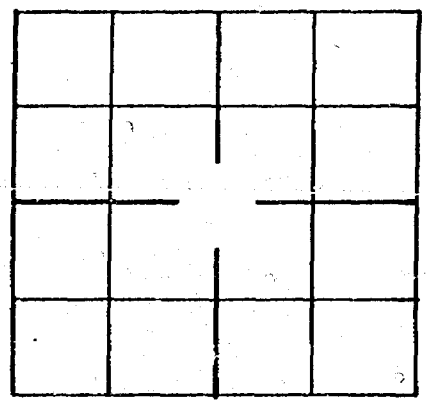
SCOUT TICKET

OUR NO

COUNTY

STATE

ELEV.



OPERATOR

FARM WELL NO.

SEC. T. R.

SEC. BLK. SURVEY

LOC. FR. N FR. S FR. E FR. W

SPUD. COMP. T.D. PB

CONTRACTOR TP

SHOT

T. AN. PROD. IP

T. SALT GOR. GR.

B. SALT PRESSURE: CASING TUBING

T. YATES REMARKS.

T. GRAYBURG

T. S. A.

T. GLOR.

T. C. F.

T. TUBBS

T. MISS.

T. DEV.

T. SIL.

T. MONTOYA

T. SIMPSON

T. ELLEN

JUL 8 1953			
JUL 15 1953			
JUL 22 1953			
JUL 29 1953			
AUG 5 1953			
AUG 12 1953			

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-00373-00
PAGE (1) 1

EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 2 TWP: 016_S RNG: 032_E
COMPANY: GULF OIL CORP
LEASE: LEA-STATE CR WELL NO: 2 FIELD: ANDERSON RANCH MELC
LAT: 32°59'50" LON: 103°73'00"
LOCATION NARRATIVE: 330FS L 1980FW L SEC

SPUD DATE: 03-22-1955 COMP DATE: 01-24-1956 ELEV: 4307 KB
DRILLERS TD: 9912 LOG TD:

<<CASING>>

13-24/64	@	626 W/	650 SX
08-40/64	@	4204 W/	2000 SX
05-32/64	@	9911 W/	275 SX
	@	W/	SX
	@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODUCT,
FC SHOW,IP DATA,PRODUCTION TESTS,FORMATION
TESTS,TREATMENTS,RAN: ES GRNL GRL

<<INITIAL POTENTIAL>>

PERF 9688- 9755 WTR/IP OIL: 38BBLS/D GAS: SW:
HOUR TEST: 24 CH: /64 TP: SITP: GOR: 642 FM:
PERF - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PERF - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9675- 9763, 9763- 9868, 9868- 9918,

<<TOPS AND(BASES)>>

AMOCO-REDTOP	GLRT 5670	ANDR 1283	TUBB 6838
ANHY 1283	GRKO 6870	YTES 2495	ABO 7626
YTES 2495	AFC 7541	QUEN 3320	WFMP 8940
QUEN 3320	WFMP 8385	SADR 4142	
SADR 4095	FT TOPS	GLRT 5670	

<<INITIAL POTENTIAL>>

PERF AT 9688-9755 BY PUMP RECOVERED 38 BBLS/D OIL OVER A 24 HOUR PERIOD,
TEST PRESSURES: PLUG-BACK TD 9390 FEET, GOR LF 642 RESULTS OF OIL ANALYSIS:
OIL GRAVITY OF 41.0

<<PRODUCTION TESTS>>

SWAB PERF AT 9842-9892
FROM PERF AT 9842-9892 BY FLOW RECOVERED 20 BBLS OIL OVER A 8 HOUR PERIOD USING
48/64 INCH CHOKE, TEST PRESSURES: PACKER SET AT 9758 FEET
FROM PERF AT 9842-9892 BY PUMP RECOVERED 50 BBLS OIL 10 BBLS/D WATER OVER A 24
HOUR PERIOD
SWAB PERF AT 9842-9864
SWAB PERF AT 9842-9864 RECOVERED 2 BBLS OIL 30 BBLS/D WATER OVER A 2 HOUR PERIOD
SWAB PERF AT 9688-9755
FROM PERF AT 9688-9755 BY PUMP RECOVERED 20 BBLS OIL 5 BBLS/D WATER OVER A 10
HOUR PERIOD

<<FORMATION TESTS>>

DST FROM 9675 TO 9763 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL
OPEN 1 HOUR 30 MIN, RECOVERED 90 FT SLT GAS CUT MUD, SHUTIN PRESSURES: FINAL
SHUT-IN 850 ON A 15 MIN TEST
DST FROM 9763 TO 9868 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL
OPEN 2 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 50 MINS, RECOVERED 240 FT
OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 125, SHUTIN PRESSURES:
FINAL SHUT-IN 750 ON A 15 MIN TEST
DST FROM 9868 TO 9918 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL
OPEN 2 HOUR, FLOWED 267 MCFD GAS WITH A TIME TO SURFACE OF 5 MINS, FLOWED OIL
GRAVITY OF RECOVERED FLUID-41.0, RECOVERED 90 FT OIL GAS CUT MUD,RECOVERED
7840 FT OIL, OPEN FLOWING PRESSURES: FIRST FINAL 875, SHUTIN PRESSURES: FINAL
SHUT-IN 2325 ON A 15 MIN TEST

TREATED PERF INTERVAL AT 9876 TO 9892 BY ACID USING 2000 GALS ACID
TREATED PERF INTERVAL AT 9842 TO 9892 BY ACID USING 4000 GALS ACID
TREATED PERF INTERVAL AT 9842 TO 9864 BY ACID USING 2000 GALS ACID
TREATED PERF INTERVAL AT 9688 TO 9755 BY CLEG USING 500 GALS ACID
TREATED PERF INTERVAL AT 9688 TO 9755 BY ACID USING 10000 GALS ACID
RAN THE FOLLOWING LOGS: ES,GRNL,GRL FROM 40 TO 9910 BY SCHL

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-25713-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 16 TWP: 21S RNG: 33E
COMPANY: BROWN E L
LEASE: ARCO STATE WELL NO: 1 FIELD: ANDERSON RANCH
LAT: 32.92874 LON: 103.76444
LOCATION NARRATIVE: 330FN L 1150FE L SEC

SPUD DATE: 01-22-1978 COMP DATE: 03-17-1978 RLEV: ELEV: 4232.92
DRILLERS TD: 10100 LOG TD:

<<CASING>>

12-48/64 @	553 W/	450 SX	
08-40/64 @	4220 W/	550 SX	
@	W/	SX	
@	W/	SX	
@	W/	SX	

<<CONDENSED WELL SUMMARY>>

INITIAL:DEV,FINAL:D&A,WELL CLASS: D&A,HC SHOW,
RAN: TMPL

<<INITIAL POTENTIAL>>

FFS -		WTR/BP OIL:		GAS:		SW:
HOUR TEST:	OIL:	/64 TP:	SITP:	GCF:		FW:
FFS -		WTR/BP OIL:		GAS:		SW:
HOUR TEST:	OIL:	/64 TP:	SITP:	GCF:		FW:
FFS -		WTR/BP OIL:		GAS:		SW:
HOUR TEST:	OIL:	/64 TP:	SITP:	GCF:		FW:

FORMATION TESTS: 9640-9686, 9831-9958, 10036-10049, 9592-9737, 9893-976,

<<TOPS AND CASES>>

PI TOPS			
GLRT ----- 5985			
ABO ----- 7554			
WFMP ----- 9850			

<<FORMATION TESTS>>

DST FROM 9640 TO 9686 IN THE WFMP RESULTS OF DST: UNK
DST FROM 9831 TO 9958 IN THE WFMP, RECOVERED 200 FT OIL AND GAS CUT
MUD,RECOVERED 30 FT OIL,RECOVERED 30 FT WTR,RECOVERED 1000 FT GAS CUT OIL
DST FROM 10036 TO 10049 IN THE WFMP, RECOVERED 640 FT SLT OIL WTR
DST FROM 9593 TO 9737 IN THE ABO RESULTS OF DST: UNK
DST FROM 9893 TO 9706 IN THE ABO, RECOVERED 258 FT MUD,RECOVERED 2 FT OIL

RAN THE FOLLOWING LOGS: TMPL

07/29/90 AMOCO PRODUCTION COMPANY API NO: 30-025-00377-00
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EXPLORATION SYSTEMS SCOUT TICKET(TM)

STATE: NM COUNTY: LEA SEC: ___2 TWP: 016_S RNG: 032_E
COMPANY: MID-CONTINENT PET CORP
LEASE: STATE 76 WELL NO: 2 FIELD: ANDERSON RANCH WOLFC
LAT: 32°.95FLD LON: 103°.7306)
LOCATION NARRATIVE: 462CFS L 660FE L SEC

SPUD DATE: 11-23-1954 COMP DATE: 01-20-1955 ELEV: 4306 DF
DRILLERS TD: 9960 LOG TD:

<<CASING>>

13-24/64 @	535 W/	500 SX	
09-A0/64 @	4205 W/	2500 SX	
@	W/	SX	
@	W/	SX	
@	W/	SX	

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:DRY,WELL CLASS: OIL,,HC
SHOW,GAS: ES GEL,ATF DRILL

<<INITIAL POTENTIAL>>

PFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FW:
PFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FW:
PFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FW:

FORMATION TESTS: 9704-9753, 9753-9803, 9806-9853, 9844-9895, 9894-9960,

<<TOPS AND(FASTS)>>

PI TOPS	CLEA ----- 4247		
ANDR ----- 1289	TUBB ----- 6850		
YTES ----- 2479	ABO ----- 7580		
SADR ----- 4119	WFMP ----- 8967		
GLRT ----- 5670	SDRS ----- 9470		

<<FORMATION TESTS>>

DST FROM 9704 TO 9753 INITIAL OPEN 3 HOUR, RECOVERED 1000 FT SLI OIL GAS CUT WTR CUSH,RECOVERED 90 FT OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 530, SHUTIN PRESSURES: FINAL SHUT-IN 650 ON A 15 MIN TEST

DST FROM 9753 TO 9803 WITH 1000 FT WTR CUSH, INITIAL OPEN 1 HOUR, RECOVERED 1000 FT WTR CUSH,RECOVERED 30 FT MUD, SHUTIN PRESSURES: FINAL SHUT-IN 650 ON A 15 MIN TEST

DST FROM 9806 TO 9853 WITH 1000 FT WTR CUSH, INITIAL OPEN 4 HOUR, RECOVERED 1000 FT SLI OIL GAS CUT WTR CUSH,RECOVERED 120 FT OIL CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 650, SHUTIN PRESSURES: FINAL SHUT-IN 700 ON A 15 MIN TEST

DST FROM 9844 TO 9895 WITH 1000 FT WTR CUSH, INITIAL OPEN 1 HOUR 30 MIN, RECOVERED 1000 FT WTR CUSH,RECOVERED 15 FT MUD NS, SHUTIN PRESSURES: FINAL SHUT-IN 700 ON A 15 MIN TEST

DST FROM 9890 TO 9960 WITH 1000 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 5 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 225 MINS, RECOVERED 1000 FT WTR CUSH,RECOVERED 7500 FT SUL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 580 FIRST FINAL 2120, SHUTIN PRESSURES: FINAL SHUT-IN 2285 ON A 15 MIN TEST

<<CORE INFORMATION>>

TOOK CORES: 9700 TO 9750 RECOVERED 50.0 FT LITHOLOGY-(LLS) POROUS ZONE-(TYPE: JBY) SHOWS-(FLO) GAS FAIR STNFL), 9753 TO 9803 RECOVERED 19.0 FT LITHOLOGY-(LLS SH) POROUS ZONE-(TYPE: SZ) SHOWS-(SLI STNFL SLI ODOR), 9803 TO 9827 RECOVERED 24.0 FT LITHOLOGY-(LLM) POROUS ZONE-(TYPE: SY) DETAILED DESCRIPTION FROM 9826 TO 9827 POROSITY-(G), 9828 TO 9853 RECOVERED 25.0 FT LITHOLOGY-(LIM) DETAILED DESCRIPTION OF 4.00 SHOWS-(SLI STN) DETAILED DESCRIPTION OF 5.00 POROSITY-(G) SHOWS-(GOOD STNGD) DETAILED DESCRIPTION OF 15.00 SHOWS-(NS), 9853 TO 9873 RECOVERED 20.0 FT LITHOLOGY-(LLS) POROUS ZONE-(TYPE: D) SHOWS-(SLI OCR-U), 9873 TO 9893 RECOVERED 16.0 FT LITHOLOGY-(LLM) POROUS ZONE-(TYPE: JC) SHOWS-(SCAT OCR-U), 9895 TO 9923 RECOVERED 28.0 FT DETAILED DESCRIPTION OF 23.00 LITHOLOGY-(LM) SHOWS-(NS) DETAILED DESCRIPTION OF 2.00 LITHOLOGY-(LM LM) SHOWS-(SLI STN) DETAILED DESCRIPTION OF 1.00 LITHOLOGY-(LM) POROSITY-(S) SHOWS-(SLI OSTN) DETAILED DESCRIPTION OF 2.00 LITHOLOGY-(LM) SHOWS-(SLI OSTN)

TOOK CORES: 9923 TO 9960 RECOVERED 36.0 FT DETAILED DESCRIPTION OF 22.00 LITHOLOGY-(LM) SHOWS-(FAIR OCR-U FAIR STNFL) DETAILED DESCRIPTION OF 3.00 LITHOLOGY-(LM) SHOWS-(NS) DETAILED DESCRIPTION OF 4.00 LITHOLOGY-(LM) POROSITY-(D) DETAILED DESCRIPTION OF 5.00 LITHOLOGY-(LM) POROSITY-(G) SHOWS-(STNGD FLO) DETAILED DESCRIPTION OF 2.00 LITHOLOGY-(LM) POROSITY-(D) SHOWS-(NS)

RAN THE FOLLOWING LOGS: ES,GEL FROM SD TO 9967 BY SCHL, *** DUMMY PGM CTL TO CORRECT CORED INT DEPTHS ON SEQNE

RE-ENTERED: LEASE CARRIED AS THE SUNRAY DX OIL CO NUMBER 3 STATE LAND &

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-21965-00
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EXPLORATION SYSTEMS SCOUT TICKET (T-3)

STATE: NM COUNTY: LEA SEC: ___2 TWP: 21S_S RNG: 33E_E
COMPANY: GULF OIL CORP
LEASE: EDDY-LEA STATE NCTA WELL NO: 1 FIELD: ANDERSON RANCH WOLFC
LAT: 32.9926) LON: 103.7382)

LOCATION NARRATIVE: 1990FN L 2310FW L SEC

SPUD DATE: 11-27-1966 COMP DATE: 02-02-1967 ELEV: 4325 DF
DRILLERS TD: 9995 LOG TD:

<<CASING>>

13-24/64	@ 522	W/ 1100	SX
08-40/64	@ 3450	W/ 650	SX
05-32/64	@ 9994	W/ 750	SX
	@	W/	SX
	@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:DEV,FINAL:OIL,WELL CLASS: PRODEVIL,FC
SHOW,IP DATA,PRODUCTION TESTS,DRILLING SHOW,
FORMATION TESTS,TREATMENTS,FAN: MICS GRNL SFC
ACSL CALP,PRODUCES FROM WFMP,AIR DRILL

<<INITIAL POTENTIAL>>

PFS 9779- 9786 WITH/IP OIL: 391BBLS/D GAS: SW:
HOUR TEST: 18 CH:32/64 TP: 100 SITP: GOR: FM:WFMP
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:

FORMATION TESTS:

<<TOPS AND(BASES)>>

SI TOPS	TUBB ----- 6057	
ANDR ----- 1293	ABO ----- 7542	
YTES ----- 2814	WFMP ----- 8920	
SADR ----- 4103		
GLRT ----- 5070		

<<INITIAL POTENTIAL>>

FROM PERF AT 9779-9786 IN THE WFMP BY FLG & RECOVERED 391 BBLS/D OIL OVER A 18 HOUR PERIOD USING 32/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 100 PSI PLUG-BACK TD 9810 FEET, RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 40.2

<<PRODUCTION TESTS>>

SWAB PERF AT 9838-9866 RECOVERED 160 BBLS/D WATER OVER A 10 HOUR 30 MIN PERIOD.
SWAB PERF AT 9838-9844 RECOVERED 34 BBLS/D WATER
SWAB PERF AT 9838-9844 RECOVERED 100 PCT WATER
SWAB PERF AT 9779-9786 IN THE WFMP RECOVERED 28 BBLS/D WATER

TREATED PERF INTERVAL AT 9838 TO 9844 BY ACID USING 500 GALS ACID
TREATED PERF INTERVAL AT 9838 TO 9844 BY ACID USING 500 GALS ACID
TREATED PERF INTERVAL AT 9838 TO 9844 BY ACID USING 500 GALS ACID
TREATED PERF INTERVAL AT 9779 TO 9786 BY ACID USING 500 GALS ACID
TREATED PERF INTERVAL AT 9779 TO 9786 BY ACID USING 500 GALS ACID
DRILLING SHOWS ENCOUNTERED: AT 1990 TO 1600 SHOW-(HF FROM TF HF), AT TD 2190
SHOW-(HF FROM TP HF)
RAN THE FOLLOWING LOGS: MICS BY PGAC,GRNL BY PGAC,FEC BY PGAC,ACSL BY PGAC,CALP
BY PGAC, *** DUMMY PGM CTL TO CORRECT TOPS FMPROD FLAG

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-21950-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 2 TWP: 21S RNG: 32E
COMPANY: BURLESON AND HUFF
LEASE: SUNRAY-STATE WELL NO: 1 FIELD: ANDERSON RANCH
LAT: 32.46300 LON: 103.73820
LOCATION NARRATIVE: 660FN L 2310FW L SEC

SPUD DATE: 01-04-1967 COMP DATE: 02-05-1967 ELEV: 4315 DF
DRILLERS TD: 9500 LOG TD:

<<CASING>>

13-24/64	@	400	W/ 420	SX
09-40/64	@	3450	W/ 650	SX
	@		W/	SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:DEV,FINAL:D&A,WELL CLASS: D&A,PAN: GRL

<<INITIAL POTENTIAL>>

PFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FW:
PFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FW:
PFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FW:
FORMATION TESTS:

<<TOPS AND(BASES)>>

DT TOPS	AEC ----- 7520		
ANDR ----- 1885	WFMP ----- 8931		
SADR ----- 4100			
GLRT ----- 5670			
TUBB ----- 6980			

RAN THE FOLLOWING LOGS: GRL FROM 0 TO 9500 BY SCHL,GRL FROM 24 TO 9502 BY SCHL

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-00371-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 2 TWP: 21S RNG: 32E
COMPANY: GULF OIL CORP
LEASE: LEA-STATE CD WELL NO: 1 FIELD: ANDERSON RANCH WOLFC
LAT: 32.99150 LON: 103.73364
LOCATION NARRATIVE: 330FS L 660FE L SEC

SPUD DATE: 08-28-1964 COMP DATE: 11-06-1964 ELEV: 4305 DF
DRILLERS TD: 9875 LOG TD:

<<CASING>>

13-24/64	@	628	W/ 650	SX
20-40/64	@	4195	W/ 2870	SX
05-32/64	@	9874	W/ 300	SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODOIL,
EC SHOW,IP DATA,PAY: ES GRNL SFL,PRODUCES
FROM WFMP,ATD DRILL

<<INITIAL POTENTIAL>>

PFS 9773- 9843 WTR/IP OIL: 960BBLS/D GAS: SW:
HOUR TEST: 4 CH:48/64 TP: 100 SITP: GOR: 1367 FM:WFMP
PFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9510-9639, 9639-9733, 9726-9837, 9833-9875,

<<TOPS AND(BASES)>>

PI TOPS	TUBB	6965	
ANDR 1290	ABO	7620	
YTES 2185	WFMP	8930	
SADR 4095			
GLRT 5690			

<<INITIAL POTENTIAL>>

FROM PERF AT 9773-9843 IN THE WFMP BY FLOW RECOVERED 960 BBLS/D OIL OVER A 4 HOUR PERIOD USING 48/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 100 PSI CASING PRESSURE PKR PSI PACKER SET AT 9640 FEET PLUG-BACK TO 9858 FEET, GOR OF 1367 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 42.9

<<FORMATION TESTS>>

DST FROM 9510 TO 9539 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 105 FT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 00, SHUTIN PRESSURES: FINAL SHUT-IN 70 ON A 15 MIN TEST
DST FROM 9639 TO 9733 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 25 MINS, RECOVERED 900 FT HVY OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 140, SHUTIN PRESSURES: FINAL SHUT-IN 1870 ON A 15 MIN TEST
DST FROM 9728 TO 9837 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR 30 MIN, FLOWED 1968 MCFD GAS WITH A TIME TO SURFACE OF 4 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 11 MINS, FLOWED OIL WITH A TIME TO SURFACE OF 15 MINS GRAVITY OF RECOVERED FLUID-42.0, FLOWED 73 BPH OIL, RECOVERED 30 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 450 FIRST FINAL 2515, SHUTIN PRESSURES: FINAL SHUT-IN 2560 ON A 15 MIN TEST
DST FROM 9833 TO 9875 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR 40 MIN, FLOWED 1462 MCFD GAS WITH A TIME TO SURFACE OF 9 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 21 MINS, FLOWED 33 BPH OIL WITH A TIME TO SURFACE OF 26 MINS, FLOWED 27 BPH WTR, RECOVERED 25 BBLS OIL, RECOVERED 40 FT SLY WTR, RECOVERED 60 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 1150 FIRST FINAL 2520, SHUTIN PRESSURES: FINAL SHUT-IN 3515 ON A 15 MIN TEST

<<CORE INFORMATION>>

TOOK CORES: 9550 TO 9585 RECOVERED 37.0 FT LITHOLOGY-(LLM STRKS SH), 9585 TO 9639 RECOVERED 51.1 FT LITHOLOGY-(SSHLY LM CHT), 9639 TO 9693 RECOVERED 38.0 FT LITHOLOGY-(LLM) POROUS ZONE-(TYPE : SU) DETAILED DESCRIPTION FROM 9644 TO 9683 SHOWS-(FLED OIL), 9683 TO 9733 RECOVERED 50.0 FT LITHOLOGY-(LLM STKS SH) DETAILED DESCRIPTION FROM 9701 TO 9707 SHOWS-(FLED OSG), 9733 TO 9783 RECOVERED 50.0 FT LITHOLOGY-(LLM) POROUS ZONE-(TYPE: Y) SHOWS-(DSTN), 9783 TO 9837 RECOVERED 54.0 FT LITHOLOGY-(LLM) SHOWS-(GOOD ODR-U GOOD STN-U), 9837 TO 9875 RECOVERED 38.0 FT LITHOLOGY-(LLM) POROUS ZONE-(TYPE: Y) SHOWS-(GOOD DSTN GOOD ODR-U)

RAN THE FOLLOWING LOGS: ES,GRNL,GRL FROM SO TO 9885 BY SCHL, *** DUMMY PGM CTL TO CORRECT TOPS FREEZE FLAG 444 DUMMY PGM CTL TO CORRECT CORED INT DEPTHS HO SEGMC

ABANDONED IN (WFMP), 12-06-1970

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-20366-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-2)

STATE: NM COUNTY: LEA SEC: 02 TWP: 016 S RNG: 032 E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 18 FIELD: ANDERSON RANCH WOLFC
LAT: 32.94790 LON: 103.74350
LOCATION NARRATIVE: 1980FS L 660FW L SEC

SPUD DATE: 04-21-1966 COMP DATE: 06-30-1966 ELEV: 4321 DF ELEV: 4322 GR
DRILLERS TD: 9920 LOG TD:

<<CASING>>

13-24/64	@	627	W/ 600	SX
08-40/64	@	4162	W/ 2388	SX
05-32/64	@	9919	W/ 303	SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODTOIL,
HC SHOW,IP DATA,PRODUCTION TESTS,FORMATION
TESTS,TREATMENTS,RAN: ES GRNL GRL

<<INITIAL POTENTIAL>>

PERFS 9720- 9903 WTR/IP OIL: 1008BBLS/D GAS: SW:
HOUR TEST: 6 CH: 40/64 TP: 350 SIP: GOR: 1224 FM:
PERFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SIP: GOR: FM:
PERFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SIP: GOR: FM:
FORMATION TESTS: 9725- 9880, 9881- 9920,

<<TOPS AND CASES>>

AMOCO-REDTOP	PI TOPS	SDRS ----- 9703	
GLRT ----- 5720	GLRT ----- 5701		
DRKD ----- 5985	TUBB ----- 6890		
ABO ----- 7500	AEC ----- 7650		
WFMP ----- 8960	PLCC ----- 8966		

<<INITIAL POTENTIAL>>

FROM PERF AT 9720-9903 BY FLOW RECOVERED 1008 BBLS/D OIL OVER A 6 HOUR PERIOD USING 40/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 350 PSI CASING PRESSURE 280 PSI PLUG-BACK TO 9909 FEET, GOR OF 1224 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 42.0

<<PRODUCTION TESTS>>

FROM PERF AT 9890-9903 BY FLOW RECOVERED 44 BBLS OIL OVER A 5 HOUR PERIOD USING 48/64 INCH CHOKE, TEST PRESSURES: PACKER SET AT 9878 FEET PLUG-BACK TO 9909 FEET
FROM PERF AT 9846-9867 BY FLOW RECOVERED 28 BBLS OIL OVER A 2 HOUR PERIOD USING 11/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 500 PSI PACKER SET AT 9832 FEET PLUG-BACK TO 9884 FEET
FROM PERF AT 9778-9816 BY FLOW RECOVERED 58 BBLS OIL OVER A 2 HOUR PERIOD USING 40/64 INCH CHOKE, TEST PRESSURES: PACKER SET AT 9760 FEET PLUG-BACK TO 9852 FEET
FROM PERF AT 9720-9750 BY FLOW RECOVERED 82 BBLS OIL OVER A 3 HOUR PERIOD USING 40/64 INCH CHOKE, TEST PRESSURES: PACKER SET AT 9689 FEET PLUG-BACK TO 9760 FEET

<<FORMATION TESTS>>

DST FROM 9725 TO 9880 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR 45 MIN, FLOWED 500 MCFD GAS WITH A TIME TO SURFACE OF 5 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 100 MINS, FLOWED 16 BPH OIL WITH A TIME TO SURFACE OF 105 MINS, OPEN FLOWING PRESSURES: FIRST INITIAL 550 FIRST FINAL 1475, SHUTIN PRESSURES: FINAL SHUT-IN FAILED USING A 0-40/64 INCH TOP CHOKE
DST FROM 9881 TO 9920 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 4 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 15 MINS, RECOVERED 90 FT SALT WTR,RECOVERED 1260 FT OIL,RECOVERED 610 FT MUD CUT SOL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 250 FIRST FINAL 625, SHUTIN PRESSURES: FINAL SHUT-IN 2025 ON A 15 MIN TEST

TREATED PERF INTERVAL AT 9890 TO 9903 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 9846 TO 9867 BY ACID USING 2000 GALS ACID
TREATED PERF INTERVAL AT 9778 TO 9816 BY ACID USING 2000 GALS ACID
TREATED PERF INTERVAL AT 9720 TO 9750 BY ACID USING 2000 GALS ACID
RAN THE FOLLOWING LOGS: ES,GRNL,GRL FROM 2500 TO 9908 BY SCHL

07/20/80 AMOCO PRODUCTION COMPANY API NO: 30-025-00367-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 2 TWP: 016-S RNG: 032-E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 17 FIELD: ANDERSON RANCH WOLFC
LAT: 32.64790 LON: 103.73469
LOCATION NARRATIVE: 1980FS L 1980FE L SEC

SPUD DATE: 10-16-1954 COMP DATE: 12-29-1954 ELEV: 4283 DF
DRILLERS TD: 9967 LOG TD:

<<CASINGS>>

13-24/64 @ 617 W/ 500 SX
08-40/64 @ 4195 W/ 2300 SX
05-32/64 @ 9966 W/ 250 SX
@ W/ SX
@ W/ SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODOIL,
RE-ENTERED 1957,EC SHOW,IP DATA,PRODUCTION
TESTS,FORMATION TESTS,TREATMENTS,RAN: ES GRNL
GRL,PRODUCED FROM WFMP,AIR DRILL

<<INITIAL POTENTIAL>>

PFS 9680- 9810 WTR/IP OIL: 1560BLS/D GAS: SW:
HOUR TEST: 6 CH: 32/64 TP: 750 SITP: GOR: 1007 FM:
PFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9500- 9820.

<<TOPS AND PHASES>>

AMOCO-REDTOP	PI SAMPLE TOPS
GLRT ------ 5693	SACR ------ 4120
DRKO ------ 6835	ABO ------ 7500
ABO ------ 7493	WFMP ------ 8820
WFMP ------ 8810	

<<INITIAL POTENTIAL>>

FROM PERF AT 9680-9810 BY FLOW RECOVERED 1560 BBLS/D OIL OVER A 6 HOUR PERIOD USING 32/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 750 PSI CASING PRESSURE 575 PSI PLUG-BACK TO 9966 FEET, GOR OF 1007 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 42.0

<<PRODUCTION TESTS>>

FROM PERF AT 9748-9810 BY FLOW RECOVERED 170 BBLS OIL OVER A 8 HOUR PERIOD USING 48/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 125 PSI PACKER SET AT 9734 FEET
FROM PERF AT 9748-9810 BY FLOW RECOVERED 408 BBLS OIL 2000 MCFD GAS OVER A 3 HOUR 30 MIN PERIOD USING 48/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 650 PSI PACKER SET AT 9714 FEET
FROM PERF AT 9680-9714 BY FLOW RECOVERED 105 BBLS OIL OVER A 3 HOUR PERIOD USING 48/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 200 PSI PACKER SET AT 9610 FEET PLUG-BACK TO 9734 FEET
FROM PERF AT 9850-9868 RECOVERED 100 PCT WATER
FROM PERF AT 9680-9810 RECOVERED 100 BBLS OIL 231 MCFD GAS 308 BBLS/D WATER OVER A 24 HOUR PERIOD, GOR OF 2115

<<FORMATION TESTS>>

DST FROM 9500 TO 9820 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 28 MIN, FLOWED 4700 MCFD GAS WITH A TIME TO SURFACE OF 3 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 14 MINS, FLOWED 80 BPH OIL WITH A TIME TO SURFACE OF 22 MINS, OPEN FLOWING PRESSURES: FIRST INITIAL 2475 FIRST FINAL 3125, SHUTIN PRESSURES: FINAL SHUT-IN 3900 ON A 15 MIN TEST

<<CORE INFORMATION>>

TOOK CORES: 9670 TO 9722 RECOVERED 52.0 FT LITHOLOGY-(LLM) POROUS ZONE-(TYPE: SU) SHOWS-(FAIR STN-O), 9722 TO 9776 RECOVERED 54.0 FT LITHOLOGY-(CHERT LM) POROUS ZONE-(TYPE: SU) DETAILED DESCRIPTION FROM 9763 TO 9776 SHOWS-(GOOD STN-O), 9776 TO 9785 RECOVERED 7.0 FT LITHOLOGY-(LLM) POROUS ZONE-(TYPE: SU), 9785 TO 9820 RECOVERED 34.0 FT LITHOLOGY-(LLM) POROUS ZONE-(TYPE: SU) SHOWS-(SLI OIL BLED OIL), 9820 TO 9871 RECOVERED 51.0 FT DETAILED DESCRIPTION OF 2.50 LITHOLOGY-(DOL) POROSITY-(F) SHOWS-(FAIR STN-O) DETAILED DESCRIPTION OF 48.50 LITHOLOGY-(LM) SHOWS-(GOOD STN-O BLED OIL)

TREATED PERF INTERVAL AT 9748 TO 9810 BY ACID USING 2000 GALS ACID TYPE-(GA)
TREATED PERF INTERVAL AT 9680 TO 9714 BY ACID USING 200 GALS ACID
TREATED PERF INTERVAL AT 9680 TO 9714 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 9680 TO 9810 BY ACID USING 1000 GALS ACID
RAN THE FOLLOWING LOGS: ES,GRNL,GRL FROM 4150 TO 9954 BY SCHL, *** DUMMY PGM CTL TO CORRECT TOPS FMSSED FLAG *** DUMMY PGM CTL TO CORRECT CORED INT DEPTHSHO SEGVE,

RE-ENTERED: ON 07-22-1957 LEASE CARRIED AS THE CONTINENTAL OIL CO. NUMBER 17 ANDERSON RANCH UNIT
RECOMPLETED 07-29-1957, INITIAL FIELD, FINAL OIL.

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-03864-00
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EXPLORATION SYSTEMS SCOUT TICKET(T=3)

STATE: NM COUNTY: LEA SEC: 2 TWP: 21S RNG: 32E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 12 FIELD: ANDERSON RANCH WOLFC
LAT: 32.94430 LON: 103.73920
LOCATION NARRATIVE: 660FS L 1980FW L SEC

SPUD DATE: 03-17-1954 COMP DATE: 05-15-1954 ELEV: 4320 DF
DRILLERS TD: 9865 LOG TD:

<<CASING>>

13-24/64	@	510 W/	500 SX
08-40/64	@	4209 W/	2850 SX
05-32/64	@	9864 W/	805 SX
	@	W/	SX
	@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODOIL,
HC SHOW,IP DATA,TREATMENTS,RAN: LL ML GRNL GRL

<<INITIAL POTENTIAL>>

PFS 9812-9865 WITH/IP OIL: 1100BBLS/D GAS: SW:
HOUR TEST: 6 CH:32/64 TP: 425 SITP: GOR: 1276 FM:
PFS -- WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS -- WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9590-9795, 9795-9870,

<<TOPS AND(BASES)>>

PI TOPS			
GLRT -----	5275		
TUPR -----	6564		
ABO -----	7618		
WOLC -----	8927		

<<INITIAL POTENTIAL>>

FROM PERF AT 9812-9852 BY FLOW RECOVERED 1100 BBLS/D OIL OVER A 6 HOUR PERIOD USING 32/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 425 PSI PLUG-BACK TD 9863 FEET, GOR OF 1276 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 42.0

<<FORMATION TESTS>>

DST FROM 9590 TO 9795 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 4 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 147 MINS, RECOVERED 460 FT GAS CUT MUD,RECOVERED 180 FT GAS SLI OIL CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 500, SHUTIN PRESSURES: FINAL SHUTIN 500 ON A 25 MIN TEST

DST FROM 9795 TO 9870 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 16 MIN, FLOWED 1404 MCFD GAS WITH A TIME TO SURFACE OF 3 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 6 MINS, FLOWED 81 BPH OIL WITH A TIME TO SURFACE OF 8 MINS, OPEN FLOWING PRESSURES: FIRST FINAL 2135, SHUTIN PRESSURES: FINAL SHUT-IN 3210 ON A 15 MIN TEST

TREATED PERF INTERVAL AT 9812 TO 9858 BY ACID USING 500 GALS ACID
RAN THE FOLLOWING LOGS: LL,ML,GRNL,GRL FROM 4220 TO 9866 BY SCHL

07/29/90 AMOCO PRODUCTION COMPANY API NO: 30-025-30379-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 03 TWP: 016 S RNG: 032 E
COMPANY: PHILLIPS PET. CO.
LEASE: AGGIE A WELL NO: 1 FIELD: ANDERSON RANCH PENN
LAT: 32.9479C LON: 103.7478)
LOCATION NARRATIVE: 1978FS L 660FE L SEC

SPUD DATE: 08-02-1955 COMP DATE: 10-15-1955 ELEV: 4336 DF ELEV: 4327.95
DRILLERS TD: 10000 LOG TD:

<<CASING>>

13-24/64	@ 476	W/ 450	SX
08-40/64	@ 4210	W/ 1963	SX
05-32/64	@ 10000	W/ 150	SX
	@	W/	SX
	@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODUCTIL, EC SHOW,IP DATA,PRODUCTION TESTS,FORMATION TESTS,TREATMENTS,RAN: ES ML GRL GRNL

<<INITIAL POTENTIAL>>

PFS 9718- 9900 WITH/IP OIL: 205BBLS/D GAS: SW:
HOUR TEST: 24 CH: 16/64 TP: 200 SITP: GOR: 1213 FW:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FW:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FW:
FORMATION TESTS: 9720- 9880, 9880- 9930, 9930-10000,

<<TOPS AND(BASES)>>

AMOCO-PENTOP	GLRT ----- 5700	ANDR ----- 1300	ABO ----- 7620
ANHY ----- 1300	DRKD ----- 6892	YTES ----- 2540	WFMP ----- 8990
YTES ----- 2540	AEC ----- 7569	SADR ----- 4173	
QUEN ----- 3378	WFMP ----- 9039	GLRT ----- 5700	
SADR ----- 4175	PI TOPS	TUBB ----- 6890	

<<INITIAL POTENTIAL>>

FROM PERF AT 9718-9900 BY FLOW RECOVERED 205 BBLS/D OIL OVER A 24 HOUR PERIOD USING 16/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 200 PSI CASING PRESSURE 850 PSI PLUG-BACK TO 9956 FEET, GOR OF 1213 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 40.0

<<PRODUCTION TESTS>>

FROM PERF AT 9718-9900 BY FLOW RECOVERED 18 BBLS OIL OVER A 1 HOUR PERIOD, TEST PRESSURES: TUBING PRESSURE 150 PSI PLUG-BACK TO 9956 FEET
FROM PERF AT 9718-9864 BY FLOW RECOVERED 18 BBLS OIL OVER A 1 HOUR PERIOD USING 32/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 200 PSI PLUG-BACK TO 9863 FEET

<<FORMATION TESTS>>

DST FROM 9720 TO 9880 WITH 1440 FT MTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 5 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 150 MINS, RECOVERED 1440 FT MTR CUSH,RECOVERED 180 FT GAS CUT MUD,RECOVERED 240 FT HVY GAS SLI OIL CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 825, SHUTIN PRESSURES: FINAL SHUT-IN 1500 ON A 45 MIN TEST
DST FROM 9880 TO 9930 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 45 MIN, RECOVERED 150 FT MTR CUSH,RECOVERED 25 FT MUD W/S, OPEN FLOWING PRESSURES: FIRST FINAL 675, SHUTIN PRESSURES: FINAL SHUT-IN 675 ON A 15 MIN TEST
DST FROM 9930 TO 10000 WITH 1590 FT MTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 30 MIN, RECOVERED 1590 FT MTR CUSH,RECOVERED 2610 FT SALT SLI MTR, OPEN FLOWING PRESSURES: FIRST INITIAL 775 FIRST FINAL 1825, SHUTIN PRESSURES: FINAL SHUT-IN 3525 ON A 15 MIN TEST

TREATED PERF INTERVAL AT 9718 TO 9900 BY CLAG USING 500 GALS ACID
TREATED PERF INTERVAL AT 9718 TO 9864 BY ACID USING 1000 GALS ACID
RAN THE FOLLOWING LOGS: ES,ML,GRL,GRNL,GRL FROM 50 TO 10010 BY SCHL.

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-24171-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-2)

STATE: NM COUNTY: LEA SEC: 5 TWP: 016S RNG: 032E
COMPANY: FOSTER TESTERS
LEASE: AMOCO-STATE WELL NO: 1 FIELD: ANDERSON RANCH WOLFC
LAT: 32.93492 LON: 103.76940
LOCATION NARRATIVE: 1980FS L 1980FE L SEC

SPUD DATE: 07-06-1972 COMP DATE: 10-22-1972 ELEV: 4346 DF
DRILLERS TD: 10515 LOG TD:

<<CASING>>

11-44/64	@	615	W/ 500	SX
08-40/64	@	4190	W/ 600	SX
05-32/64	@	10519	W/ 375	SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:NEW,FINAL:OIL,WELL CLASS: PRODUCTION,RE
SPCN,IP DATA,PRODUCTION TESTS,LOST CIRC,
FORMATION TESTS,TREATMENTS,RAN: IL FOCUS ML
ACSL GEL,REPRODUCES FROM ATMP

<<INITIAL POTENTIAL>>

PFS 9888- 9965 WTR/IP OIL: 711BBLS/D GAS: SR: 87BBLS/D
HOUR TEST: 8 CH: /64 TP: SITP: CCP: 2500 FM:WEMP
PFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: CCP: FM:
PFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: CCP: FM:
FORMATION TESTS: 9845- 9880, 9880- 9920, 9922- 9972,

<<TOPS AND CASES>>

AMOCO-STRAP	GLET 6458	YTES 2498	WEAP 8570
ANDR 1243	TUBB 6869	SVRV 2767	PSLV 10153
YTES 2470	AEC 7633	QUEN 3366	CNYN 10583
SVRV 2765	WFMP 8572	SADR 4219	INTERPOLATED TOP
QUEN 3365	PVLV 9870	GLET 5453	PSLR -777- 1319
GFRG 3870	ST TOPS	TUBB 6990	ORRD -777- 6861
SADR 4219	ANDR 1245	AEC 7542	CSCO -777-10130

<<INITIAL POTENTIAL>>

SWAB PERF AT 9888-9965 IN THE WFMP RECOVERED 711 BBLS/D OIL 87 BBLS/D WATER OVER A 8 HOUR PERIOD, TEST PRESSURES: FLUC-BACK TO 9990 FEET, GOR OF 2500 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 39.4

<<PRODUCTION TESTS>>

SWAB(10522-10540) IN THE PSLV RECOVERED 20 BBLS/D WATER
SWAB PERF AT 10449-10464 IN THE PSLV RECOVERED 40 BBLS/D WATER
SWAB PERF AT 10212-10220 IN THE PSLV RECOVERED 10 BBLS/D WATER
SWAB PERF AT (9911-10021 IN THE WFMP RECOVERED 48 BBLS/D WATER OVER A 4 HOUR PERIOD
FRAC PERF AT 9888-9914 IN THE WFMP BY FLCA RECOVERED 50 BBLS OIL OVER A 17 HOUR PERIOD USING 32/64 INCH CHOKE

<<FORMATION TESTS>>

DST FROM 9845 TO 9880 IN THE WFMP INITIAL OPEN 1 HOUR, RECOVERED 35 FT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 47 FIRST FINAL 57 (060 MINUTES), SHUTIN PRESSURES: INITIAL SHUT-IN 588 ON A 1 HOUR TEST FINAL SHUT-IN 1271 ON A 000 HOUR TEST
DST FROM 9880 TO 9920 IN THE WFMP INITIAL OPEN 2 HOUR 15 MIN, FLOWED 140 MCFD GAS WITH A TIME TO SURFACE OF 15 MINS, RECOVERED 600 FT OIL AND GAS CUT MUD,RECOVERED 1400 FT MUD GAS CUT OIL,RECOVERED 90 FT OIL CUT WTR,RECOVERED 3000 FT HVY GAS CUT OIL, OPEN FLOWING PRESSURES: (135 MINUTES), SHUTIN PRESSURES: INITIAL SHUT-IN 3478 ON A 1 HOUR TEST FINAL SHUT-IN 3330 ON A 002 HOUR 30 MIN TEST
DST FROM 9922 TO 9972 IN THE WFMP INITIAL OPEN 4 HOUR 20 MIN, FLOWED 121 BPH OIL WITH A TIME TO SURFACE OF 140 MINS, RECOVERED 16 BBLS MUD CUT OIL,RECOVERED 90 FT SLI OIL CUT WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 1107 FIRST FINAL 931 (260 MINUTES), SHUTIN PRESSURES: INITIAL SHUT-IN 3238 ON A 1 HOUR TEST FINAL SHUT-IN 2047 ON A 033 HOUR TESTSHUT-IN SURFACE PRESSURE 1205PSI

TREATED PERF INTERVAL AT 9888 TO 9965 BY ACID USING 8000 GALS ACID
RAN THE FOLLOWING LOGS: IL,FOCUS,ML,ACSL,GIL FROM 0 TO 10600 BY DRES-A

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-20550-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 11 TWP: 21S RNG: 32E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 11 FIELD: ANDERSON RANCH WOLFC
LAT: 32.48700 LON: 103.73920
LOCATION NARRATIVE: 1980FN L 1980FW L SEC

SPUD DATE: 03-08-1964 COMP DATE: 04-19-1964 ELEV: 4316 DF
DRILLERS TD: 9950 LOG TD:

<<CASING>>

13-24/64	@	402	W/ 500	SX
08-40/64	@	4181	W/ 2672	SX
05-32/64	@	9948	W/ 676	SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODUCTI,
HC SHOW,IP DATA,PRODUCTION TESTS,FORMATION
TESTS,TREATMENTS,RAN: LL ML GRNL GRL

<<INITIAL POTENTIAL>>

PERS 9734- 9860 *ITP/IP OIL: 20BBLS/D GAS: SW:
HOUR TEST: 24 CH: /64 TP: SITP: GOR: FV:
PERS - *ITP/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PERS - *ITP/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9664- 9805, 9750- 9860, 9860- 9905, 9907- 9952,

<<TOPS ANOMALIES>>

AMOCO-PEDTCO	WEVP ----- 9860	ABO ----- 7660	
SADR ----- 4190	PI TOPS	FLCC ----- 9949	
GLFT ----- 5450	SADR ----- 4194		
DRKO ----- 6550	GLRT ----- 5653		
ABO ----- 7510	TUBB ----- 6852		

<<INITIAL POTENTIAL>>

FROM PERF AT 9734-9860 BY PUMP RECOVERED 20 BBLS/D OIL OVER A 24 HOUR PERIOD,
TEST PRESSURES: PACKER SET AT 9726 FEET PLUG-BACK TO 9868 FEET, RESULTS OF
OIL ANALYSIS: OIL GRAVITY OF 42.0

<<PRODUCTION TESTS>>

SWAB PERF AT 9875-9905 RECOVERED 36 BBLS/D WATER OVER A 6 HOUR PERIOD
FROM PERF AT 9823-9860 BY FLOW RECOVERED 127 BBLS OIL OVER A 9 HOUR PERIOD, TEST
PRESSURES: PACKER SET AT 9815 FEET
SWAB PERF AT 9823-9860 OVER A 24 HOUR PERIOD
SWAB PERF AT 9734-9794
FROM PERF AT 9734-9860 BY FLOW RECOVERED 175 BBLS OIL OVER A 11 HOUR PERIOD,
TEST PRESSURES: PLUG-BACK TO 9842 FEET

<<FORMATION TESTS>>

DST FROM 9664 TO 9805 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL
OPEN 2 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 13 MINS, RECOVERED 350 FT
GAS CUT MUD,RECOVERED 180 FT SLI OIL GAS CUT MUD, OPEN FLOWING PRESSURES:
FIRST FINAL 230, SHUTIN PRESSURES: FINAL SHUT-IN 735 ON A 15 MIN TEST
DST FROM 9750 TO 9860 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL
OPEN 3 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 16 MINS, RECOVERED 270 FT
SLI OIL GAS CUT MUD,RECOVERED 810 FT HVY OIL GAS CUT MUD, OPEN FLOWING
PRESSURES: FIRST FINAL 195, SHUTIN PRESSURES: FINAL SHUT-IN 5225 ON A 15 MIN
TEST
DST FROM 9860 TO 9905 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL
OPEN 1 HOUR, RECOVERED 15 FT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 45,
SHUTIN PRESSURES: FINAL SHUT-IN 45 ON A 15 MIN TEST
DST FROM 9907 TO 9950 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL
OPEN 1 HOUR 30 MIN, RECOVERED 185 FT SLI GAS CUT MUD,RECOVERED 5985 FT GAS
CUT SUL WTR, OPEN FLOWING PRESSURES: FIRST FINAL 2875, SHUTIN PRESSURES:
FINAL SHUT-IN 3325 ON A 15 MIN TEST

TREATED PERF INTERVAL AT 9875 TO 9905 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 9823 TO 9860 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 9823 TO 9860 BY ACID USING 4000 GALS ACID
TREATED PERF INTERVAL AT 9734 TO 9794 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 9734 TO 9794 BY ACID USING 5000 GALS ACID
RAN THE FOLLOWING LOGS: LL ,ML,GRNL,SRL FLOW 0 TO 13767 BY SCHL

07/29/80 ANCCC PRCDUCTION CCMPANY API NO: 30-025-00386-00
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EXPLCRATION SYSTEMS SCCLT TICKET(T=T)

STATE: NM COUNTY: LEA SEC: 11 TWP: 016 S RNG: 032 E
COMPANY: CONTINENTAL CIL CC.
LEASE: ANDERSON RANCH UNIT WELL NC: 10 FIELD: ANDERSON RANCH WOLFC
LAT: 32.93700 LCN: 103.73050
LOCATION NARRATIVE: 1980FN L 660FE L SEC

SPUD DATE: 12-20-1953 COMP DATE: 03-05-1954 ELEV: 4308 DF
DRILLERS TD: 9875 LOG TD:

<<CASING>>

13-24/64 @	615 W/	500 SX	
09-40/64 @	4191 W/	5875 SX	
05-32/64 @	9874 W/	200 SX	
@	W/	SX	
@	W/	SX	

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:CIL,WELL CLASS: PRCDUCIL,
RE-ENTERED 1959,HC SHCW,IP DATA,PRCDUCTION
TESTS,FCRMATION TESTS,TREATMENTS,RAN: ES GRNL
GRI

<<INITIAL PCTENTIAL>>

FFS 9755- 9815 WITH/IP CIL: 615BBLS/D GAS: SW:
HOUR TEST: 6 CH:20/64 TP: 600 SITP: GCR: 878 FM:
FFS - WITH/IP CIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GCR: FM:
FFS - WITH/IP CIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GCR: FM:
FCRMATION TESTS: 9699- 9825, 9824- 9875,

<<TCPS AND CASES>>

PI TCPS	HUFF ----- 8052		
SADR ----- 4018			
> GLFT ----- 5681
TUBB ----- 6850			
ABO ----- 7605			

<<INITIAL PCTENTIAL>>

FROM PERF AT 9755-9815 BY FLCW RECCVERED 615 BBLS/D CIL CVER A 6 HOUR PERICD
USING 20/64 INCH CHCKE, TEST PRESSURES: TUBING PRESSURE 600 PSI CASING
PRESSURE 1250 PSI PLUG-BACK TC 9858 FEET, GCR OF 878 RESULTS OF CIL ANALYSIS:
CIL GRAVITY OF 42.0

<<PRCDUCTION TESTS>>

SWAB PERF AT 9755-9815, TEST PRESSURES: PLUG-BACK TC 9858 FEET
FROM PERF AT 9755-9815 BY FLCW RECCVERED 149 BBLS CIL CVER A 5 HOUR PERICD USING
1 00/64 INCH CHCKE, TEST PRESSURES: PLUG-BACK TC 9858 FEET

<<FCRMATION TESTS>>

DST FROM 9699 TC 9825 WITH A 1-00/64 INCH TOP 0-9 /64 INCH BOTTOM CHCKE, INITIAL
OPEN 1 HCUR 15 MIN, FLCWED 1500 MCFD GAS WITH A TIME TC SURFACE OF 4 MINS,
FLCWED MUD WITH A TIME TO SURFACE OF 10 MINS, FLCWED 70 BPH CIL WITH A TIME
TO SURFACE OF 12 MINS, OPEN FLCWING PRESSURES: FIRST FINAL 2300, SHUTIN
PRESSURES: FINAL SHUT-IN 3425 CN A 15 MIN TEST
DST FROM 9824 TC 9875 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHCKE, INITIAL
OPEN 1 HCUR 30 MIN, FLCWED GAS WITH A TIME TC SURFACE OF 24 MINS, RECCVERED
1275 FT FVY CIL GAS CUT SALT SUL WTR, SHUTIN PRESSURES: INITIAL SHUT-IN 1250
FINAL SHUT-IN 5475 CN A 15 MIN TEST

TREATED PERF INTERVAL AT 9755 TC 9815 BY ACID USING 500 GALS ACID
TREATED PERF INTERVAL AT 9755 TC 9815 BY ACID USING 10000 GALS ACID
RAN THE FOLLCWING LOGS: ES,GRNL,GRL FRCM 9158 TC 9844 BY WFLEX
RE-ENTERED: LEASE CARRIED AS THE CONTINENTAL CIL CC. NUMBER 10 ANDERSON RANCH
UNIT
RECCMPLETED 12-24-1959, INITIAL FIELD, FINAL CIL.

07/29/90 AMOCO PRODUCTION COMPANY API NO: 30-025-03387-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 11 TWP: 21S RNG: 32E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 5 FIELD: ANDERSON RANCH WOLFC
LAT: 32.63340 LON: 103.73490
LOCATION NARRATIVE: 1980FS & 1980FE L SEC

SPUD DATE: 08-20-1953 COMP DATE: 12-22-1953 ELEV: 4309 DF
DRILLERS TD: 10010 LOG TD:

<<CASING>>

13-24/64 @	528 W/	500 SX	
09-40/64 @	4230 W/	1350 SX	
07-00/64 @	10002 W/	362 SX	
@	W/	SX	
@	W/	SX	

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODOIL,
PC SHOW,IP DATA,PRODUCTION TESTS,FORMATION
TESTS,TREATMENTS,RAN: ES GRNL GRL

<<INITIAL POTENTIAL>>

PFS 9742- 9864 WITH/IP OIL: 308BBLS/D GAS: SW:
HOUR TEST: A CH:06/64 TP: 200 SITP: GOR: 222 FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9700-9900, 9934-10010,

<<TOPS AND CASES>>

AMOCO-PENTOP	ABO ----- 6975	ABO ----- 7550
SADR ----- 4215	PI TOPS	HUCO ----- 8560
GLRT ----- 5621	SADR ----- 4190	
DRKD ----- 6660	GLRT ----- 5665	
ABO ----- 7515	TUBB ----- 6836	

<<INITIAL POTENTIAL>>

FROM PERF AT 9742-9834 BY FLOW RECOVERED 308 BBLS/D OIL OVER A 6 HOUR PERIOD
USING 06/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 200 PSI CASING
PRESSURE PKR PSI PACKER SET AT 9590 FEET PLUG-BACK TD 9869 FEET, GOR OF 222
RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 42.2

<<PRODUCTION TESTS>>

SWAB PERF AT 9858-9910 RECOVERED 40 BBLS OIL 54 BBLS/D WATER OVER A 13 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TD 9966 FEET
SWAB PERF AT 9859-9884, TEST PRESSURES: PACKER SET AT 9845 FEET PLUG-BACK TO 9880 FEET
SWAB PERF AT 9742-9790 RECOVERED 195 BBLS OIL OVER A 18 HOUR PERIOD
SWAB PERF AT 9816-9848, TEST PRESSURES: PACKER SET AT 9811 FEET
SWAB PERF AT 9742-9834 RECOVERED 28 BBLS OIL OVER A 10 HOUR PERIOD
SWAB PERF AT 9742-9884 RECOVERED 362 BBLS OIL OVER A 10 HOUR PERIOD
SWAB PERF AT 9742-9884 RECOVERED 93 BBLS OIL 14 BBLS/D WATER OVER A 12 HOUR PERIOD

<<FORMATION TESTS>>

DST FROM 9700 TO 9900 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR 30 MIN, FLOWED GAS WITH A TSTM TO SURFACE OF 65 MINS, RECOVERED 5878 FT HVY OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 800 FIRST FINAL 2600, SHUTIN PRESSURES: FINAL SHUT-IN 3175 ON A 15 MIN TEST
DST FROM 9934 TO 10010 WITH 570 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 4 HOUR, RECOVERED 570 FT WTR CUSH,RECOVERED 7630 FT SUL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 1225 FIRST FINAL 3600, SHUTIN PRESSURES: FINAL SHUT-IN 3700 ON A 15 MIN TEST

TREATED PERF INTERVAL AT 9858 TO 9910 BY CLAG USING 500 GALS ACID
TREATED PERF INTERVAL AT 9859 TO 9884 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 9742 TO 9790 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 9816 TO 9848 BY ACID USING 500 GALS ACID
TREATED PERF INTERVAL AT 9816 TO 9848 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 9742 TO 9884 BY ACID USING 2000 GALS ACID
TREATED PERF INTERVAL AT 9742 TO 9884 BY ACID USING 3000 GALS ACID
TREATED PERF INTERVAL AT 9742 TO 9884 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 9742 TO 9884 BY ACID USING 6000 GALS ACID
RAN THE FOLLOWING LOGS: ES,GRNL,GRL FROM 9400 TO 9965 BY WESTERN

07/24/80 AMOCO PRODUCTION COMPANY API NO: 30-025-00386-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 11 TWP: 21S RNG: 32E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 4 FIELD: ANDERSON RANCH WOLFC
LAT: 32.64060 LON: 103.73430
LOCATION NARRATIVE: 660FNL & 1980FEL & SEC

SPUD DATE: 08-10-1953 COMP DATE: 07-29-1953 ELEV: 4316 DF
DRILLERS TD: 9914 LOG TD:

<<CASING>>

13-24/64 @	559	W/	500 SX
09-40/64 @	4200	W/	3775 SX
07-00/64 @	9913	W/	250 SX
@		W/	SX
@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:WC,FINAL:OIL,WELL CLASS: PRODOIL,HC
SHOW:IP DATA,PRODUCTION TESTS,FORMATION TESTS,
TREATMENTS,RAN: ES GRNL PALSD GRL,PRODUCES
FROM WFMP,ATT DRILL

<<INITIAL POTENTIAL>>

PERS 9760- 9828 WITH/IP OIL: 175 BBLS/D GAS: SW:
HOUR TEST: 4 CH: 32/64 TP: 125 SITP: GOR: 313 FM: WFMP
PERS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PERS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 2650- 9841, 9841- 9914,

<<TOPS AND BASES>>

AMOCO-REDTOP	PI TOPS	TUBB 6833	INTERPOLATED TOP
SADR 4200	ANDR 1245	AEC 7586	RSLR -222- 1409
GLRT 5560	SALT 1417	WFMP 9810	SVRV -222- 2780
DRKD 6940	YTES 2560	SDRS 9889	QUEN -222- 3380
ABO 7465	SADR 4188	COMERCIAL PALEO	
WFMP 8910	GLRT 5563	WFMP -1ST- 9682	

<<INITIAL POTENTIAL>>

FROM PERF AT 9760-9828 IN THE WFMP BY FLOW RECOVERED 175 BBLS/D OIL OVER A 4 HOUR PERIOD USING 32/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 125 PSI CASING PRESSURE 325 PSI PLUG-BACK TO 9845 FEET, GOR OF 313 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 42.0

<<PRODUCTION TESTS>>

FROM PERF AT 9760-9828 BY FLOW RECOVERED 237 BBLS OIL OVER A 2 HOUR PERIOD USING 48/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 500 PSI

<<FORMATION TESTS>>

DST FROM 9658 TO 9841 WITH 1000 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 60 MIN, FLOWED CUSH WITH A TIME TO SURFACE OF 15 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 25 MINS, FLOWED GAS WITH A TIME TO SURFACE OF 25 MINS, FLOWED 60 BPH OIL WITH A TIME TO SURFACE OF 25 MINS, OPEN FLOWING PRESSURES: FIRST FINAL 3400, SHUTIN PRESSURES: FINAL SHUT-IN 3575 ON A 15 MIN TEST
FROM 9841 TO 9914 WITH 1000 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 60 MIN, RECOVERED 1000 FT WTR CUSH,RECOVERED 7905 FT OIL GAS CUT SUL WTR, OPEN FLOWING PRESSURES: FIRST FINAL 3800, SHUTIN PRESSURES: FINAL SHUT-IN 3960 ON A 15 MIN TEST

<<CORE INFORMATION>>

TOOK CORES: 9760 TO 9713 RECOVERED 48.0 FT LITHOLOGY-(LLM) POROUS ZONE-(TYPE: GOU) SHOWS-(GOOD STNCO SCAT STNCO), 9713 TO 9761 RECOVERED 48.0 FT LITHOLOGY-(LLM) POROUS ZONE-(TYPE: FU) SHOWS-(TRCE OIL), 9761 TO 9815 RECOVERED 35.0 FT LITHOLOGY-(LLM) SHOWS-(GOOD GOOD GOOD STNFL), 9815 TO 9841 RECOVERED 19.0 FT LITHOLOGY-(LLS) POROUS ZONE-(TYPE: GU) SHOWS-(GOOD STNCO FAIR FLU), 9841 TO 9883 RECOVERED 14.0 FT LITHOLOGY-(LLS) POROUS ZONE-(TYPE: Y) SHOWS-(SLI CO), 9883 TO 9914 RECOVERED 22.0 FT LITHOLOGY-(LLM) DETAILED DESCRIPTION FROM 9909 TO 9915 SHOWS-(BLED SULW)

TREATED PERF INTERVAL AT 9760 TO 9828 BY ACID USING 1000 GALS ACID
RAN THE FOLLOWING LOGS: ES,GRNL,PALSD BY PALSCL,GRL FROM 2500 TO 9861 BY SCHL
** DUMMY PGM CTL TO CORRECT TOPS ENDED FLAG *** DUMMY PGM CTL TO CORRECT CORED INT DESTROYED SEGME

07/20/80 AMOCO PRODUCTION COMPANY API NO: 30-025-30392-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 12 TWP: 01S RNG: 02E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 6 FIELD: ANDERSON RANCH WOLFC
LAT: 32.94060 LON: 103.72623
LOCATION NARRATIVE: 660FNL & 760FWL SEC

SPUD DATE: 01-04-1984 COMP DATE: 03-15-1984 ELEV: 4293 DF
DRILLERS TD: 10250 LOG TD:

<<CASING>>

13-24/64	@ 613	W/ 500	SX
09-40/64	@ 4130	W/ 2660	SX
	@	W/	SX
	@	W/	SX
	@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:D&A,WELL CLASS: TA,WC
SHOW,GAS: BS

<<INITIAL POTENTIAL>>

PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:

FORMATION TESTS: 9672- 9825, 9809- 9840, 9839- 9865, 9863- 9907, 9909- 995,

<<TOPS AND(BASES)>>

PI TOPS	HUCO ----- 9835
SADE ----- 4230	INTERPOLATED TOP
GLRT ----- 5685	DEKO -ZZZ- 6851
TUBB ----- 6866	CSCO -ZZZ- 10154
ABO ----- 7617	

<<FORMATION TESTS>>

DST FROM 9672 TO 9825 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 47 MINS, RECOVERED 150 FT GAS CUT MUD, SHUTIN PRESSURES: FINAL SHUT-IN 629 ON A 15 MIN TEST
DST FROM 9809 TO 9840 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 38 MINS, RECOVERED 135 FT SLI GAS CUT MUD, SHUTIN PRESSURES: FINAL SHUT-IN 1500 ON A 15 MIN TEST
DST FROM 9839 TO 9865 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 30 MIN, RECOVERED 40 FT GAS CUT MUD, SHUTIN PRESSURES: FINAL SHUT-IN 400 ON A 15 MIN TEST
DST FROM 9863 TO 9907 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 18 FT MUD
DST FROM 9909 TO 9952 INITIAL OPEN 1 HOUR, RECOVERED 18 FT MUD
DST FROM 9965 TO 10020 RESULTS OF DST: ERRR
DST FROM 9916 TO 10020 RESULTS OF DST: ERRR
DST FROM 9869 TO 10020 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 60 FT MUD
DST FROM 10004 TO 10149 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 45 MIN, RECOVERED 30 FT MUD
DST FROM 10149 TO 10250 INITIAL OPEN 1 HOUR, RECOVERED 20 FT MUD, SHUTIN PRESSURES: FINAL SHUT-IN 275 ON A 15 MIN TEST

RAN THE FOLLOWING LOGS: ES

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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 22 TWP: 21S RNG: 34E
COMPANY: EISNER, JOHN J.
LEASE: STATE WELL NO: 1 FIELD: ANDERSON RANCH N VOL
LAT: 32.98150 LON: 103.71300
LOCATION NARRATIVE: 660FS L 330FW L SEC

SPUD DATE: 10-07-1952 COMP DATE: 11-14-1952 ELEV: 4204 DF
DRILLERS TD: 10112 LOG TD:

<<CASING>>

13-24/64	@ 452	W/ 600	SX
08-40/64	@ 4135	W/ 600	SX
04-32/64	@ 10112	W/ 500	SX
	@	W/	SX
	@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: DEVELOPMENT,
PC SHOW,LP DATA,RAN: IES ML GRSL CALP PALEO
GRL,PRODUCES FROM WFMP,AIR DRILL

<<INITIAL POTENTIAL>>

PFS 10084-10104 WITH/IP OIL: 360BBLS/D GAS: SW:
HOUR TEST: 12 CH: 20/64 TP: 525 SITP: GOR: 1500 FM:WFMP
PFS " WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS " WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9960-10060, 9960-10060, 10060-10112,

<<TOPS AND(BASES)>>

PI TOPS	CLFK ----- 6323	COMMERCIAL PALEO	
YTES ----- 2537	TUBB ----- 6933	HUCO-1ST- 9960	
QUEN ----- 3373	ELEN ----- 7060	INTERPOLATED TOP	
SADR ----- 4176	ABO ----- 7597	DEKD -ZZZ- 6970	
GLRT ----- 5740	WFMP ----- 9030	CSCC -ZZZ- 10084	

<<INITIAL POTENTIAL>>

FROM PERF AT 10084-10104 IN THE WFMP JV FLOW RECOVERED 360 BBLS/D OIL OVER A 12 HOUR PERIOD USING 20/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 525 PSI CASING PRESSURE PKR PSI PLUG-BACK TD 10107 FEET, GOR OF 1500 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 42.0

<<FORMATION TESTS>>

DST FROM 9960 TO 10060 RESULTS OF DST: PKR
DST FROM 9960 TO 10060 INITIAL OPEN 1 HOUR, RECOVERED 60 FT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 117 FIRST FINAL 137, SHUTIN PRESSURES: INITIAL SHUT-IN 196 ON A 30 MIN TEST FINAL SHUT-IN 137 ON A 30 MIN TEST
DST FROM 10060 TO 10112 INITIAL OPEN 30 MIN, BLOWED GAS WITH A TIME TO SURFACE OF 3 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 12 MINS, FLOWED OIL WITH A TIME TO SURFACE OF 14 MINS GRAVITY OF RECOVERED FLUID=42.0, RECOVERED 150 FT OIL GAS CUT MUD,RECOVERED 3910 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 1924 FIRST FINAL 2530, SHUTIN PRESSURES: INITIAL SHUT-IN 2909 ON A 30 MIN TEST FINAL SHUT-IN 2890 ON A 30 MIN TEST

RAN THE FOLLOWING LOGS: IES,ML,GRSL,CALP,PALEO BY PALEOL,GRL FROM 0 TO 10104 BY SCHL, *** DUMMY PGM CTL TO CORRECT TPES ENERGD FLAG

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-03345-00
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EXPLORATION SYSTEMS SCOUT TICKET(I-3)

STATE: NM COUNTY: LEA SEC: 23 TWP: 21S RNG: 32E
COMPANY: AZTEC OIL AND GAS CO
LEASE: STATE A/C WELL NO: 1 FIELD: ANDERSON RANCH N. MOR
LAT: 32.98430 LON: 103.72390
LOCATION NARRATIVE: 1650FS L 2310FW L SEC

SPUD DATE: 02-22-1952 COMP DATE: 04-05-1952 ELEV: 4309 DF
DRILLERS TD: 10000 LOG TD:

<<CASING>>

13-24/64	@ 292	W/	300	SX
08-40/64	@ 4060	W/	800	SX
04-32/64	@ 10000	W/	400	SX
	@	W/		SX
	@	W/		SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODIOIL,
RE-ENTERED 1971,FC SHOW,ID DATA,PRODUCTION
TESTS,FORMATION TESTS,TREATMENTS,RAN: ILS,
MINL,ACSL,GRL,PRODUCES FROM BUGHC,ABD OIL

<<INITIAL POTENTIAL>>

PFS 9916- 9958 WITH/ID OIL: 624 BLS/D GAS: SW:
HOUR TEST: 6 CH: 24/64 TP: 540 SITP: GOR: 954 FM:BUGHC
PFS - WITH/ID OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/ID OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9860-10000,

<<TOPS AND(BASES)>>

PI TOPS		GLRT	5715	BUGHB	9848
ANDR	1839	CLRK	6295	BUGHC	9885
YTES	2503	TUBB	6910	BGRK	9918
GUEN	3330	ABO	7583		
SADR	3552	FLCC	9006		

<<INITIAL POTENTIAL>>

FROM PERF AT 9916-9968 IN THE BUGHC BY FLOW RECOVERED 624 BBLS/D OIL OVER 6
HOUR PERIOD USING 24/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 540 PST
CASING PRESSURE PKR PSI PLUG-BACK TD 9954 FEET, GOR OF 954 RESULTS OF OIL
ANALYSIS: OIL GRAVITY OF 40.1

<<PRODUCTION TESTS>>

SWAB PERF AT 9790-9796 IN THE ABOVE RECOVERED 5 PCT OIL 95 PCT WATER OVER A 1
HOUR PERIOD
SWAB PERF AT 9763-9765 IN THE WOLF RECOVERED 100 PCT WATER, TEST PRESSURES:
PLUG-BACK TD 9850 FEET

<<FORMATION TESTS>>

DST FROM 9860 TO 10000 WITH A 0-24/64 INCH TOP CHOKE, INITIAL OPEN 3 HOURS,
FLOWED GAS WITH A TIME TO SURFACE OF 13 MINS, FLOWED OIL WITH A TIME TO
SURFACE OF 50 MINS, FLOWED 35 BPH OIL WITH A TIME TO SURFACE OF 65 MINS,
RECOVERED 9860 39H OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 2700 FIRST
FINAL 2580, SHUTIN PRESSURES: INITIAL SHUT-IN 3170 ON A 45 MIN TEST FINAL
SHUT-IN 3030 ON A 30 MIN TEST

TREATED PERF INTERVAL AT 9790 TO 9796 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 9763 TO 9769 BY ACID USING 500 GALS ACID
RAN THE FOLLOWING LOGS: ILS,MINL,ACSL,GRL FROM 90 TO 9978 BY SCHL, *** JOHNY 954
OIL TO CORRECT TOPS FMFOD FLAG

RE-ENTERED: LEASE CARRIED AS THE AZTEC OIL AND GAS CO NUMBER 1 STATE A
RECOMPLETED 03-19-1971, INITIAL DEV, FINAL OIL.
ABANDONED IN (BUGHC), 06-14-1971.

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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 28 TWP: 015 S RNG: 032 E
COMPANY: UNION OIL CO. OF CALIF.
LEASE: STATE B 28 WELL NO: 1 FIELD: ANDERSON RANCH WOLFC
LAT: 32.98060 LON: 103.72180
LOCATION NARRATIVE: 330FS L 2310FE L SEC

SPUD DATE: 07-08-1961 COMP DATE: 09-01-1961 ELEV: 4211 DF
DRILLERS TD: 10025 LOG TD:

<<CASING>>

13-24/64 @	621 W/	500	SX
08-40/64 @	4099 W/	600	SX
05-32/64 @	10025 W/	550	SX
@	W/		SX
@	W/		SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODIOIL,
HC SHOW,IP DATA,TREATMENTS,RAN: IL ES ML GRL
GRSL SPLL,DRILLERS FROM HUGHC,AIP DRILL

<<INITIAL POTENTIAL>>

PFS 9922- 9942 WITH/IP OIL: 151 BBLS/D GAS: SW:
HOUR TEST: 24 CH: 12/64 TP: 900 SITP: GOR: 1790 FM: HUGHC
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9884- 9954,

<<TOPS AND(BASES)>>

PI TOPS	SADR 3585	PUGH 9918	
ANDE 1340	TUBB 6890	PI BASES	
SALT 1487	ABO 7648	SALT 2390	
YTES 2500	FLCO 8057		
QUEN 3740	TBSG 9577		

<<INITIAL POTENTIAL>>

PERF AT 9922-9942 IN THE HUGHC BY FLOW RECOVERED 151 BBLS/D OIL OVER A 24 HOUR PERIOD USING 12/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 900 PSI CASING PRESSURE 0KG PSI PLUG-BACK TO 10013 FEET, GOR OF 1790 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 41.0

<<FORMATION TESTS>>

DST FROM 9884 TO 9954 WITH 500 PSIG CUSH, INITIAL OPEN 2 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 12 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 18 MINS, FLOWED 19 BPH OIL WITH A TIME TO SURFACE OF 25 MINS, RECOVERED 380 FT HVY OIL GAS CUT MUD,RECOVERED 54 BBLS (),RECOVERED 90 FT WTR CUT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 2400 FIRST FINAL 2130, SHUTIN PRESSURES: INITIAL SHUT-IN 3240 ON A 30 MIN TEST FINAL SHUT-IN 3240 ON A 45 MIN TESTSPOT-IN SURFACE PRESSURE 900PSI USING A 0-16/64 INCH TOP CHOKE

<<CORE INFORMATION>>

TOOK CORES: 9869 TO 9924 RECOVERED 44.4 FT DETAILED DESCRIPTION OF 3.17 LITHOLOGY-(LS) POROSITY-(S) SHOWS-(STN-U) DETAILED DESCRIPTION OF 42.50 LITHOLOGY-(STKS SH SH) SHOWS-(NS) DETAILED DESCRIPTION OF.50 LITHOLOGY-(LS) SHOWS-(FLU-U), 9925 TO 9954 RECOVERED 24.5 FT LITHOLOGY-(LLS) POROUS ZONE-(TYPE: GU) SHOWS-(GOOD UNIO), 9954 TO 9989 RECOVERED 30.5 FT LITHOLOGY-(LLS) POROUS ZONE-(TYPE: Z) DETAILED DESCRIPTION OF 7.50 POROSITY-(S) SHOWS-(OIL) DETAILED DESCRIPTION OF.50 SHOWS-(BLE) C&W)

TREATED PERF INTERVAL AT 9922 TO 9942 BY ACID USING 250 GALS ACID
RAN THE FOLLOWING LOGS: IL,ES,ML,GRL,GRSL,SPLL BY PERMIS,GRL FROM 0 TO 10000 BY SCHL, *** DUMMY PGM CTL TO CORRECT TOPS EXPRCD FLAG

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-00306-00
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EXPLORATION SYSTEMS SPOT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 28 TWP: 015 S RNG: 032 E
COMPANY: UNION OIL CO. OF CALIF.
LEASE: STATE C 28 WELL NO: 1 FIELD: ANDERSON RANCH N WOL
LAT: 32.98060 LON: 103.72320
LOCATION NARRATIVE: 330FS L 990FW L SEC

SPUD DATE: 11-24-1961 COMP DATE: 01-04-1962 ELEV: 4325 DF
DRILLERS TD: 10073 LOG TD:

<<CASING>>

11-48/64	@ 610	W/ 500	SX
08-40/64	@ 4119	W/ 600	SX
04-32/64	@ 10032	W/ 500	SX
	@	W/	SX
	@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODOIL,
FC SHOW,IP DATA,TREATMENTS,RAN: IL ES ML GRNL
GRSL CALP SPLL GRL

<<INITIAL POTENTIAL>>

FFS	9950-9972	WITP/IP OIL:	175BBLS/D	GAS:		SW:
	HOUR TEST: 24 CH: 13/64	TP: 520	SITP:	GOR:	1785	FW:
FFS	-	WITP/IP OIL:		GAS:		SW:
	HOUR TEST: CH: /64	TP:	SITP:	GOR:		FW:
FFS	-	WITP/IP OIL:		GAS:		SW:
	HOUR TEST: CH: /64	TP:	SITP:	GOR:		FW:

FORMATION TESTS: 9922-9972,

<<TOPS AND CASES>>

PI TOPS	TUBB ----- 6935		
ANDR ----- 1245	ABO ----- 7665		
YTES ----- 2520	PLCC ----- 8960		
SADR ----- 4040	BLGHC----- 9908		
GLRT ----- 5705			

<<INITIAL POTENTIAL>>

FROM PERF AT 9950-9972 DY FLOW RECOVERED 175 BBLS/D OIL OVER A 24 HOUR PERIOD USING 13/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 520 PSI CASING PRESSURE PKR PSI PLUG-BACK TD 9954 FLOW, GOR OF 1785 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 41.5

<<FORMATION TESTS>>

DST FROM 9922 TO 9970 INITIAL OPEN 2 HOUR 45 MIN, FLOWED GAS WITH A TIME TO SURFACE OF 25 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 30 MINS, FLOWED OIL WITH A TIME TO SURFACE OF 32 MINS GRAVITY OF RECOVERED FLUID-41.5, FLOWED 20 BPH OIL, RECOVERED 120 FT OIL GAS CUT MUD,RECOVERED 5802 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 1062 FIRST FINAL 1435, SHUTIN PRESSURES: INITIAL SHUT-IN 3139 ON A 30 MIN TEST FINAL SHUT-IN 2539 ON A 30 MIN TESTUSING A 0-24/64 INCH TOP CHOKE

TREATED PERF INTERVAL AT 9950 TO 9972 BY ACID USING 1000 GALS ACID
RAN THE FOLLOWING LOGS: IL,ES,ML,GRNL,GR-SL,CALP,SPLL BY PERFOS,GRL FROM 9900 TO 10010 BY SCHL
ABANDONED IN (WEMP), 02-01-1966.

07/29/90 AMOCO PRODUCTION COMPANY API NO: 30-025-31196-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 28 TWP: 015S RNG: 032E
COMPANY: UNION OIL CO. OF CALIF.
LEASE: STATE A WELL NO: 2 FIELD: ANDERSON RANCH WOLFC
LAT: 32.98482) LON: 103.7162)
LOCATION NARRATIVE: 1650FS L 660FE L SEC

SPUD DATE: 02-10-1953 COMP DATE: 04-04-1953 ELEV: 4307 MS
DRILLERS TD: 10068 LOG TD:

<<CASING>>

11-48/64 @	618	W/ 600	SX
08-40/64 @	4000	W/ 400	SX
04-32/64 @	10065	W/ 400	SX
@		W/	SX
@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:DEV,FINAL:OIL,WELL CLASS: PEV1OIL,PC
SHOW,IP DATA,RAN: IL ES ML GRL GRSL,PRODUCES
PEDV PSLV,AIR DRILL

<<INITIAL POTENTIAL>>

PFS 9902- 9922 WTR/IP OIL: 695BBLS/D GAS: SW:
HOUR TEST: 24 CH:20/64 TP: 750 SITP: GOR: 1650 FM:PSLV
PFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS:

<<TOPS AND(CASES)>>

DI TOPS	INTERPOLATED TOP
ANC -------- 7670	TUBB -ZZZ- 6921
DUGFA------ 6825	PSLV -ZZZ- 6921
DUGHB------ 9900	CSCD -ZZZ-10067
DUGHC------10003	

<<INITIAL POTENTIAL>>

FROM PERF AT 9902-9922 IN THE PSLV BY FLOW RECOVERED 695 BBLS/D OIL OVER A 24 HOUR PERIOD USING 20/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 750 PSI PLUG-BACK TO 10031 FEET, GOR OF 1650 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 41.9

RAN THE FOLLOWING LOGS: IL,ES,ML,GRL,GRSL, *** DUMMY PGV CTL TO CORRECT TOPS FMPROD FLAG

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-03350-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 32 TWP: 015 S RNG: 032 E
COMPANY: HUMBLE OIL & REFINING
LEASE: STATE BH WELL NO: 1 FIELD: ANDERSON RANCH
LAT: 32.96770 LON: 103.7524
LOCATION NARRATIVE: 660FS L 330FE L SEC

SPUD DATE: 02-19-1961 COMP DATE: 05-20-1961 ELEV: 4321 DF ELEV: 4305 GR
DRILLERS TD: 10011 LOG TD:

<<CASING>>

13-24/64	@	631	W/	700 SX
08-40/64	@	4150	W/	350 SX
05-32/64	@	10011	W/	275 SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:DEV,FINAL:D&A,WELL CLASS: D&A,FIE-
ENTERED 1961,HC SHOW,PRODUCTION TESTS,
FORMATION TESTS,TREATMENTS,RAN: IL FS GRSL GRL

<<INITIAL POTENTIAL>>

PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS:

<<TOPS AND(BASES)>>

PI TOPS	INTERPOLATED TOP
ANDR ----- 1510	WFMP -222- 6182
SADR ----- 4082	
ABO ----- 7616	
HUCO ----- 8930	

<<PRODUCTION TESTS>>

SWAB PERF AT 9880-9936 RECOVERED 6 BBLS OIL 40 BBLS/D WATER OVER A 5 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TD 9991 FEET
SWAB PERF AT 9546-9978
SWAB PERF AT 9880-9936 RECOVERED 12 BBLS OIL 104 BBLS/D WATER OVER A 11 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TD 9565 FEET
SWAB PERF AT 9830-9838 RECOVERED 12 BBLS OIL 66 BBLS/D WATER OVER A 13 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TD 9892 FEET, WATER ANALYSIS RESULTS: 73300 PPM CL
SWAB PERF AT 9880-9889, TEST PRESSURES: PLUG-BACK TD 9892 FEET
SWAB PERF AT 9814-9818 RECOVERED 3 BBLS OIL 72 BBLS/D WATER OVER A 11 HOUR PERIOD, WATER ANALYSIS RESULTS: 31000 PPM CL

<<CORE INFORMATION>>

ROCK CORES: 4830 TO 4911 RECOVERED 81.5 FT LITHOLOGY-(DOOL) POROUS ZONE-(TYPE: P) SHOWS-(NS)

TREATED PERF INTERVAL AT 9880 TO 9936 BY ACID USING 6000 GALS ACID
TREATED PERF INTERVAL AT 9830 TO 9836 BY ACID USING 3000 GALS ACID
TREATED PERF INTERVAL AT 9830 TO 9838 BY ACID USING 3000 GALS ACID
TREATED PERF INTERVAL AT 9880 TO 9886 BY ACID USING 5000 GALS ACID
TREATED PERF INTERVAL AT 9814 TO 9818 BY ACID USING 3000 GALS ACID
TREATED INTERVAL AT 4170 TO 5330 BY ACID USING 4000 GALS ACID
RAN THE FOLLOWING LOGS: IL,FS,GRSL,GRL FROM 0 TO 9990 BY LANE
RE-ENTERED: ON 00-00-1900 LEASE CARRIED AS THE UNION OIL CO. OF CALIF. NO.BBH 1 STATE BH
RECOMPLETED 07-18-1961, INITIAL GA, FINAL INJ.

AMOCO PRODUCTION COMPANY API NO: 30-025-03546-00

07/29/80
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

SEC: 32 TWP: 21S RNG: 32E

STATE: NM COUNTY: LEA
COMPANY: UNION OIL CO. OF CALIF. WELL NO: 4 FIELD: ANDERSON RANCH N WOL
LEASE: STATE 32 LAT: 32.97149 LON: 103.73247

LOCATION NARRATIVE: 2310FS L 330FE L SEC

SPUD DATE: 03-24-1938 COMP DATE: 06-09-1962 ELEV: 4329 DF
DRILLERS TD: 10041 LOG TD:

<<CASING>>

11-48/64 @	622	W/	675 SX
08-40/64 @	4116	W/	400 SX
04-32/64 @	10039	W/	600 SX
@		W/	SX
@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODUCIL,
EC SHOW,ID DATA,PRODUCTION TESTS,FORMATION
TESTS,TREATMENTS,RAN: LL ML IES GRNL GR CL
CALC GEL,PRODUCES FROM FUSHC,ATP DRILL

<<INITIAL POTENTIAL>>

PERFS 9942- 9944
HOUR TEST: 24 CH: 15/64 TP: WTR/ID OIL: 190BBLS/D GAS: Sk:
SITP: GOR: 1064 FM:FUSHC
PERFS - SW:
HOUR TEST: CH: /64 TP: WTR/ID OIL: GAS: FM:
SITP: GOR:
PERFS - SW:
HOUR TEST: CH: /64 TP: WTR/ID OIL: GAS: FM:
SITP: GOR:

FORMATION TESTS: 9228- 9953,

<<TOPS AND(BASES)>>

PI TOPS			
ANDR	1312	FUSH	8805
YTES	2497	ABO	7635
QUEN	3340	FUCC	9060
SADE	4080	FUSHC	9490

<<INITIAL POTENTIAL>>

FROM PERF AT 9942-9944 IN THE FUSHC BY FLOW RECOVERED 190 BBLS/D OIL OVER A 24 HOUR PERIOD USING 15/64 INCH CHOKE, TEST PRESSURES: CASING PRESSURE 680 PSI PLUG-BACK TO 10039 FEET, 90% OF LOAD RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 41.0

<<PRODUCTION TESTS>>

SWAB PERF AT 9942-9944 RECOVERED 5 BBLS OIL OVER A 2 HOUR PERIOD
SWAB PERF AT 9942-9946 RECOVERED 55 BBLS OIL OVER A 7 HOUR PERIOD USING
FROM PERF AT 9942-9946 BY FLOW RECOVERED 190 BBLS OIL OVER A 24 HOUR PERIOD USING
15/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 200 PSI, GOR OF 1064
RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 41.0

<<FORMATION TESTS>>

DST FROM 9928 TO 9953 INITIAL OPEN 2 HOUR, FLOED 58 MCFD GAS WITH A TSTM TO SURFACE OF IN 4 MINS, FLOWED OIL GRAVITY OF RECOVERED FLUID-40.5, RECOVERED 4 BBLS MUD,RECOVERED 180 FT VERY HVY OIL CUT MUD,RECOVERED 13 BBLS OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 376 FIRST FINAL 964, SHUTIN PRESSURES: INITIAL SHUT-IN 3302 ON A 1 HOUR TEST FINAL SHUT-IN 1764 ON A 001 HOUR 30 MIN TEST

<<CORE INFORMATION>>

TOOK CORES: 9921 TO 9960 RECOVERED 35.5 FT DETAILED DESCRIPTION OF 7.50 LITHOLOGY-(LS LS) DETAILED LITHOLOGY-(LS SH) DETAILED DESCRIPTION OF 7.50 LITHOLOGY-(LS) SHOWS-(SLI OIL) DETAILED DESCRIPTION OF 8.50 LITHOLOGY-(LS) SHOWS-(NS), 9960 TO 9993 RECOVERED 35.0 FT DETAILED 12.50 LITHOLOGY-(LS) SHOWS-(NS), 9910 TO 9923 RECOVERED 13.0 FT DETAILED DESCRIPTION OF 15.70 LITHOLOGY-(STKS SH SH) SHOWS-(NS) DETAILED DESCRIPTION OF 8.20 LITHOLOGY-(LS LS) SHOWS-(OIL) DETAILED DESCRIPTION OF 11.30 LITHOLOGY-(LS) SHOWS-(NS), 9993 TO 9971 RECOVERED 18.5 FT DETAILED DESCRIPTION OF 2.00 LITHOLOGY-(LS LS) SHOWS-(NS), 9953 TO 9971 RECOVERED 18.5 FT DETAILED DESCRIPTION OF 16.50 LITHOLOGY-(STKS SH SH) DETAILED DESCRIPTION OF 2.00 LITHOLOGY-(LS)

TREATED PERF INTERVAL AT 9942 TO 9946 BY ACID USING 500 GALS ACID
TREATED PERF INTERVAL AT 9942 TO 9946 BY ACID USING 2000 GALS ACID
RAN THE FOLLOWING LOGS: LL,ML,IES,GRNL,GRSL,CALF,GRL FROM 1 TO 10010 BY SCHL
*** DUMMY DRY CTL TO CORRECT TOPS FUSHC FLAG

ABANDONED IN (SUSHC), 06-25-1969.

07/22/80 AMOCO PRODUCTION COMPANY API NO: 30-025-20905-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 32 TWP: 015_S RNG: 032_E
COMPANY: TENNECO OIL CO.
LEASE: GULF-STATE B API NO: 1 FIELD:
LAT: 32.96660 LON: 103.74030
LOCATION NARRATIVE: 660FS L 660FW L SEC

SPUD DATE: 05-20-1964 COMP DATE: 07-07-1964 ELEV: 4336 MS
DRILLERS TD: 10305 LOG TD:

<<CASING>>

17-24/64	@	491	W/ 480	SX
08-40/64	@	4201	W/ 2700	SX
	@		W/	SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:NEW,FINAL:D&A,WELL CLASS: D&A,BLOWOUT, FC SHOW,RAN: IL LL ML ES PROXL GRL GRNL GRSL CALP SPLL

<<INITIAL POTENTIAL>>

PFS - WITH/IP OIL: CAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9733-9946, 9860-9921,

<<TOPS AND CASES>>

PI TOPS	ELCO ----- 8970	DRKD -ZZZ- 6672
SADR ----- 4062	WFMP ----- 9690	CSCO -ZZZ- 10147
GLRT ----- 5707	INTERPOLATED TOP	
TUBB ----- 6883	BSLR -ZZZ- 1774	
ABO ----- 7621	OLEN -ZZZ- 3031	

<<FORMATION TESTS>>

DST FROM 9733 TO 9946 INITIAL OPEN 2 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 165 MINS, RECOVERED 90 FT MUD,RECOVERED 291 FT HVY OIL GAS CUT MUD,RECOVERED 118 FT OIL MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 152 FIRST FINAL 219, SHUTIN PRESSURES: INITIAL SHUT-IN 1216 ON A 1 HOUR 30 MIN TEST FINAL SHUT-IN 1228 ON A 003 HOUR TEST

DST FROM 9860 TO 9921 INITIAL OPEN 1 HOUR 30 MIN, RECOVERED 103 FT SLI OIL GAS CUT MUD,RECOVERED 6733 FT,RECOVERED 15 FT MUD OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 57 FIRST FINAL 72, SHUTIN PRESSURES: INITIAL SHUT-IN 3220 ON A 1 HOUR TEST FINAL SHUT-IN 3535 ON A 003 HOUR TEST

<<CORE INFORMATION>>

TOOK CORES: 9769 TO 9811 RECOVERED 40.0 FT LITHOLOGY-(LLM SH) SHOWS-(SCAT UNID), 9811 TO 9846 RECOVERED 34.0 FT DETAILED DESCRIPTION OF 10.00 LITHOLOGY-(LM) SHOWS-(GOOD UNID) DETAILED DESCRIPTION OF 24.00 LITHOLOGY-(SH SH) SHOWS-(NS), 9846 TO 9871 RECOVERED 21.0 FT LITHOLOGY-(LLM) POROUS ZONE-(TYPE: D) SHOWS-(SLI UNID), 9871 TO 9920 RECOVERED 21.0 FT LITHOLOGY-(LLM) POROUS ZONE-(TYPE: D) SHOWS-(NS), 9921 TO 9971 RECOVERED 50.0 FT LITHOLOGY-(LLM) POROUS ZONE-(TYPE: D) SHOWS-(NS)

BLOWOUT (SWTR) WHILE AT 9320 200BPH
RAN THE FOLLOWING LOGS: IL,LL,ML,ES,PROXL,GRL,GRNL,GRSL,CALP,SPLL BY PDI NDS,SPLL BY GEOLSV,GRL FROM 10 TO 4250 BY SCH

07/29/90 AMOCO PRODUCTION COMPANY API NO: 30-025-22285-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 32 TWP: 015 S RNG: 032 E
COMPANY: KING RESOURCES CO
LEASE: SHELL-STATE WELL NO: 1 FIELD: ANDERSON RANCH
LAT: 32.967500 LON: 103.733330
LOCATION NARRATIVE: 495FS L 1650FE L SEC

SPUD DATE: 10-20-1967 COMP DATE: 11-21-1967 ELEV: 4295 DF ELEV: 4285 GR
DRILLERS TD: 9800 LOG TD:

<<CASING>>

13-24/64	@ 400	W/ 370	SX
08-40/64	@ 3500	W/	SX
	@	W/	SX
	@	W/	SX
	@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:DEV,FINAL:D&A,WELL CLASS: D&A,HC SHOW,
PAN: GRL

<<INITIAL POTENTIAL>>

PFS - WTR/IP OIL: GAS: SN:
HOUR TEST: CH: /64 TP: SITP: GCR: FN:
PFS - WTR/IP OIL: GAS: SN:
HOUR TEST: CH: /64 TP: SITP: GCR: FN:
PFS - WTR/IP OIL: GAS: SN:
HOUR TEST: CH: /64 TP: SITP: GCR: FN:
FORMATION TESTS: 9775- 9860,

<<TOPS AND(BASES)>>

AMOCO-STRAWN	GRBG 3722	WFMP 8015	YTES 2405
ANDR 1265	SADR 4082	BRSW 9630	SADR 4081
YTES 2460	GLRT 5645	BUGH 9764	GLRT 5645
SVRV 2742	TUBB 6328	PI TOPS	ABO 7490
QUEN 3205	ABO 7570	ANDR 1265	WFMP 8890

<<FORMATION TESTS>>

DST FROM 9775 TO 9860 INITIAL OPEN 2 HOUR 30 MIN, FLOWED GAS WITH A TIME TO SURFACE OF 5 MINS, RECOVERED 20 BBLS GAS CUT MUD,RECOVERED 120 FT HVY OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 46 FIRST FINAL 46, SHUTIN PRESSURES: INITIAL SHUT-IN 1658 ON A 1 HOUR TEST FINAL SHUT-IN 1658 ON A 002 HOUR TEST

RAN THE FOLLOWING LOGS: GRL FROM 0 TO 9829 BY SCHL

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-23356-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 32 TWP: 01S 3 RNG: 032 E
COMPANY: UNION OIL CO. OF CALIF.
LEASE: STATE J 32 WELL NO: 2 FIELD: ANDERSON RANCH WOLFC
LAT: 32.97700 LON: 103.71733
LOCATION NARRATIVE: 990FN L 990FE L SEC

SPUD DATE: 10-05-1961 COMP DATE: 11-02-1961 ELEV: 4303 DF
DRILLERS TD: 10032 LOG TD:

<<CASING>>

11-48/64 @ 610 W/ 550 SX
08-40/64 @ 4110 W/ 600 SX
04-32/64 @ 10032 W/ 500 SX
@ W/ SX
@ W/ SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODUCIL, FC SHOW,IP DATA,PRODUCTION TESTS,FORMATION TESTS,TREATMENTS,RAN: GRL,PRODUCES FROM PUGHC, ATR OF ILL

<<INITIAL POTENTIAL>>

PFS 10008-10022 WTR/IP OIL: 274BBLS/D GAS: SW:
HOUR TEST: 24 CH:12/64 TP: 890 SITP: GOR: 1850 FM:PUGHC
PFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9990-10032,

<<TOPS AND(BASES)>>

PI TOPS		PI BASES
ANDR ----- 1343	GLRT ----- 5735	SALT ----- 2420
SALT ----- 1470	TUBB ----- 6910	
YTES ----- 2517	ABO ----- 7353	
SADR ----- 4118	PUGHC----- 9990	

<<INITIAL POTENTIAL>>

FROM PERF AT 10008-10022 IN THE PUGHC PY PUMP RECOVERED 274 BBLS/D OIL OVER A 24 HOUR PERIOD USING 12/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 890 PSI CASING PRESSURE PKR PSI PLUG-BACK TD 10020 FEET, GOR OF 1850 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 41.3

<<PRODUCTION TESTS>>

FROM PERF AT 10008-10022 BY PUMP RECOVERED 31 BBLS OIL OVER A 6 HOUR PERIOD USING 20/64 INCH CHOKE

<<FORMATION TESTS>>

DST FROM 9990 TO 10032 INITIAL OPEN 3 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 6 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 12 MINS, FLOWED 15 BPH OIL WITH A TIME TO SURFACE OF 17 MINS GRAVITY OF RECOVERED FLUID=41.0 GRP OF 1087, RECOVERED 45 BBLS OIL,RECOVERED 760 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 1650 FIRST FINAL 2142, SHUTIN PRESSURES: INITIAL SHUT-IN ON A 30 MIN. TEST FINAL SHUT-IN 3155 ON A 30 MIN TESTSHUT-IN SURFACE PRESSURE 5205PSI USING A C-16/64 INCH JLP CHOKE

<<CORE INFORMATION>>

TOOK CORES: 9978 TO 9911 RECOVERED 29.1 FT DETAILED DESCRIPTION OF 5.50 LITHOLOGY-(LS) SHOWS-((IL) DETAILED DESCRIPTION OF 5.50 LITHOLOGY-(STRKS SH SH) DETAILED DESCRIPTION OF 2.00 LITHOLOGY-(LS) POROSITY-(S) DETAILED DESCRIPTION OF 21.50 LITHOLOGY-(SHLY LS LS) SHOWS-(NS), 9913 TO 9966 RECOVERED 16.1 FT DETAILED DESCRIPTION OF 3.00 LITHOLOGY-(LS) POROSITY-(F) SHOWS-(SCAT FLU-U BLED WTR) DETAILED DESCRIPTION OF 2.50 LITHOLOGY-(LS) DETAILED DESCRIPTION OF 2.50 LITHOLOGY-(SH) DETAILED DESCRIPTION OF 3.00 LITHOLOGY-(LS) DETAILED DESCRIPTION OF 2.50 LITHOLOGY-(LS) SHOWS-(NS) DETAILED DESCRIPTION OF 3.50 LITHOLOGY-(LS) DETAILED DESCRIPTION OF 3.50 LITHOLOGY-(SHLY LS LS), 9964 TO 9985 RECOVERED 30.0 FT DETAILED DESCRIPTION OF 1.50 LITHOLOGY-(LS LS) DETAILED DESCRIPTION OF 2.50 LITHOLOGY-(LS) DETAILED DESCRIPTION OF 26.00 LITHOLOGY-(LS LS) SHOWS-(NS)
TOOK CORES: 9985 TO 10026 RECOVERED 15.0 FT DETAILED DESCRIPTION OF 1.00 LITHOLOGY-(LS LS) DETAILED DESCRIPTION OF 12.00 LITHOLOGY-(LS) DETAILED DESCRIPTION OF 2.00 LITHOLOGY-(LS) SHOWS-(SLI OIL)

TREATED PERF INTERVAL AT 10008 TO 10022 BY ACID USING 500 GALS ACID
RAN THE FOLLOWING LOGS: GRL FROM 30 TO 10008 BY SCHL, *** DUMMY PSH CIL TO CORRECT TOPS FMPROD FLAG

ABANDONED IN (PUGHC), 08-28-1969.

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-00868-00
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EXPLORATION SYSTEMS SPOT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 32 TWP: 21S RNG: 32E
COMPANY: UNION OIL CO. OF CALIF.
LEASE: STATE 32 WELL NO: 2 FIELD: ANDERSON RANCH WOLFC
LAT: 32.97790 LON: 103.72490
LOCATION NARRATIVE: 660FN L 1980FW L SEC

SPUD DATE: 11-09-1960 COMP DATE: 12-28-1960 ELEV: 4317 DF ELEV: 4308.38
DRILLERS TD: 10055 LOG TD:

<<CASING>>

11-48/64	@	608	W/	600 SX
08-40/64	@	4150	W/	600 SX
05-32/64	@	10054	W/	500 SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODUCIL,
HC SHOW,IP DATA,PRODUCTION TESTS,FORMATION
TESTS,TREATMENTS,RAN: ML ES IL GRSL GRL,
PRODUCES FROM WFMP,AIR DRILL

<<INITIAL POTENTIAL>>

FFS 9890- 9958 WITH/IP OIL: 257BBLS/D GAS: SW:
HOUR TEST: 24 CH:12/64 TP: 790 SITP: GOR: 1546 FM:WFMP
FFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9870- 9985

<<TOPS AND(BASES)>>

PI TOPS	TUBB ----- 5923	OLDS ----- 3342
ANDR ----- 1327	ABO ----- 7646	WFMP ----- 9127
YTES ----- 2501	HLCO ----- 8382	PENN ----- 9635
SADR ----- 4097	TREG ----- 9856	
GLRT ----- 5702	UNDESIGNATED TOP	

<<INITIAL POTENTIAL>>

FROM PERF AT 9890-9958 IN THE WFMP BY FLOW RECOVERED 297 BBLS/D OIL OVER A 24 HOUR PERIOD USING 12/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 790 PSI CASING PRESSURE PKR PSI PLUG-BACK TD 9885 FEET, GOR OF 1546 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 42.5

<<PRODUCTION TESTS>>

SWAB PERF AT 10003-10009 RECOVERED 100 PCT WATER OVER A 5 HOUR PERIOD

<<FORMATION TESTS>>

DST FROM 9870 TO 9985 INITIAL OPEN 3 HOUR 30 MIN, RECOVERED 257 FT OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 285 FIRST FINAL 325, SHUTIN PRESSURES: INITIAL SHUT-IN 2560 ON A 45 MIN TEST FINAL SHUT-IN 1305 ON A 45 MIN TEST

<<CORE INFORMATION>>

TOOK CORES: 9865 TO 9875 RECOVERED 9.0 FT LITHOLOGY-(LLS) POROUS ZONE-(TYPE: D) SHOWS-(NS), 9930 TO 9985 RECOVERED 30.0 FT LITHOLOGY-(LLM) POROUS ZONE-(TYPE: DGY), 9985 TO 10025 RECOVERED 40.0 FT DETAILED DESCRIPTION OF 17.0) LITHOLOGY-(LM) SHOWS-(NS) DETAILED DESCRIPTION OF 7.00 LITHOLOGY-(LM) SHOWS-(OIL) DETAILED DESCRIPTION OF 16.00 LITHOLOGY-(LM) SHOWS-(NS)

TREATED PERF INTERVAL AT 10003 TO 10009 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 9890 TO 9958 BY ACID USING 2000 GALS ACID
RAN THE FOLLOWING LOGS: ML,ES,IL,GRSL,GRL RECV 4143 TO 10000 BY SCHL, ALSO DUMMY PGM CTL TO CORRECT TOPS ENTERED FLAG

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-00564-00
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EXPLORATION SYSTEMS SCOUT TICKET(1-3)

STATE: NM COUNTY: LEA SEC: 22 TWP: 21S RNG: 32E
COMPANY: MCALESTER FUEL COMPANY
LEASE: STATE JC WELL NO: 1 FIELD: ANDERSON RANCH N MDL
LAT: 32.66770 LON: 103.72040
LOCATION NARRATIVE: 990FS L 1980FE L SEC

SPUD DATE: 03-14-1962 COMP DATE: 06-21-1962 ELEV: 4310 DF
DRILLERS TD: 10111 LOG TD:

<<CASING>>

13-24/64	@ 453	W/ 450	SX
08-40/64	@ 4185	W/ 2760	SX
05-32/64	@ 10099	W/ 300	SX
	@	W/	SX
	@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:D&A,WELL CLASS: D&A,RC
SHOW,PRODUCTION TESTS,DRILLING SHOW,FORMATION TESTS,TREATMENTS,PLAN: ML FS IL GEL CASL CALP, AIR DRILL

<<INITIAL POTENTIAL>>

PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9887-9948, 9957-10020, 9886-9913, 9888-9913,

<<TOPS AND(BASES)>>

PI TOPS	QUEN ----- 3377	YESO ----- 6254	BUGHA----- 9826
ANDR ----- 1927	PNES ----- 3629	DRKC ----- 6926	BUGHB----- 9946
SALT ----- 1417	GRBG ----- 3780	ABCK ----- 7577	BUGHC----- 10096
YTES ----- 2533	SADR ----- 4120	WFMP ----- 9017	PI BASES
SVRV ----- 2810	GLRT ----- 5704	TBBB ----- 9606	SALT ----- 2433

<<PRODUCTION TESTS>>

SWAB PERF AT 9906-9914, TEST PRESSURES: PLUG-BACK TO 10098 FEET
SWAB PERF AT 9906-9914
SWAB PERF AT 9906-9914 RECOVERED 100 PCT WATER, WATER ANALYSIS RESULTS: 78600 PPM CL
SWAB PERF AT 10078-10090 OVER A 2 HOUR PERIOD, TEST PRESSURES: PACKER SET AT 10030 FEET PLUG-BACK TO 10083 FEET
SWAB PERF AT 10038-10060
SWAB PERF AT 9965-9969 OVER A 2 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 10022 FEET
SWAB PERF AT 9965-9969 OVER A 2 HOUR 30 MIN PERIOD, TEST PRESSURES: PLUG-BACK TO 10022 FEET
SWAB PERF AT 9909-9917
SWAB PERF AT 9906-9918 RECOVERED 1 BBLS OIL 99 BBLS/D WATER OVER A 10 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 9927 FEET
SWAB PERF AT 9894-9899, TEST PRESSURES: PLUG-BACK TO 9900 FEET
SWAB PERF AT 9894-9899
SWAB PERF AT 9894-9899 RECOVERED 26 BBLS/D WATER OVER A 11 HOUR PERIOD, WATER ANALYSIS RESULTS: 65600 PPM CL

<<FORMATION TESTS>>

DST FROM 9887 TO 9948 INITIAL OPEN 3 MCFD, RECOVERED 60 FT MUD,RECOVERED 931 FT OIL GAS CUT MUD,RECOVERED 2493 FT SALT WTR,WATER ANALYSIS RESULTS: SALINITY OF 82000 PPM CL, OPEN FLOWING PRESSURES: FIRST INITIAL 255 FIRST FINAL 1250, SHUTIN PRESSURES: INITIAL SHUT-IN 3722 ON A 1 HOUR TEST FINAL SHUT-IN 4110
DST FROM 9957 TO 10020 INITIAL OPEN 1 HOUR, RECOVERED 30 FT MUD NS, OPEN FLOWING PRESSURES: FIRST INITIAL 25 FIRST FINAL 29, SHUTIN PRESSURES: INITIAL SHUT-IN 3100 ON A 1 HOUR TEST FINAL SHUT-IN 72 ON A 661 HOUR TEST
DST FROM 9886 TO 9913 USING A STEKE PACKER, RESULTS OF DST: OKAY
DST FROM 9888 TO 9913 USING A STEKE PACKER, INITIAL OPEN 15 MIN, RECOVERED 500 FT HVY OIL GAS WTR CUT MUD,RECOVERED 4100 FT, OPEN FLOWING PRESSURES: FIRST INITIAL 40 FIRST FINAL 175, SHUTIN PRESSURES: INITIAL SHUT-IN 3390 ON A 1 HOUR TEST

<<CORE INFORMATION>>

TOOK CORES: 9888 TO 9948 RECOVERED 60.0 FT DETAILED DESCRIPTION OF 20.00 LITHOLOGY-(LS) SHOWS-(OIL) DETAILED DESCRIPTION OF 10.00 LITHOLOGY-(LS) POROSITY-(H) SHOWS-(NS) DETAILED DESCRIPTION OF 13.50 LITHOLOGY-(LS LS) SHOWS-(HS) DETAILED DESCRIPTION OF 3.50 LITHOLOGY-(SH) DETAILED DESCRIPTION OF 12.00 LITHOLOGY-(LS LS) SHOWS-(NS)

TREATED PERF INTERVAL AT 9906 TO 9914 BY CLAC USING 500 GALS ACID
TREATED PERF INTERVAL AT 9906 TO 9914 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 10038 TO 10060 BY ACID USING 250 GALS ACID
TREATED PERF INTERVAL AT 9965 TO 9969 BY FYD
TREATED PERF INTERVAL AT 9965 TO 9969 BY CLAC USING 250 GALS ACID
TREATED PERF INTERVAL AT 9906 TO 9914 BY FYD

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AMOCO PRODUCTION COMPANY API NO: 30-025-00354-00

EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA
COMPANY: MCALLISTER FUEL COMPANY SEC: 33 TWP: 015 S RNG: 032 E
LEASE: STATE JC WELL NO: 1 FIELD: ANDERSON RANCH MORR
LAT: 33.96770 LON: 103.72040

TREATED PERF INTERVAL AT 9906 TO 9910 BY CLAC USING 250 GALS ACID
TREATED PERF INTERVAL AT 9906 TO 9919 BY ACID USING 1000 GALS ACID
TREATED COMB INTERVAL AT 9894 TO 9899 BY FYD
TREATED PERF INTERVAL AT 9894 TO 9899 BY ACID USING 1500 GALS ACID
TREATED PERF INTERVAL AT 9894 TO 9899 BY ACID USING 1500 GALS ACID
TREATED PERF INTERVAL AT 9894 TO 9899 BY ACID USING 6000 GALS ACID
DRILLING SHOWS ENCOUNTERED: AT 2540 TO 2560 SHOW-(SLI OIL FROM CT), AT 2620 TO 2650 SHOW-(SLI OIL FROM CT), AT 2740 TO 2800 SHOW-(SLI OIL FROM CT), AT 2820 TO 2890 SHOW-(SLI OIL FROM CT), AT 2950 TO 2970 SHOW-(SLI OIL FROM CT), AT 2620 TO 3070 TO 3190 SHOW-(SLI OIL FROM CT), AT 3280 TO 3440 SHOW-(SLI OIL FROM CT), AT 3650 TO 3660 SHOW-(SLI OIL FROM CT), AT 3820 TO 3860 SHOW-(SLI OIL FROM CT), AT 4080 TO 4125 SHOW-(SLI OIL FROM CT)
RAN THE FOLLOWING LOGS: AL,ES,IL,GRL,GRSL,CALF,GRL FROM) TO 10110 BY SCHL, *** DUMMY PGM CTL TO CORRECT DRILLING SHOWS IN DEPTHS

07/29/90 AMOCO PRODUCTION COMPANY API NO: 30-025-00353-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 33 TWP: 015 S RNG: 032 E
COMPANY: MCALESTER FUEL COMPANY
LEASE: STATE JG WELL NO: 1 FIELD: ANDERSON RANCH WOLFC
LAT: 32.97120 LON: 103.7210
LOCATION NARRATIVE: 198FSL & 2310FEL L SEC

SPUD DATE: 06-06-1961 COMP DATE: 07-20-1961 ELEV: 4312 DF ELEV: 4301 GR
DRILLERS TD: 10060 LOG TD:

<<CASING>>

13-24/64	@ 460	W/ 450	SX
09-40/64	@ 4164	W/ 2218	SX
05-32/64	@ 10060	W/ 400	SX
	@	W/	SX
	@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODUCTL,
FC SHOW,IP DATA,PRODUCTION TESTS,FORMATION
TESTS,TREATMENTS,RAN: ES IL ML GRSL GEL,
PRODUCES FROM WFMP,AIG DRILL

<<INITIAL POTENTIAL>>

PERS 9872- 9928 WITH/IP OIL: 194 BBLS/D GAS: SW:
HOUR TEST: 24 CH: 22/64 TP: 200 SITP: GOR: 1320 FM: WFMP
PERS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PERS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9810- 9890, 9756- 9860, 9865- 9985,

<<TOPS AND(BASES)>>

PI TOPS		SVIV	2705	SLGN	4015	HUCC	8997
BLAC	1220	GLEN	3350	GLRT	5690	BESM	9413
SALT	1433	PNRS	3595	YESO	6273	TRDR	9556
TNSL	2411	GREG	3774	DRKT	6900	BUSH	9862
YTES	3513	SADE	4065	ABC	7866		

<<INITIAL POTENTIAL>>

FROM PERF AT 9872-9928 IN THE WFMP BY FLOW RECOVERED 194 BBLS/D OIL OVER A 24 HOUR PERIOD USING 22/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 200 PSI CASING PRESSURE PKR PSI, GOR OF 1320 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 41.0

<<PRODUCTION TESTS>>

SWAB PERF AT 9872-9928
SWAB PERF AT 9872-9928

<<FORMATION TESTS>>

DST FROM 9810 TO 9890 RESULTS OF DST: PKRF
DST FROM 9756 TO 9890 INITIAL OPEN 2 HOUR RESULTS OF DST: OPF, RECOVERED 1167 FT MUD NS, OPEN FLOWING PRESSURES: FIRST INITIAL 360 FIRST FINAL 450, SHUTIN PRESSURES: INITIAL SHUT-IN 1520 ON A 1 HOUR TEST FINAL SHUT-IN 585 ON A 661 HOUR TEST
DST FROM 9865 TO 9985 INITIAL OPEN 2 HOUR, FLOWED TSTM GAS WITH A TIME TO SURFACE OF 10 MINS, RECOVERED 60 FT SLI OIL GAS CUT MUD,RECOVERED 50% FT HVY OIL GAS CUT MUD,RECOVERED 150 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 110 FIRST FINAL 245, SHUTIN PRESSURES: INITIAL SHUT-IN 2505 ON A 45 MIN TEST FINAL SHUT-IN 1230 ON A 45 MIN TEST

TREATED PERF INTERVAL AT 9872 TO 9928 BY ACID USING 500 GALS ACID
TREATED PERF INTERVAL AT 9872 TO 9928 BY ACID USING 6000 GALS ACID
RAN THE FOLLOWING LOGS: ES,IL,ML,GRSL,GEL FROM 0 TO 10050 BY SCHL, *** DUMMY PGM CTL TO CORRECT TOPS EMBRDD FLAG

ABANDONED IN (WFMP), 11-01-1986.

07/30/80 AMOCO PRODUCTION COMPANY API NO: 30-025-00359-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 32 TWP: 015S RNG: 032E
COMPANY: UNION OIL CO. OF CALIF.
LEASE: STATE 33 WELL NO: 3 FIELD: ANDERSON RANCH ADLPC
LAT: 32.97000 LON: 103.72400
LOCATION NARRATIVE: 1980 S L 1980FW L SEC

SPUD DATE: 01-31-1961 COMP DATE: 03-18-1961 ELEV: 4317 DF
DRILLERS TD: 10073 LOG TD:

<<CASING>>

13-3/4/64	@	605	W/ 700	SX
08-40/64	@	4152	W/ 700	SX
05-32/64	@	10067	W/ 500	SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODUCTI,
HC SHOW,IP DATA,PRODUCTION TESTS,FORMATION
TESTS,RAN: ML ES IL GRL GRSL,PRODUCES FROM
PERM,ATP OTLL

<<INITIAL POTENTIAL>>

PFS 9872- 9939 WTR/IP OIL: 352BBLS/D GAS: SW:
HOUR TEST: 24 CH: 14/64 TP: 555 SITP: GOR: 1640 FM:PERM
PFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:

FORMATION TESTS:

<<TOPS AND(BASES)>>

PI TOPS				UNDESIGNATED TOP			
ANDR	1336	SADR	4087	TUBB	6902		
SALT	1480	GLRT	5700	WFBR	9858		
YTES	2517	ABO	7606	PI BASES			
QUEN	3256	PDCR	8089	SALT	2426		
		TFFG	9545				

<<INITIAL POTENTIAL>>

FROM PERF AT 9872-9939 IN THE WFMP AY FORM RECOVERED 352 BBLS/D OIL OVER A 24 HOUR PERIOD USING 14/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 555 PSI CASING PRESSURE 0KE PSI PLUG-BACK TD 10070 FEET, GOR OF 1640 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 47.0

<<PRODUCTION TESTS>>

FROM PERF AT 9872-9939 BY FLOW RECOVERED 12 BBLS OIL OVER A 1 HOUR PERIOD, TEST PRESSURES: TUBING PRESSURE 850 PSI

<<CORE INFORMATION>>

100K CORES: 9860 TO 9922 RECOVERED 28.0 FT LITHOLOGY-(LLS STRKS SH) SHOWS-(SCAT UNID) DETAILED DESCRIPTION FROM 9861 TO 9866 POROSITY-(G), 9922 TO 9953 RECOVERED 31.0 FT LITHOLOGY-(LLS STRKS SH) DETAILED DESCRIPTION FROM 9923 TO 9924 DETAILED DESCRIPTION FROM 9927 TO 9950 POROSITY-(G) DETAILED DESCRIPTION FROM 9947 TO 9948 SHOWS-(OIL), 9952 TO 9983 RECOVERED 10.1 FT LITHOLOGY-(LLS STRKS SH) SHOWS-(GOOD OIL) DETAILED DESCRIPTION FROM 9953 TO 9954 LITHOLOGY-(LS) POROSITY-(S) DETAILED DESCRIPTION FROM 9960 TO 9961 LITHOLOGY-(LS) POROSITY-(G) DETAILED DESCRIPTION FROM 9967 TO 9969 POROSITY-(S), 9983 TO 10010 RECOVERED 10.0 FT LITHOLOGY-(LLS) SHOWS-(NS)

RAN THE FOLLOWING LOGS: ML,ES,IL,GRL,GRSL,GRL FROM 100 TO 10050 BY SCHL, *** DUMMY PGM CTL TO CORRECT TOPS FMPROD FLAG, *** DUMMY PGM CTL TO CORRECT CORED INT DEPTHSHC SEGME

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AMOCO PRODUCTION COMPANY API NO: 30-025-21864-00

EXPLORATION SYSTEMS SCOUT TICKET (T-3)

STATE: NM COUNTY: LEA SEC: 33 TWP: 015 S RNG: 033 E
COMPANY: STOLTZ & CO
LEASE: STANDARD-STATE WELL NO: 1 FIELD: ANDERSON RANCH YOUC
LAT: 32.97920 LON: 103.70250

LOCATION NARRATIVE: 330FN L 1650FW L SEC

SPUD DATE: 10-17-1966 COMP DATE: 11-30-1966 ELEV: 4297 DF
DRILLERS TD: 10334 LOG TD:

<<CASING>>

13-24/64	@ 465	W/ 450	SX
08-40/64	@ 4000	W/ 600	SX
04-32/64	@ 10318	W/ 250	SX
	@	W/	SX
	@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:DEV,FINAL:OIL,WELL CLASS: PRODUCTION,HC SHOW,IP DATA,TREATMENTS,PAY: GRL,PRODUCES PROV TEMP,ATE DRILL

<<INITIAL POTENTIAL>>

PERS 10170-10260 WITH/IP OIL: 308BLS/D GAS: SW: 100BLS/D
24 HOUR TEST: CH: /64 TP: GTY: 567 FM:WFMP
SITP: GAS: SW:
PERS - WITH/IP OIL: GOR: FM:
24 HOUR TEST: CH: /64 TP: SITP: GAS: SW:
PERS - WITH/IP OIL: GOR: FM:
24 HOUR TEST: CH: /64 TP: SITP: GAS:
FORMATION TESTS: 10018-10073,10005-10240, GOR:

<<TOPS AND PASS>>

PI TOPS		GLET		INTERPRETED TOP		SALT	
ANDS	1383	GLET	5770	TUBB	6644		2472
YTES	2582	DEKD	6990	WFMP	6944		
QUEN	3233	ABO	7471	CSCG	10100		
SADR	3693	WFMP	9473	PI BASES			
		TREM	9820				

<<INITIAL POTENTIAL>>

FROM PERF AT 10170-10260 IN THE WFMP BY PUMP RECOVERED 30 BBLS/D OIL 100 BBLS/D WATER OVER A 24 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 10310 PBTD, GOR OF 567 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 42.5

<<FORMATION TESTS>>

DST FROM 10018 TO 10073 INITIAL OPEN 2 HOUR, RECOVERED 120 FT SLT OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL SI FIRST FINAL 96, SHUTIN PRESSURES: INITIAL SHUT-IN 312 ON A 45 MIN TEST FINAL SHUT-IN 556 ON A 001 HOUR 55 MIN TEST

DST FROM 10005 TO 10240 INITIAL OPEN 4 HOUR, FLOWED 448 MCFD GAS WITH A TIME TO SURFACE OF 4 MINS, FLOWED OIL GRAVITY OF RECOVERED FLUID-40.0, RECOVERED 600 FT OIL GAS CUT MUD,RECOVERED 4000 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 240 FIRST FINAL 600, SHUTIN PRESSURES: INITIAL SHUT-IN 3100 ON A 45 MIN TEST FINAL SHUT-IN 3052 ON A 002 HOUR 53 MIN TEST

TREATED PERF INTERVAL AT 10170 TO 10260 BY ACID USING 7000 GALS ACID
RAN THE FOLLOWING LOGS: GRL PROV 50 TO 10329 BY SCHL, 411 DUMMY PGM CTL TO CORRECT TOPS FPROD FLAG

ABANDONED IN (WFMP), 02-08-1968.

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-00360-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: ___1 TWP: 016_S RNG: 032_E
COMPANY: GULF OIL CORP
LEASE: LEA-STATE NCT-AR WELL NO: 2 FIELD: ANDERSON RANCH N WOL
LAT: 32.96320 LON: 103.72640
LOCATION NARRATIVE: 660FN L 660FW L SEC

SPUD DATE: 03-03-1962 COMP DATE: 04-27-1962 ELEV: 4316 DF ELEV: _4304_GR
DRILLERS TD: 10107 LOG TD:

<<CASING>>

13-24/64	@ 439	W/ 425	SX
08-40/64	@ 4150	W/ 500	SX
05-32/64	@ 10107	W/ 475	SX
	@	W/	SX
	@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODUCIL,
RE-ENTERED 1968,NO SHOW,IP DATA,PRODUCTION
TESTS,FORMATION TESTS,TREATMENTS,RAN: IL,ES
MICS CBL GRNL,PRODUCES FROM WFMP,AIR DRILL

<<INITIAL POTENTIAL>>

PFS 9802- 9836 WITH/IP OIL: 240BBLS/D GAS: SW:
HOUR TEST: 12 CH: 14/64 TP: 300 SITP: GOR: 1850 FM: WFMP
PFS 9802- 9930 WITH/IP OIL: 30BBLS/D GAS: SW: 216BBLS/D
HOUR TEST: 24 CH: /64 TP: SITP: GOR: FM: WFMP
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:

FORMATION TESTS:

<<TOPS AND(BASES)>>

RI TOPS		GLFT	5633		
RSLR	1309	TUBB	6377		
YTES	2515	AEC	7620		
QUEN	3370	WFMP	8957		
SADR	4130				

<<INITIAL POTENTIAL>>

FROM PERF AT 9802-9836 IN THE WFMP BY FLOW RECOVERED 240 BBLS/D OIL OVER A 12 HOUR PERIOD USING 14/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 300 PSI CASING PRESSURE PKR SET PLUG-BACK TD 10076 FEET, GOR OF 1850 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 39.8
FROM PERF AT 9802-9930 IN THE WFMP BY PUMP RECOVERED 30 BBLS/D OIL 210 BBLS/D WATER OVER A 24 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TD 10076 FEET

<<PRODUCTION TESTS>>

FROM PERF AT 9802-9836 BY FLOW RECOVERED 30 BBLS OIL OVER A 1 HOUR PERIOD USING 45/64 INCH CHOKE, TEST PRESSURES: PLUG-BACK TD 10076 FEET
SWAB PERF AT 9822-9930 IN THE WFMP RECOVERED 32 BBLS OIL OVER A 10 HOUR 30 MIN PERIOD

TREATED PERF INTERVAL AT 9802 TO 9836 BY ACID USING 500 GALS ACID
TREATED PERF INTERVAL AT 9922 TO 9930 BY CLAC USING 500 GALS ACID
TREATED PERF INTERVAL AT 9822 TO 9930 BY ACID USING 1500 GALS ACID
RAN THE FOLLOWING LOGS: IL,ES,MICS,GRL,GRNL,GRL FROM 200 TO 1010, BY PGAC, 44# DUMMY PGM CTL TO CORRECT TOPS ENTERED FLAG

RE-ENTERED: ON 05-25-1968 LEASE CARRIED AS THE GULF OIL CORP NUMBER 2 LEA-STATE R NCT-
RECOMPLETED 04-10-1968, INITIAL DEV, FINAL OIL,

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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 1 TWP: 01S RNG: 032E
COMPANY: PLYMOUTH OIL COMPANY
LEASE: STATE A WELL NO: 1 FIELD:
LAT: 32.99150 LON: 103.72200
LOCATION NARRATIVE: 330FSL & 1980FWL SEC

SPUD DATE: 12-15-1953 COMP DATE: 05-03-1954 ELEV: 4297 DF
DRILLERS TD: 9945 LOG TD:

<<CASING>>

13-24/64	@	409	W/	500 SX
09-40/64	@	4213	W/	2501 SX
07-00/64	@	9945	W/	500 SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:WC,FINAL:CEA,WELL CLASS: DEA,RC SHOW, PRODUCTION TESTS,FORMATION TESTS,TREATMENTS, RAN: ES SFLT GEL,LITH FILE

<<INITIAL POTENTIAL>>

PFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9732- 9797, 9783- 9840, 9783- 9860, 9906- 9945,

<<TOPS AND(EASES)>>

PI TOPS	ABC ----- 7630	WFMP -ZZZ- 6866
ANDP ----- 1297	WFMP ----- 8010	
YTES ----- 2535	SLES ----- 8550	
SADE ----- 4174	INTERPOLATED TOP	
GLRT ----- 5703	QUEN -ZZZ- 7335	

<<PRODUCTION TESTS>>

SWAB PERF AT 9830-9850, TEST PRESSURES: PACKER SET AT 9766 FEET PLUG-BACK TO 9943 FEET
FROM PERF AT 9830-9850 BY FLOW RECOVERED 36 BBLS OIL OVER A 4 HOUR PERIOD USING 48/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 100 PST PACKER SET AT 9766 FEET PLUG-BACK TO 9943 FEET
FROM PERF AT 9830-9850 BY FLOW RECOVERED 108 BBLS OIL OVER A 22 HOUR PERIOD USING 32/64 INCH CHOKE, TEST PRESSURES: PACKER SET AT 9766 FEET PLUG-BACK TO 9943 FEET
SWAB PERF AT 9906-9946, TEST PRESSURES: PACKER SET AT 9875 FEET PLUG-BACK TO 9943 FEET
SWAB PERF AT 9906-9940 RECOVERED 100 PCT WATER OVER A 5 HOUR PERIOD
SWAB PERF AT 9672-9692 RECOVERED 100 PCT WATER, TEST PRESSURES: PLUG-BACK TO 9864 FEET
SWAB PERF AT 9672-9692 RECOVERED 100 PCT WATER, TEST PRESSURES: PACKER SET AT 9662 FEET PLUG-BACK TO 9864 FEET
SWAB PERF AT 9672-9692, TEST PRESSURES: PLUG-BACK TO 9704 FEET
SWAB PERF AT 9672-9692 RECOVERED 20 BBLS/D WATER OVER A 4 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 9864 FEET
SWAB PERF AT 9830-9850 RECOVERED 30 BBLS OIL 30 PCT WATER OVER A 3 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 9864 FEET
SWAB PERF AT 9830-9850 RECOVERED 20 BBLS OIL 7 BBLS/D WATER OVER A 7 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 9864 FEET
SWAB PERF AT 9830-9850 RECOVERED 19 BBLS OIL 14 BBLS/D WATER OVER A 11 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 9864 FEET

<<FORMATION TESTS>>

DST FROM 9732 TO 9797 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 15 FT MUD
DST FROM 9783 TO 9840 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 10 FT MUD NS, SHUTIN PRESSURES: FINAL SHUT-IN 25 ON A 15 MIN TEST
DST FROM 9783 TO 9860 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 43 MINS, RECOVERED 30 FT HVY OIL GAS CUT MUD,RECOVERED 915 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 200 FIRST FINAL 435, SHUTIN PRESSURES: FINAL SHUT-IN 1000 ON A 30 MIN TEST
DST FROM 9906 TO 9945 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 30 MIN, FLOWED GAS WITH A TIME TO SURFACE OF 7 MINS, RECOVERED 200 FT HVY OIL GAS CUT MUD,RECOVERED 460 FT OIL,RECOVERED 20 FT SUL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 120 FIRST FINAL 240, SHUTIN PRESSURES: FINAL SHUT-IN 2065 ON A 15 MIN TEST

<<CORE INFORMATION>>

TOOK CORES: 9896 TO 9943 RECOVERED 20.0 FT LITHOLOGY-(LS STKS SH) POROUS ZONE-(TYPE: C), 9744 TO 9774 RECOVERED 26.0 FT DETAILED DESCRIPTION OF +.00 LITHOLOGY-(LS) DETAILED DESCRIPTION OF 7.00 LITHOLOGY-(SH) DETAILED

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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 1 TWP: 016 S RNG: 032 E
COMPANY: PLYMOUTH OIL COMPANY
LEASE: STATE A WELL NO: 1 FIELD:
LAT: 32°55'50" LON: 103°72'30"

DESCRIPTION OF 15.00 LITHOLOGY-(STRKS SH SH), 9774 TO 9794 RECOVERED 15.0 FT
DETAILED DESCRIPTION OF 8.50 LITHOLOGY-(STRKS SH SH) DETAILED DESCRIPTION OF
3.50 LITHOLOGY-(LS) SHOWS-(GOOD ODOR-0 BLEC COG) DETAILED DESCRIPTION OF 6.00
LITHOLOGY-(STRKS SH SH)

TREATED PERF INTERVAL AT 9830 TO 9850 BY ACID USING 1500 GALS ACID
TREATED PERF INTERVAL AT 9830 TO 9850 BY ACID USING 5000 GALS ACID
TREATED PERF INTERVAL AT 9906 TO 9940 BY ACID USING 1500 GALS ACID
TREATED PERF INTERVAL AT 9672 TO 9692 BY ACID USING 1500 GALS ACID
TREATED PERF INTERVAL AT 9672 TO 9692 BY ACID USING 1500 GALS ACID
TREATED PERF INTERVAL AT 9672 TO 9692 BY ACID USING 500 GALS ACID
TREATED PERF INTERVAL AT 9672 TO 9692 BY ACID USING 1500 GALS ACID
RAN THE FOLLOWING LOGS: GR,SPLL BY PERM-C.GRL FROM 0 TO 4290 BY SCHL

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-09362-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 12 TWP: 21S RNG: 32E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 6 FIELD: ANDERSON RANCH WOLFC
LAT: 32.94430 LON: 103.73050
LOCATION NARRATIVE: 660FS L 660FE L SEC

SPUD DATE: 09-02-1953 COMP DATE: 11-20-1953 ELEV: 4293 DF
DRILLERS TD: 9980 LOG TD:

<<CASING>>

13-24/64	@	325	W/ 500	SX
09-40/64	@	3311	W/ 3545	SX
07-00/64	@	9980	W/ 185	SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: DEVOIL,
HC SHOW,IP DATA,PRODUCTION TESTS,FORMATION
TESTS,TREATMENTS,RAN: ES GRN, GRL

<<INITIAL POTENTIAL>>

PFS 9730- 9800 WITH/IP OIL: 750BBLS/D GAS: SW:
HOUR TEST: 6 CH: 20/64 TP: 350 SITP: GOR: 1582 FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9620- 9802, 9909- 9980,

<<TOPS AND CASES>>

PI TOPS	ABO ----- 7378		
YTES ----- 2935	FLOY ----- 8890		
SADR ----- 4176			
GLRT ----- 5660			
TUBB ----- 6836			

<<INITIAL POTENTIAL>>

FROM PERF AT 9730-9800 BY FLOW RECOVERED 750 BBLS/D OIL OVER A 6 HOUR PERIOD USING 20/64 INCH CHOKE, TEST PRESSURES: FLOWING PRESSURE 350 PSI CASING PRESSURE FOR PST PACKER SET AT 9700 FEET, GOR OF 1582 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 42.0

<<PRODUCTION TESTS>>

SWAB PERF AT 9730-9800, TEST PRESSURES: PACKER SET AT 9710 FEET
FROM PERF AT 9730-9800 BY FLOW RECOVERED 105 BBLS OIL 1234 MCFD GAS OVER A 6 HOUR PERIOD USING 20/64 INCH CHOKE

<<FORMATION TESTS>>

DST FROM 9620 TO 9802 WITH 540 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 4 HOUR 15 MIN, FLOWED GAS WITH A TIME TO SURFACE OF 100 MINS, RECOVERED 540 FT WTR CUSH,RECOVERED 4600 FT HVY OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 475 FIRST FINAL 1275, SHUTIN PRESSURES: FINAL SHUT-IN 1325 ON A 15 MIN TEST
DST FROM 9909 TO 9980 WITH 540 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, RECOVERED 540 FT WTR CUSH,RECOVERED 60 FT SUL WTR, OPEN FLOWING PRESSURES: FIRST FINAL 475, SHUTIN PRESSURES: FINAL SHUT-IN 1300 ON A 15 MIN TEST

TREATED PERF INTERVAL AT 9730 TO 9800 BY ACID USING 2750 GALS ACID
TREATED PERF INTERVAL AT 9730 TO 9800 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 9730 TO 9800 BY ACID USING 5000 GALS ACID
RAN THE FOLLOWING LOGS: ES,GRNL,GRL FROM 9490 TO 9921 BY WELEX

HWT-773

APPLICANT'S SWORN STATEMENT

BEFORE EXAMINER NUTTER
OIL CONSERVATION DIVISION
Amoco EXHIBIT NO. 6
CASE NO. 6992

STATE OF TEXAS |
COUNTY OF HARRIS |

Before me, the undersigned authority, on this day personally appeared E. E. MORRIS, in his capacity as Attorney-in-Fact for Amoco Production Company, who, upon being duly sworn, hereby states:

1. That he is an Attorney-in-Fact for Amoco Production Company, the Applicant in the proceedings in which this sworn statement is to be filed, and that he is duly qualified and authorized to make the statements hereinafter set out, and that such statements are true and correct;

2. That he has made, or has caused to be made pursuant to his instructions, a diligent search of all records which are reasonably available and contain information relevant to the determination of eligibility;

3. That the search included reviewing the following described records: Application for Discovery Allowable and New Field Determination, Notice of Commission Action, maps of the surrounding area to determine the wells that have penetrated the reservoir prior to April 20, 1977, Completion Reports, well test data on the filed well and on all surrounding wells in the surrounding area, logs, cross section, formation structure maps and pressure data. ;
These records are located at Amoco Production Company's West Texas/ Eastern New Mexico Division Office, Box 3092, Houston, Tx 77001;
however, other records which he believes may contain information relevant to the determination, which records are described as follows: (none) , he has determined were not reasonably available to him.

4. That on the basis of the results of this search and examination, he has concluded that to the best of his information, knowledge, and belief, the natural gas to be produced and for which he seeks a determination is from a new onshore reservoir, that such natural gas was not produced in commercial quantities from the reservoir prior to April 20, 1977, that the Reservoir had not been penetrated before April 20, 1977, by an old well from which natural gas or crude oil was produced in commercial quantities from any reservoir, and that such natural gas will not be produced through an old well; and

5. That he has no knowledge of any other information not described in the application which is inconsistent with his conclusion.

DATED this 31 day of July, 19 80.

Applicant: AMOCO PRODUCTION COMPANY

By Earl E. Morris
Division Production Manager
P. O. Box 3092
Houston, Tx 77001

SUBSCRIBED AND SWORN TO BEFORE ME this 31 day of July, 19 80, to certify which witness my hand and seal of office.

Dennis M. LaPointe
Notary Public in and for
Harris County, Texas

My Commission Expires:

5/24/81

Amoco Production Company

Houston, TX

August 4, 1980

BEFORE EXAMINER NUTTER
OIL CONSERVATION DIVISION
Amoco EXHIBIT NO. 3
CASE NO. 6992

File: HHR-2608-WF

Re: Justification of a New Reservoir
Anderson "3" Com No. 1
Anderson Ranch Morrow Field
Lea County, New Mexico

Memorandum to File

The Anderson 3 Com No. 1 has encountered a new Morrow Reservoir. This conclusion is based on a comparison of pressure, production, and DST data between the subject well and twenty-one (21) offset wells which penetrated the Morrow Horizon.

The Anderson 3 Com No. 1 was spudded on May 20, 1979 and was completed on August 13, 1979, in the Morrow from perforations at 12,456'-12,463'. On initial potential the well flowed 3,800 MCFGPD, dry gas through a 20/64" choke at a 3,150 psi flowing tubing pressure. A static bottom hole pressure test was run on September 10, 1979, and a pressure of 5,850 psi was obtained at 12,459' (mid-point of perforatios). The well went to sales January 16, 1980, and underwent a rapid pressure decline until it was shut-in in March due to its inability to buck the sales line pressure. Current bottom hole pressure is 3280 psi. The well produced 29,871 MCF before shut-in and is now awaiting a contract for a low pressure sales line.

Of the eighteen (18) wells within a 2.5 mile radius of the Anderson 3 Com No. 1, which penetrated the Morrow, only three were completed in the Morrow as commercial gas wells. A brief discussion of these three wells follows:

The State "76" Well No. 1 is located approximately 1.1 miles northeast of the subject well and was recompleted to the Morrow on November 19, 1966. The well has a cumulative to May 1, 1980 of 3.90 BCF. The latest BHP data available is a September 13, 1976 test which yielded a BHP of 1,747 psi. The initial BHP of this well was 5,208 psi.

The Anderson Ranch Unit No. 3A is located approximately 1.4 miles east southeast of the Anderson 3 Com No. 1 and was completed in 1969 for 3.1 MMCFPD. The initial BHP could not be located but

based on an initial shut-in wellhead pressure of 2,888 psi and assuming a static column of dry gas the BHP is estimated to be approximately 3,767 psi at the middle of the perforations (12,177'). The well underwent severe pressure depletion after connection to sales and was abandoned after producing only 90 MMCF.

The Anderson Ranch Unit No. 7 is located 0.5 miles northwest of the Anderson 3 Com No. 1 and was recompleted to the Morrow in 1971. The well potentialed for 2.1 MMCFPD and has produced over 3.6 BCF and is still producing at rates in excess of 500 MCFPD. The initial BHP was recorded as 4,617 psi and a test taken April 17, 1979, has the BHP at 615 psi.

Of the fifteen (15) remaining wells five performed tests in the Morrow. The test results are discussed as follows:

The Anderson Ranch Unit No. 1 is located approximately 1.25 miles southeast of the subject well and attempted to DST the Morrow over the interval 12,144'-12,170'. During the DST the well blew out and caught fire. Blowout rates were estimated as 10 to 50 MMCFPD. Drilling continued after the well was under control and a new rig moved in. There were five other DST's performed in horizons below the Morrow and even coring was done over the Morrow interval 12,175'-12,191'. This activity after a blowout indicates that the Morrow zone was evidently a high pressure, limited reservoir with no commercial potential as the well was eventually completed in the Anderson Ranch Devonian on May 4, 1953.

The Anderson Ranch Unit No. 2 is located approximately .87 miles southeast of the subject well and is producing from the Anderson Ranch Wolfcamp. A DST over the Morrow interval 12,070'-12,212' obtained a gas show and recorded a 15 minute final shut-in pressure of 3,725 psi.

The Anderson Ranch Unit No. 8 is located approximately 1.6 miles southeast of the subject well and DST'd the Morrow intervals 12,098'-12,237' and 12,381'-12,616'. The first DST obtained a slight gas show and a 15 minute final shut-in pressure of 4,650 psi. The second DST obtained a slight gas show and recorded a 15 minute final shut-in pressure of 2400 psi. These two zones were eventually perforated and tested non-commercial.

The State Q 15 No. 1 is located approximately 1.6 miles directly south of the subject well and DST'd the Morrow interval 12,383'-12,463'. This test recorded a gas show and an encouraging 15 minute final shut-in pressure of 5400 psi. The interval 12,362'-12,401' was subsequently perforated and tested non-commercial.

The Anderson Ranch Unit No. 15 is located approximately .8 miles directly east of the subject well and DST'd the Morrow interval 11,980' - 12,235'. This test recorded a slight gas show and a 15 minute final shut-in pressure of 1680 psi.

The remaining ten wells which penetrated the Morrow recorded no DST or completion test attempts.

In addition to the above 18 wells, 3 additional wells were reviewed. These wells fall outside the 2.5 mile radius but contained Morrow test data. A discussion of these wells follows:

The State "26" No. 1 is located approximately 3.2 miles northwest of the subject well and performed a DST over the Morrow-Mississippian interval 12,333' - 12,700'. The DST recovered no shows. The well was DxA November 3, 1978.

The West Anderson Ranch Unit No. 1 is located approximately 3.1 miles west of the subject well and obtained a successful DST in the Morrow over the interval 12,314' - 12,569' recovering gas at a rate of 3,241 MCFPD and a 45 minute final shut-in pressure of 5,175 psi. The well was completed in the Morrow over the interval 12,512' - 12,530' and 12,542'- 12,550' with an initial potential of 5000 MCFPD. The well immediately depleted and was shut-in after producing only 100 MMCF and 8.8 MBO.

The Emerald Unit No. 1, located approximately 2.6 miles south of the subject well, DST'd the Morrow at 12,112' - 12,458' but obtained no results due to packer failure. The well was subsequently completed in the Wolfcamp.

Therefore, based on a thorough review of the aforementioned data, and analysis of cross-sections containing pertinent offset wells, it is concluded that the Anderson "3" Com No. 1 has encountered a new and separate Morrow reservoir. The data conclusively indicates: (1) this reservoir is at a higher virgin pressure than encountered in any other field well, and; (2) even though the remainder of the field wells are in a depleted state, the subject well is not in communication with other field wells.

Robert D. LaRobadiere

RDL/dgh
46/H

ANDERSON 3 COM #1 OFFSETS

WELL	OPERATOR	LOCATION	TD	COMP. INTER	HORIZON	MORROW TESTS
Lea State "GE" #1	Gulf Oil Corp.	B-32-15-32	13655'	P X A		
State 4-32	Union Oil of Ca.	I-32-15-32	10040'			
Gulf State "B" #1	Tenneco	M-32-15-32	10305'			
Shell State #1	King Resources	O-32-15-32	9900'			
N. M. State BH #1	Union Oil of Ca.	P-32-15-32	10011'			
State 1-33	Union Oil of Ca.	E-33-15-32	13502'	9952-9980	Wolfcamp	
State 3-33	Union Oil of Ca.	K-33-15-32	10073'			
State "A" 1-33	Union Oil of Ca.	M-33-15-32	13408'	9852-76	Wolfcamp	
State "JO" #1	McAlister Fuel Co.	O-33-15-32	10110'			
Amerada State #2	Amerada	P-33-15-32	5075'			
Lea "R" State #2	Gulf Oil	D-1-16-32	10107'			
State A #1	Plymouth Oil	K-1-16-32	9945'			
Lea State "R" #1	Gulf Oil	A-2-16-32	13420'	9828-62'	Wolfcamp	
State Land 76 #2	Mid-Continent Pet.	A-2-16-32	9960'			
New Mexico "S" #1	Magnolia Petro.	B-2-16-32	13509'	13414-447'	Devonian	
State "76" #1	Mid-Continent Pet.	G-2-16-32	10042'			
Sunray-State #1	Burleson & Huff	C-2-16-32	9900'			
Eddy-Lea State NCT-A #1	Gulf Oil	F-2-16-32	9985'			

RC/dq

647/T3

BEFORE EXAMINER NUTTER
OIL CONSERVATION DIVISION
Amoco EXHIBIT NO. 4
CASE NO. 6992

WELL	OPERATOR	LOCATION	TD	COMP. INTER	HORIZON	MORROW TESTS
Lea State "CL" A #1	Gulf Oil	J-2-16-32	13395'	9628-9842'	WLCP, DEV	
Anderson Ranch Unit #14	Conoco	Q-2-16-32	13406'	13350-392'	Dev.	
State Land "76" Com #1	Sunray DX	O-2-16-32	13395'	12160-170'	Morrow	Initial BHP 5208 psi 9-13-76 BHP 1747 psi
Anderson Ranch Unit #15	Conoco	S-2-16-32	13500'	13380-420'	Dev.	DST 11980'-12,235' Rec SGCM, 15 min. FSIP 1680
Lea State "CR" A #4	Gulf Oil	J-2-16-32	13500'	9696-9816'	WLCP	
Lea State "CR" #3	Gulf Oil	N-2-16-32	9912'			
Lea State "CR" #1	Gulf Oil	P-2-16-32	9875'			
Lea State "CR" #2	Gulf Oil	O-2-16-32	13363'	9718-9804'	WLCP	
Anderson Ranch Unit #17	Conoco	R-2-16-32	9967'			
Anderson Ranch Unit #18	Conoco	T-2-16-32	9920'			
Anderson Ranch Unit #12	Conoco	V-2-16-32	9865'			
Anderson Ranch Unit #7	Conoco	W-2-16-32	13568'	12103-140'	Morrow	Initial BHP 4617 4-17-79 BHP 615
Anderson Ranch Unit #6	Conoco	X-2-16-32	9980'			
Aggie #1-A	Phillips Petro.	Q-3-16-32	10000'			
State "B" #1	Oscar Bourg	T-3-16-32	4173'			
Anderson "3" Com #1	Amoco Prod.	R-3-16-32	12635'	12456-463'	Morrow	Initial BHP 5850

RC/dq

647/T4

WELL	OPERATOR	LOCATION	TD	COMP. INTER	HORIZON	MORROW TESTS
Sinclair State #1	Bob Dean Ltd.	U-5-16-32	4110'			
Arco State #1	Monsanto	J-9-16-32	10615'			
Sinclair State "B" #1	Cactus Drlg.	O-9-16-32	3445'			
Pan American State E #1	Cactus Drlg.	P-9-16-32	3740'			
Pan American-State #1	Silverthorne	P-9-16-32	45'			
Alco-State #1	Silverthorne R.Q.	M-10-16-32	3408'			
Anderson Ranch Unit #3A	Conoco	A-11-16-32	13540'	12148-12207'	Morrow	3123 MCFGPD 2888# SIWHP (Est. BHP 3,767)
Anderson Ranch Unit #6	Conoco	A-11-16-32	9940'			
Anderson Ranch Unit #4	Conoco	B-11-16-32	9914'			
Anderson Ranch Unit #2	Conoco	C-11-16-32	13703'	9785-9859'	WLCP	DST Morrow 12,070-12,212', 15 min. FSIP 3725 psi
Anderson Ranch Unit #11	Conoco	F-11-16-32	9950'			
Anderson Ranch Unit #1	Conoco	G-11-16-32	13775'	13374-474'		DST 12,141-170' Blew out, 10-50 MMCFPD. DST 12435-578 rec 3510 SGCM FP 1075-1175 DST 13263-408 613 MCF 409 BO FP 2575-4050
Anderson Ranch Unit #10	Conoco	H-11-16-32	9875'			
Anderson Ranch Unit #8	Conoco	I-11-16-32	13689'	TA		DST 12,098-237' rec SGCM, 15 min FSIP 4650 psi, 12,381-616' rec SGCM, 15 min FSIP 2400 psi, Perf above, tested non com.
Anderson Ranch Unit #5	Conoco	J-11-16-32	10010'			
Anderson Ranch Unit #13	Conoco	K-11-16-32	13566'	9754-9866'	WLCP	
State 1-A	Caprock Oil	N-11-16-32	4912'			
Anderson Ranch Unit #9	Conoco	D-12-16-32	10250'			
Stanolind State #1	Vickers Petroleum	E-14-16-32	4839'			

RC/dq

647/T5

WELL	OPERATOR	LOCATION	TD	COMP. INTER	HORIZON	MORROW TESTS
Atlantic State #1	R. Q. Silverthorne	F-15-16-32	4200'			
State Q-15 #1	Conoco	G-15-16-32	13689'	9849-69'	WLCP	DST 12,383-463', rec Gas 15 min FSIP 5400 psi. Perf 12,362-401' non com.
~~State "B" No. 1~~	~~Vickers Petro.~~	~~N-15-16-32~~	~~112 RB~~			
Arco State #1	H.L. Brown, Jr.	A-16-16-32	10100'			
Sinclair State #2	Cactus Drlg. Co.	A-16-16-32	3485'			
Sinclair State #1	Cactus Drlg. Co.	B-16-16-32	4347'			
Continental State #1	Cactus Drlg. Co.	C-16-16-32	3502'			
Mobil-State #2	Cactus Drlg. Co.	D-16-16-32	3450'			
Mobil-State #1	Cactus Drlg. Co.	E-16-16-32	3455'			
Mobil-State B #1	Cactus Drlg. Co.	F-16-16-32	3463'			
Mobil-State #3	Cactus Drlg. Co.	G-16-16-32	3462'			
State "MOA" #1	Shell Oil Co.	H-16-16-32	3470'			
Humble-State #1	Morris R. Antwell	J-16-16-32	3503'			
N.M. State "BT" #1	Humble O & R	J-16-16-32	3450'			
Mobil-State #3	Cactus Drlg. Co.	K-16-16-32	3473'			
State "MQ" #1	Shell Oil Co.	L-16-16-32	3490'			
Sinclair-State "A" #1	Cactus Drlg. Co.	H-16-16-32	3474'			

RC/dq

647/T6

Petroleum Information.

COUNTY CHAVES FIELD Wildcat STATE NM

OPR BROWN, H. L., JR. API 30-005-20645

NO 1 LEASE State 26 MAP SE COORD S 22 W

Sec 26, T15S, R31E 12-5-4 NM

660' FSL, 1980' FEL of Sec

32 mi SE/Hagerman SPD 10-12-78 CMP 11-3-78

CSG.
12 3/4" at 604' w/300 sx
8 5/8" at 4204' w/200 sx

WELL CLASS: INIT WF FIN WF ELEV L & S

FORMATION	DATUM	FORMATION	DATUM

TD 12,750' (MSSP) PBD

DRY & ABANDONED

CONTR Landis #3 OPR ELEV 4374' GL PD 12,550' RT

BEFORE EXAMINER NUTTER
OIL CONSERVATION DIVISION
Amoco EXHIBIT NO. 5
CASE NO. 6992

F.R. 10-2-78
(Pennsylvanian)

10-24-78 Drlg 2774' "Tight"
10-26-78 Drlg 3543' "Tight"
11-6-78 Drlg 9367'
11-13-78 Drlg 10,759'
11-27-78 TD 12,640'; Logging
12-4-78 TD 12,750'; D&A (Hold)
DST (Morrow-Mississippian) 12,333-700', op 1 hr 30 mins, rec 2000' WB + 303' DF w/NS, 1 hr ISIP 1446#, FP 1238-1169#, 2 hr FSIP 1354#, HP 5732-5732#
12-25-78 TD 12,750'; Dry & Abandoned
LOG TOPS: Rustler 1319', Yates 2510', Queen 3300', Grayburg 3846', San Andres 4087', Glorieta 5662', Clearfork 6266',

12-5-4 NM

12-25-78 Continued
Tubb 6880', Drinkard 7018', Abo 7580',
Wolfcamp 9010', Strawn 10,998', Morrow
12,332', Mississippian 12,580'

12-30-78 COMPLETION ISSUED

12-5-4 NM
IC 30-005-70088-78

FORM 811 10-48

District 5-A Eloy SCOUT TICKET

MN00381 K

OUR NO. 7628

COUNTY Lea

STATE New Mexico (Wildcat)

ELEV. 4395

OPERATOR Continental Oil Co.

FARM West Anderson Ranch Unit WELL NO. 1

SEC. 6 T. 16-S R. 32-E

SEC. BLK. SURVEY

LOC. 3235 FR. N FR. S FR. E 1991 FR. W

SPUD. 7-7-54 COMP. 1-1-55 T.D. 14015 dr PB 12582

CONTRACTOR TP 12512 Perf.

SHOT A/1000

T. AN. 1300 Sd PROD. 9BOPH F 5000 MCFGPD + 443 B OIST PD

T. SALT GOR GR. 55

B. SALT 2390 PRESSURE: CASING PKR TUBING 2990.5

T. YATES 2530 REMARKS: 2" 12551

T. GRAYBURG Perf 12512-50

T. S. A. 4025

T. GLOR. 5629

T. C. F.

T. TUBBS 6817

T. MISS. 13010- 13022-8

T. DEV. 13,690. 13675

T. SIL.

T. MONTOYA

T. SIMPSON

T. ELLEN.

T. 7 Rivers

T. Queen

T. Drink

T. Abo 7522

T. Wolf C.

T. Penn

T. Fuss

T. McKee

T. Wood 13585

12 3/4 425 500

9 5/8 9095 2795

7" 12609 730

6-30-54	13,700' test. Location.	SEP 8 1954	
JUL 7 1954			
JUL 14 1954			
JUL 21 1954			
JUL 28 1954			
AUG 4 1954		SEP 15 1954	
		SEP 22 1954	
11 1954		SEP 29 1954	
AUG 18 1954		OCT 6 1954	
AUG 25 1954			
SEP 1 1954			
		OCT 13 1954	

LOG

OCT 26	1954	∅ 12,506 Ln. Ch.			
OCT 27	1954	∅ 12,506 Cd			
		DST 12,500-506			
		OP 1:45	1000 WB		
		Rec. WB + 22	SGCM		
		FP 975	15 Sip 1250		
NOV 3	1954	TD 12,569 Ln.	DST		
		DST 12,500-569			
		Failed			
		DST 12,540-569			
		Failed			
		DST 12,515-569			
		Failed			
NOV 10	1954	∅ 12,726 Ln.			
		DST 12,514-569			
		OP 1:30	2500 WB	WB 1:30	
		F.S.I.P. 1:30		Gas 22/64 MPF	
		Rec. 450	Dist	OP 50	
		FP 2475		IF 1:15 FP 75	
NOV 17	1954	∅ 13037 Ln. Ch.			
NOV 23	1954	∅ 13269 Ln Ch			
DEC 1	1954	∅ 13600 Ln Ch			
DEC 8	1954	∅ 13899 Ln Ch			
		DST 13644-740			
		OP 1:40	2500 WB		
		Rec. WB + 115 M			
		FP 0	15 Sip 1240		
		DST 13730-852			
		OP 1:45	2500 WB		
		Rec. WB + 120 M			
		FP 0	15 Sip 2655		
DEC 15	1954	∅ 13,983 Ln Ch			
		DST 13,850-983			
		OP 1 hr	2500 WB		
		Rec WB + 40 M			
		FP 1215	15 Sip 2120		
DEC 21	1954	TD 14015 Ln Ch	PB 13,610	Run Csg.	
		DST 13940-14015			
		OP 2:30	2500 WB		
		Rec. WB + 4900 Gal W.			
		FP 4400	15 Sip 5600		
JAN 5	1955	TD 14015 Ln Ch	PB 13,582	WOP	
		Perf 22 13,512-30			
		32 13,542-50	2" PKR 12,485		
		w/1000 FIP & Dist PH for 3 hrs + 3,200 MFG'D			
JAN 12	1955	½ Ch TA 700			

STANDARD B&P

FORM 511 10-48

SCOUT TICKET

OUR NO. 76 V.P

COUNTY Lea

STATE New Mexico (Wildcat)

ELEV. 4395

OPERATOR Continental

FARM West Anderson Ranch WELL NO. 1

SEC. 6 T. 16-S R. 32-E

SEC. BLK. SURVEY

LOC. 3235 FR. N FR. S FR. E 1991 FR. W

SPUD. COMP. T.D. PB

CONTRACTOR TP

SHOT

T. AN. PROD. IP

T. SALT GOR. GR.

B. SALT PRESSURE-CASING TUBING

T. YATES REMARKS:

T. GRAYBURG

T. S. A.

T. GLOR.

T. C. F.

T. TUBBS

T. MISS.

T. DEV.

T. SIL.

T. MONTOYA

T. SIMPSON

T. ELLEN

(page 2)

STANDARD B&P "NCT"

JAN 19 1955	✓			
JAN 26 1955	T.D. 14015 Lm	PB 12562		
	9/64 Ch	F 5002 MCF		
	15/64 Ch	F 12530 MCF		
	½ Ch	F 4226 MCF		

LOG

T. Anhy	1240	+3155		
T. Yates	3440	+1945		
T. Queen	3385	+1126		
T. S. A.	4491	+765		
T. Glor	5625	-1230		
T. Dank Sd	6615	-2420		
T. Abo	7565	-3110	EDE TOPS	
T. Wolfcamp	8965	-4510		
T. Miss. Ls	13620	-9165		
T. Wood Sh.	13945	-9490		
T. Dev.	13695	-9240		

Petroleum Information

R

COUNTY LEA FIELD Anderson Ranch STATE TX

OPR AMOCO PRODUCTION CO. API 30-025-26294

1 LEASE Anderson "3" Com. MAP

Sec 3, T16S, R32E COORD

1830' FSL, 1980' FEL of Sec 9-2-5 NM

6 mi N/Maljamar SPD 5-20-79 CMP 8-13-79

CSG

13 3/8" at 402' w/425 sx
9 5/8" at 4204' w/3850 sx
5 1/2" at 12,635' w/3130 sx

WELL CLASS: INIT D FIN DG ELEV 4329 GL

FORMATION	DATUM	FORMATION	DATUM

TD 12,635' (MRRW) PBD 12,585'

IP (Morrow) Perfs 12,456-463' F 3800 MCFGPD. Pot based on 24 hr test thru 20/64" chk. GOR Dry; gty (NR); CP (NR); TP 3150#

CONTR MGF #25 OPR ELEV 4329' GL PD 12,300' RT

F.R. 4-23-79
(Morrow)

5-25-79 Drlg 3368' sh & anhy
6-1-79 Drlg 5100' lm, sh & sd
6-8-79 Drlg 7739' dolo, sh & sd
6-15-79 Drlg 9115' lm & sh
6-22-79 TD 10,979'; Trip
6-29-79 TD 10,979'; Fsg
7-6-79 TD 10,979'; Fsg
7-13-79 TD 11,461'; SDR
7-20-79 TD 12,357'; Logging
7-25-79 Drlg 12,600' lm, sh & cht
7-30-79 TD 12,635'; WOCT
8-10-79 TD 12,635'; PBD 12,585'; SI
Perf (Morrow) 12,456-463' w/4 SPF
Acid (12,456-463') 150 gals

9-2-5 NM

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-26294-00
PAGE (1) 1
EXPLORATION SYSTEMS SCOUT TICKET(T-3)

SEC: ___2 TWP: 016_S RNG: 032_E

STATE: NM COUNTY: LEA
COMPANY: AMOCO PRODUCTION CO
LEASE: ANDERSON B COMMISSION WELL NO: 1 FIELD: ANDERSON RANCH MORO
LAT: 32.84914 LON: 103.74985

LOCATION NARRATIVE: 1830FS L 1980FE L SEC

SPUD DATE: COMP DATE: ELEV: ELEV: 4425 GR
DRILLERS TD: 12535 LOG TD:

<<CASING>>

13-24/64	@	402	W/	425 SX
09-40/64	@	4204	W/	3650 SX
05-32/64	@	12535	W/	3150 SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>
RE-ENTERED 1979,RE-ENTERED 1979 PRODGAS,NC
SHOW,TP DATA,TREATMENTS,LITH FILE,PRODUCTS
FROM MREV

<<INITIAL POTENTIAL>>

PERFS 12456-12463 WITH/IP OIL: GAS: 3800MCFD SW: FM:MREV
HOUR TEST: 24 CH:20/64 TP: 3150 SITP: GOR: SW:
PERFS WITH/IP OIL: GAS: FM:
HOUR TEST: CH: /64 TP: SITP: GOR: SW:
PERFS WITH/IP OIL: GAS: FM:
HOUR TEST: CH: /64 TP: SITP: GOR:

FORMATION TESTS:

<<TOPS AND(BASES)>>

PI TOPS
GLRT ------ 6705
TUBB ------ 6908
ABO ------ 7570
WFMP ------ 9335

RSLV ------10043
CMYN ------10655
STRN ------11070
ATCK ------11705
MREV ------12300

<<INITIAL POTENTIAL>>

FROM PERF AT 12456-12463 IN THE MREV BY FLOW RECOVERED 3800 MCFD GAS OVER A 24
HOUR PERIOD USING 20/64 INCH CHOKE, TEST PRESSURES; TUBING PRESSURE 3150 PSI
PLUG-BACK TO 12535 FEET

TREATED PERF INTERVAL AT 12456 TO 12463 BY ACID USING 150 GALS ACID
RE-ENTERED: ON 05-20-1979 INITIAL: DEV LEASE CARRIED AS THE AMOCO PROD NUMBER 1
ANDERSON "B" COM

E MI N/MALJAMAR

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-20374-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 2 TWP: 21S RNG: 32E
COMPANY: GULF OIL CORP
LEASE: LEA-STATE COM WELL NO: 4 FIELD: ANDERSON RANCH WOLFC
LAT: 32.99510 LON: 103.73920
LOCATION NARRATIVE: 2640FN L 1980FW L SEC

SPUD DATE: 03-20-1956 COMP DATE: 10-07-1956 ELEV: 4311 DF ELEV: 4297 GR
DRILLERS TD: 13500 LOG TD:

<<CASING>>

13-24/64 @	618 W/	650 SX	
08-40/64 @	4300 W/	3350 SX	
07-00/64 @	13498 W/	1025 SX	
@	W/	SX	
@	W/	SX	

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODUCIL, RE-ENTERED 1957,HC SHOW,IP DATA,PRODUCTION TESTS,FORMATION TESTS,TREATMENTS,PAN: OIL

<<INITIAL POTENTIAL>>

PFS 9356- 9512 WTR/IP OIL: 240BPLS/D GAS: SW: 24 BPLS/D
HOUR TEST: 24 CH:30/64 TP: 100 SITP: GOR: 1025 FM:
PFS 9656- 9863 WTR/IP OIL: 127BPLS/D GAS: SW: 32 BPLS/D
HOUR TEST: 24 CH: /64 TP: SITP: GOR: FM:
PFS - WTR/IP OIL: GAS: SW: FM:
HOUR TEST: CH: /64 TP: SITP: GOR:
FORMATION TESTS: 9706- 9825, 9826- 9980,13220-13445,12444-13480,13499-1348 ,

<<TOPS AND CASES>>

AMOCO-PENN	WFMP 9940	WFMP 9955	ATOK -ZZZ-11816
ANHY 1282	MRSD 12745	MRSD -ZZZ-12020	MRRW -ZZZ-12133
YTES 2482	WOFD 12825	WOFD 13330	CSTR -ZZZ-12382
QUEN 3210	DVNN 13415	DVNN 13420	MPLM -ZZZ-12660
SADR 4072	PI SAMPLE TOPS	INTERPOLATED TOPS	SCLM -ZZZ-12673
GLRT 5483	GLRT 5700	CISCO -ZZZ-10134	BRNT -ZZZ-12769
DEKD 6870	TUBB 6890	CNYN -ZZZ-10627	ELSG -ZZZ-12973
APC 7540	ABC 7650	STRN -ZZZ-11013	

<<INITIAL POTENTIAL>>

FROM PERF AT 9356-9512 BY FLOW RECOVERED 240 BBLS/D OIL 24 BBLS/D WATER OVER A 24 HOUR PERIOD USING 30/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 100 PSI CASING PRESSURE PKR PSI PLUG-BACK TO 9550 FEET, GOR OF 1625 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 42.4
FROM PERF AT 9656-9863 BY FLOW RECOVERED 127 BBLS/D OIL 32 BBLS/D WATER OVER A 24 HOUR PERIOD, TEST PRESSURES: PACKER SET AT 9674 FEET PLUG-BACK TO 9965 FEET

<<PRODUCTION TESTS>>

SWAB PERF AT 13465-13480 RECOVERED 32 BBLS/D WATER OVER A 12 HOUR 30 MIN PERIOD, TEST PRESSURES: PLUG-BACK TO 13482 FEET
SWAB PERF AT 13420-13440 RECOVERED 66 BBLS/D WATER OVER A 27 HOUR PERIOD
SWAB PERF AT 13420-13440 RECOVERED 88 BBLS/D WATER OVER A 6 HOUR PERIOD

<<FORMATION TESTS>>

DST FROM 9706 TO 9825 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR 30 MIN, FLOWED GAS WITH A TIME TO SURFACE OF 14 MINS, RECOVERED 200 FT OIL GAS CUT MUD,RECOVERED 1000 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 175 FIRST FINAL 485, SHUTIN PRESSURES: FINAL SHUT-IN 2720 ON A 15 MIN TEST
DST FROM 9826 TO 9980 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR 45 MIN, FLOWED GAS WITH A TIME TO SURFACE OF 12 MINS, FLOWED 25 BPH OIL WITH A TIME TO SURFACE OF 100 MINS GRAVITY OF RECOVERED FLUID=44.0 GOR OF 700, RECOVERED 650 FT OIL,RECOVERED 150 FT SUL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 750 FIRST FINAL 1225, SHUTIN PRESSURES: FINAL SHUT-IN 3900 ON A 15 MIN TEST
DST FROM 13320 TO 13445 WITH 3000 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 3000 FT WTR CUSH,RECOVERED 30 FT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 1450, SHUTIN PRESSURES: FINAL SHUT-IN 1635 ON A 15 MIN TEST
DST FROM 13444 TO 13480 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 2500 FT WTR CUSH,RECOVERED 225 FT SALT GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 1115, SHUTIN PRESSURES: FINAL SHUT-IN 2060 ON A 15 MIN TEST
DST FROM 13459 TO 13465 WITH 2500 FT WTR CUSH, INITIAL OPEN 30 MIN, RESULTS OF DST: PKER, RECOVERED 2500 FT WTR CUSH,RECOVERED 130 FT SLI GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 1155
DST FROM 13475 TO 13500 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, RECOVERED 2500 FT WTR CUSH,RECOVERED 45 FT GAS CUT MUD SALT WTR,RECOVERED 450 FT SALT WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 1135 FIRST FINAL 1200, SHUTIN PRESSURES: FINAL SHUT-IN 4085 ON A 15 MIN TEST

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-01274-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-31)

STATE: NM COUNTY: LEA SEC: 2 TWP: 016 S RNG: 032 E
COMPANY: GULF OIL CORP
LEASE: LEA-STATE C/A WELL NO: 4 FIELD: ANDERSON RANCH WOLFC
LAT: 32.95510 LON: 103.73930

TREATED PERF INTERVAL AT 13466 TO 13480 BY CLAG USING 500 GALS ACID
TREATED PERF INTERVAL AT 13420 TO 13440 BY CLAG USING 500 GALS ACID
TREATED PERF INTERVAL AT 13420 TO 13440 BY ACID USING 2000 GALS ACID
TREATED PERF INTERVAL AT 13420 TO 13440 BY HYD USING 10000 GALS PROPPED BY 0 SD
TREATED PERF INTERVAL AT 9806 TO 9816 BY ACID USING 2000 GALS ACID
TREATED PERF INTERVAL AT 9806 TO 9816 BY ACID USING 5000 GALS ACID
RAN THE FOLLOWING LOGS: GRL FROM 0 TO 13513 BY SCHL
RE-ENTERED: ON 01-08-1957 LEASE CARRIED AS THE GULF OIL CORP NUMBER 4 LEA-STATE OF A
RECOMPLETED 02-27-1957, INITIAL FIELD, FINAL OIL.

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-00372-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 2 TWP: 21S RNG: 37E
COMPANY: GULF OIL CORP
LEASE: LEA-STATE CR WELL NO: 2 FIELD: ANDERSON RANCH DEVON
LAT: 32.49150 LON: 103.23430
LOCATION NARRATIVE: 330FSL & 1980FEL OF SEC

SPUD DATE: 11-14-1954 COMP DATE: 03-22-1955 ELEV: 4295 DF
DRILLERS TD: 13363 LOG TD:

<<CASING>>

13-24/64 @	623 W/	650 SX
09-40/64 @	4190 W/	2200 SX
05-32/64 @	13342 W/	1025 SX
@	W/	SX
@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODOIL,
RE-ENTERED 1965,RE-ENTERED 1969,HC SHOW,IP
DATA,PRODUCTION TESTS,LOST CIRC,FORMATION
TESTS,TREATMENTS,RAN: ES CONL GRL,PRODUCES
FROM WFMP,ATF DRILL

<<INITIAL POTENTIAL>>

PFS 12290-13330 WTR/IP OIL: 624 BLS/D GAS: SW: 125 BLS/D
HOUR TEST: 5 CH: 00/64 TP: 100 SITP: GOR: 1166 FM:
PFS 9718- 9804 WTR/IP OIL: 103 BLS/D GAS: SW: 21 BLS/D
HOUR TEST: 24 CH: 20/64 TP: 200 SITP: GOR: FM: WFMP
PFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9660- 9760, 9760- 9850, 9850- 9900,

<<TOPS AND(BASES)>>

AMOCO-PENROD	MPLN -----12550	AEC ----- 7600	NRRW -ZZZ-12122
ANHY -----1265	WDFD -----13200	WFMP -----8958	CSTR -ZZZ-12393
YTES -----2460	DVNN -----13290	WDFD -----13215	MSSP -ZZZ-12663
QUEN -----3300	FT TOPS	DVNN -----13290	SCLA -ZZZ-12699
SADE -----4063	ANDR -----1265	INTERPOLATED TOP	BRNT -ZZZ-12819
GLRT -----5640	YTES -----2475	CSCG -ZZZ-10116	ELBG -ZZZ-12840
DRKD -----6840	SADR -----4070	CNYN -ZZZ-10838	
ABO -----7510	GLRT -----5663	STRN -ZZZ-11018	
WFMP -----8910	TUBB -----6950	ATOK -ZZZ-11804	

<<INITIAL POTENTIAL>>

FROM PERF AT 12290-13330 FLOW RECOVERED 624 BBLS/D OIL 125 BBLS/D WATER OVER A 5 HOUR PERIOD USING 1 00/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 100 PSI CASING PRESSURE 850 PSI PACKER SET AT 12177 FEET PLUG-BACK TD 13350 FEET, GOR OF 1166 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 41.8
FROM PERF AT 9718-9804 IN THE WFMP BY FLOW RECOVERED 103 BBLS/D OIL 21 BBLS/D WATER OVER A 24 HOUR PERIOD USING 20/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 200 PSI PLUG-BACK TO 9825 TEST

<<PRODUCTION TESTS>>

SWAB PERF AT 11172-11449 RECOVERED 100 PCT WATER

<<FORMATION TESTS>>

DST FROM 9660 TO 9760 IN THE WFMP INITIAL OPEN 3 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 14 MINS, RECOVERED 450 FT OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 195, SHUTIN PRESSURES: FINAL SHUT-IN 910 ON A 15 MIN TEST
DST FROM 9760 TO 9850 IN THE WFMP WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR 45 MIN, FLOWED 202 MCFD GAS WITH A TIME TO SURFACE OF 5 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 93 MINS, FLOWED 17 BPH OIL WITH A TIME TO SURFACE OF 105 MINS GRAVITY OF RECOVERED FLUID=41.0 GOR OF 495, RECOVERED 5 BBLS OIL,RECOVERED 60 FT OIL, OPEN FLOWING PRESSURES: FIRST FINAL 615, SHUTIN PRESSURES: FINAL SHUT-IN 2765 ON A 15 MIN TEST
DST FROM 9850 TO 9900 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 150 FT OIL GAS CUT MUD,RECOVERED 7450 FT SULPHUR WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 1400 FIRST FINAL 3350, SHUTIN PRESSURES: FINAL SHUT-IN 3350 ON A 15 MIN TEST

TREATED PERF INTERVAL AT 9718 TO 9804 BY ACID USING 6000 GALS ACID
TREATED PERF INTERVAL AT 11172 TO 11449 BY ACID USING 1750 GALS ACID
LOST CIRCULATION AT 13363 FT
RAN THE FOLLOWING LOGS: ES,CONL,GRL FROM 0 TO 13350 BY HALLIB,GRL FROM 9600 TO 10100 BY HALLIB, *** DUMMY ITEM CTL TO CORRECT TOPS ENPROD FLAG

RE-ENTERED: ON 09-12-1965 LEASE CARRIED AS THE GULF OIL CORP NUMBER 2 LEA-STATE CR ACT-
RECOMPLETED 09-19-1965, INITIAL DEV, FINAL OIL.
RECOMPLETED 07-29-1969, INITIAL DEV, FINAL D&A.
ABANDONED IN (DVNN), 09-12-1965. IN (WFMP), 07-29-1969.

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-00356-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 02 TWP: 016S RNG: 032E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 15 FIELD: ANDERSON RANCH DEVON
LAT: 32.94750 LON: 103.73920
LOCATION NARRATIVE: 1980FS L 1980FW L SEC

SPUD DATE: 06-14-1954 COMP DATE: 11-20-1954 ELEV: 4307 DF
DRILLERS TD: 13500 LOG TD:

<<CASING>>

13-24/64	@ 601	W/ 550	SX
08-40/64	@ 4199	W/ 3200	SX
05-32/64	@ 13493	W/ 1475	SX
	@	W/	SX
	@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PDD1OIL,
RE-ENTERED 1957,RE-ENTERED 1962,NO SPCN,IP
DATA,PRODUCTION TESTS,FORMATION TESTS,
TREATMENTS,RAN: ML ES GRNL GRL,PRODUCING FROM
WFMP,ATK DEVL

<<INITIAL POTENTIAL>>

PFS 13380-13420 WITH/IP OIL: 1580BBLS/D GAS: SW:
HOUR TEST: 6 CH: 20/64 TP: 1200 SITP: GOR: 565 FM:
PFS 9682- 9862 WITH/IP OIL: 202BBLS/D GAS: SW: 73BBLS/D
HOUR TEST: 23 CH: 18/64 TP: SITP: GOR: 1546 FM:WFMP
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:

FORMATION TESTS: 9629-9650,11980-12230,13240-13410,13414-13460,13461-1350,

<<TOPS AND CASES>>

AMOCO-FEDTOP	STRN -----10995	MUCC ----- 8935	CSCO -ZZZ-10122
QUEN ----- 3330	MSSP -----12726	MFRM -----12236	ATOK -ZZZ-11901
SADR --- - 4103	MDFC -----13286	MSSP -----12715	CSTR -ZZZ-12421
GLRT ----- 5655	DVNN -----13370	MDFC -----13276	MCL4 -ZZZ-12668
DRKD ----- 5860	PI TOPS	DVNN -----13370	SCL4 -ZZZ-12700
AEC ----- 7540	GLRT ----- 5670	PI SAMPLE TOPS	URNT -ZZZ-12830
WFMP ----- 8925	TUBB ----- 6570	SADR ----- 4160	ELNG -ZZZ-12900
CNYN -----10550	AEC ----- 7624	INTERPOLATED TOPS	

<<INITIAL POTENTIAL>>

FROM PERF AT 13380-13420 BY FLOW RECOVERED 1580 BBLS/D OIL OVER A 6 HOUR PERIOD
USING 20/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 1200 PSI CASING
PRESSURE PKR PSI PACKER SET AT 13340 FEET PLUG-BACK TO 13488 FEET, GOR OF 565
RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 54.0
FROM PERF AT 13380-13420 BY G-LIF RECOVERED 14 BBLS/D OIL 64 MCFD GAS 288 BBLS/D
WATER OVER A 24 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 13420 FEET, GOR OF
4621
FROM PERF AT 9682-9862 IN THE WFMP BY FLOW RECOVERED 202 BBLS/D OIL 73 BBLS/D
WATER OVER A 23 HOUR PERIOD USING 18/64 INCH CHOKE, GOR OF 1546

<<PRODUCTION TESTS>>

SWAB PERF AT 13380-13420

<<FORMATION TESTS>>

DST FROM 9629 TO 9650 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 21 MIN, FLOWED 1648 MCFD GAS WITH A TIME TO SURFACE OF 4 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 15 MINS, FLOWED 72 BPH OIL WITH A TIME TO SURFACE OF 21 MINS, OPEN FLOWING PRESSURES: FIRST INITIAL 1500 FIRST FINAL 2100, SHUTIN PRESSURES: FINAL SHUT-IN 3650 ON A 15 MIN TEST
DST FROM 11980 TO 12235 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 2500 FT WTR CUSH,RECOVERED 40 FT SLI GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 1240, SHUTIN PRESSURES: FINAL SHUT-IN 1680 ON A 15 MIN TEST
DST FROM 13240 TO 13410 WITH 3000 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR 45 MIN, FLOWED CUSH WITH A TIME TO SURFACE OF 70 MINS, FLOWED 880 MCFD GAS WITH A TIME TO SURFACE OF 70 MINS, FLOWED 66 BPH OIL WITH A TIME TO SURFACE OF 55 MINS, OPEN FLOWING PRESSURES: FIRST INITIAL 2475 FIRST FINAL 4275, SHUTIN PRESSURES: FINAL SHUT-IN 5175 ON A 15 MIN TEST
DST FROM 13414 TO 13460 WITH 2000 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR 30 MIN, FLOWED GAS WITH A TIME TO SURFACE OF 180 MINS, RECOVERED 2000 FT WTR CUSH,RECOVERED 220 FT OIL GAS CUT MUD,RECOVERED 1300 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 945 FIRST FINAL 1215, SHUTIN PRESSURES: FINAL SHUT-IN 5130 ON A 15 MIN TEST
DST FROM 13461 TO 13500 RESULTS OF DST: PKR
DST FROM 13445 TO 13500 WITH 2000 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, RECOVERED 2000 FT WTR CUSH,RECOVERED 270 FT OIL GAS CUT MUD,RECOVERED 270 FT OIL, OPEN FLOWING PRESSURES: FIRST FINAL 990, SHUTIN PRESSURES: FINAL SHUT-IN 4505 ON A 15 MIN TEST

TREATED PERF INTERVAL AT 13380 TO 13420 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 13380 TO 13420 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 9682 TO 9862 BY ACID USING 5000 GALS ACID

07/23/80
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AMOCO PRODUCTION COMPANY API NO: 3[illegible]

EXPLORATION SYSTEMS SCOUT TICKET(T-3)

SEC: 2 TWP: 016-S RNG: 032-E

STATE: NM COUNTY: LEA
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 15 FIELD: ANDERSON RANCH DEVON
LAT: 32.94790 LON: 103.73920

DRILLING PROBLEMS: HOLE IN 5-32 CSG SQZD 3259X
RAN THE FOLLOWING LOGS: ML,ES,GRNL,GRL FROM 2500 TO 13480 BY LANE, *** DUMMY PGM
CTL TO CORRECT TOPS &PROD FLAG

RE-ENTERED: ON 09-22-1957 LEASE CARRIED AS THE CONTINENTAL OIL CO. NUMBER 15
ANDERSON RANCH UNIT
RECOMPLETED 10-15-1957, INITIAL FIELD, FINAL OIL.
RECOMPLETED 03-26-1962, INITIAL FIELD, FINAL OIL.
ABANDONED MM-YY-19MM.

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-00363-00
PAGE (1) 1 EXPLORATION SYSTEMS SCOUT TICKET (T-3)

SEC: 2 TWP: 21S RNG: 32E

STATE: NM COUNTY: LEA
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 7 FIELD: ANDERSON RANCH DEVON
LAT: 32.54430 LON: 103.73480

LOCATION NARRATIVE: 660FS L 1980FE L SEC

SPUD DATE: 11-20-1953 COMP DATE: 05-14-1954 ELEV: 4316 DF
DRILLERS TD: 13563 LOG TD:

<<CASING>>

13-24/64 @	615	W/	850 SX
09-40/64 @	4207	W/	4825 SX
05-32/64 @	13567	W/	1970 SX
@		W/	SX
@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODUCIL,
RE-ENTERED 1971,PC SHOW,IP DATA,TREATMENTS,
RAN: GRNL GRL,PRODUCES FROM DVNN,PRODUCES
FROM WRRK,ATR DRILL

<<INITIAL POTENTIAL>>

PFS 13325-13430 WITH/IP OIL: 760BBLS/D GAS: SW:
HOUR TEST: 6 CH:32/64 TP: 350 SITP: GOR: 666 FM:DVNN
PFS 12103-12140 WITH/IP OIL: GAS: 2122MCFD SW:
HOUR TEST:101 CH: /64 TP: SITP: GOR: 84800 FM:WFMP
PFS WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:

FORMATION TESTS: 9611-9738, 9725-9850, 13155-13426, 13483-13568,

<<TOPS AND BASES>>

PI TOPS		BEND -----12090	DRKD -ZZZ- 6856	CSTR -ZZZ-12456	
SADR -----	4160	WFMP -----12189	AEC -ZZZ- 6856	WFLM -ZZZ-12666	
GLST -----	5662	WSSP -----12657	PSCC -ZZZ-10136	SCLM -ZZZ-12762	
TUBB -----	6941	WCFD -----13224	CNYN -ZZZ-10608	BRNT -ZZZ-12918	
ABO -----	7592	DVNN -----13311	STRN -ZZZ-11056	ELBG -ZZZ-12922	
HUCO -----	8925	INTERPOLATED TOP	ATCK -ZZZ-11211		

<<INITIAL POTENTIAL>>

FROM PERF AT 13325-13430 IN THE DVNN BY FLOW RECOVERED 760 BBLS/D OIL OVER A 6 HOUR PERIOD USING 32/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 350 PSI PLUG-BACK TO 13519 FEET, GOR OF 666 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 54.0

FROM PERF AT 12103-12140 IN THE WFMP BY FLOW RECOVERED 2122 MCFD GAS OVER A 101 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 12300 FEET ABSOLUTE CALCULATED OPEN FLOW 2122M MCFD, SOME POINT TEST RESULTS-FIRST POINT: FLOWED 360 MCFD FLOWING TUBING PRESSURE 3274 PSI SECOND POINT: FLOWED 665 MCFD FLOWING TUBING PRESSURE 1472 PSI FORTH POINT: FLOWED 1360 MCFD FLOWING TUBING PRESSURE 1125 PSI, GOR OF 84800 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 46.6, WATER ANALYSIS RESULTS: GRAVITY OF GAS-.705

<<FORMATION TESTS>>

DST FROM 9611 TO 9738 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 90 FT MUD

DST FROM 9725 TO 9850 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, FLOWED 1360 MCFD GAS WITH A TIME TO SURFACE OF 13 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 47 MINS, FLOWED 38 BPH OIL, RECOVERED 180 FT OIL GAS SUL WTR CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 1975, SHUTIN PRESSURES: FINAL SHUT-IN 3560 ON A 15 MIN TEST

DST FROM 13155 TO 13426 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 5 HOUR 20 MIN, FLOWED 203 MCFD GAS WITH A TIME TO SURFACE OF 17 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 20 MINS, FLOWED 75 BPH OIL, RECOVERED 6000 FT OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 1050 FIRST FINAL 2560, SHUTIN PRESSURES: FINAL SHUT-IN 5100 ON A 15 MIN TEST

DST FROM 13483 TO 13568 WITH 2990 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, RECOVERED 2990 FT SALT WTR CUSH, RECOVERED 930 FT GAS CUT MUD, RECOVERED 6555 FT SALT WTR, OPEN FLOWING PRESSURES: FIRST FINAL 4680, SHUTIN PRESSURES: FINAL SHUT-IN 5175 ON A 15 MIN TEST

TREATED PERF INTERVAL AT 13325 TO 13430 BY ACID USING 1000 GALS ACID
RAN THE FOLLOWING LOGS: CBNL,GRL FROM 4100 TO 13570 BY PGAC, *** DUMMY PGS CTL TO CORRECT TOPS EMBED FLAG

RE-ENTERED: LEASE CARRIED AS THE CONTINENTAL OIL CO. NUMBER 7 ANDERSON RANCH UNIT
RECOMPLETED 04-17-1971, INITIAL DEV, FINAL GSC.
ABANDONED IN (DVNN), 04-17-1971.

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-00586-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 11 TWP: 21S RNG: 32E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 3 FIELD: ANDERSON RANCH DEVON
LAT: 32.48040 LON: 103.73DE)
LOCATION NARRATIVE: 660FN L 660FE L SEC

SPUD DATE: 05-02-1957 COMP DATE: 09-30-1957 ELEV: 4315 DF
DRILLERS TD: 13540 LOG TD:

<<CASING>>

13-24/64	@ 550	W/ 500	SX
09-40/64	@ 4222	W/ 2575	SX
05-32/64	@ 13540	W/ 1512	SX
	@	W/	SX
	@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PROD'L OIL,
RC=ENTERED 1965,RE=ENTERED 1970,NC SHOW, ID
DATA,PRODUCTION TESTS,FORMATION TESTS,
TREATMENTS,SAN: ES GRNL OIL,PRODUCES FROM
MORW,PRODUCES FROM WFMP,AIR DRILL

<<INITIAL POTENTIAL>>

PFS 13370-13537 WITH/IP OIL: 1000BLS/D GAS: SW:
HOUR TEST: 6 CH: 20/64 TP: 140 SITP: GOR: 943 FM:
PFS 12148-12207 WITH/IP OIL: 226BBLS/D GAS: 3123MCFD SW:
HOUR TEST: 96 CH: /64 TP: SITP: GOR: 5230 FM:MORW
PFS 9717- 9795 WITH/IP OIL: 15BBLS/D GAS: GW: 10BBLS/D
HOUR TEST: 24 CH: /64 TP: SITP: GOR: 105 FM:WFMP
FORMATION TESTS: 9710- 9915, 9920-10025,12140-12170,13120-13485,

<<TOPS AND BASES>>

AMOCO-PENTOP	PI TOPS	BCSC ----- 12134	ATOK -ZZZ-11915
SADE ----- 4220	ANDE ----- 1408	MSRL ----- 12334	MORW -ZZZ-12248
GLRT ----- 5680	SALT ----- 1420	MSSP ----- 12700	CSTR -ZZZ-12481
ORKD ----- 6860	YTES ----- 2560	MDFD ----- 13264	SCL1 -ZZZ-12816
ABO ----- 7915	SA96 ----- 1191	DVNN ----- 13354	BL1G -ZZZ-12935
WFMP ----- 8635	GLRT ----- 5680	INTERPOLATED TOPS	BPNT -ZZZ-12994
MPLM ----- 12700	TUBB ----- 6355	CSCF -ZZZ-10146	PI BASES
WOFD ----- 13266	ABO ----- 7405	CNYN -ZZZ-10963	SALT ----- 2765
DVNN ----- 13354	PLCO ----- 8015	STRN -ZZZ-11132	

<<INITIAL POTENTIAL>>

FROM PERF AT 13370-13537 BY FLOW RECOVERED 1000 BBLS/D OIL OVER A 6 HOUR PERIOD USING 20/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 1400 PSI CASING PRESSURE 900 PSI PLUG-BACK TD 13557 FEET, GOR OF 943 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 54.0
FROM PERF AT 12148-12207 IN THE MORW BY FLOW RECOVERED 226 BBLS/D OIL 3123 MCFD GAS OVER A 96 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TD 13010 FEET ABSOLUTE CALCULATED OPEN FLOW 31234 MCFD, FOUR POINT TEST RESULTS-FIRST POINT: FLOWED 567 MCFD FLOWING TUBING PRESSURE 2250 PSI SECOND POINT: FLOWED 1078 MCFD FLOWING TUBING PRESSURE 1830 PSI THIRD POINT: FLOWED 1667 MCFD FLOWING TUBING PRESSURE 1478 PSI FORTH POINT: FLOWED 2587 MCFD FLOWING TUBING PRESSURE 790 PSI, GOR OF 5230 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 52.4, WATER ANALYSIS RESULTS: GRAVITY OF GAS=.736
FROM PERF AT 9717-9795 IN THE WFMP BY PUMP RECOVERED 15 BBLS/D OIL 10 BBLS/D WATER OVER A 24 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TD 9900 FEET, GOR OF 105 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 41.2

<<PRODUCTION TESTS>>

SWAN PERF AT 13507-13537
FROM PERF AT 13370-13537 BY FLOW RECOVERED 250 BBLS OIL OVER A 6 HOUR PERIOD
FROM PERF AT 12148-12207 IN THE MORW BY FLOW RECOVERED 18 BBLS OIL 3 BBLS/D WATER OVER A 3 HOUR PERIOD USING 48/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 50 PSI

<<FORMATION TESTS>>

DST FROM 9710 TO 9915 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR 20 MIN, FLOWED GAS WITH A TIME TO SURFACE OF 3 MINS, FLOWED 45 BPH OIL WITH A TIME TO SURFACE OF 22 MINS, OPEN FLOWING PRESSURES: FIRST FINAL 2250, SHUTIN PRESSURES: FINAL SHUT-IN 2950 ON A 15 MIN TEST
DST FROM 9920 TO 10025 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 30 MIN, RECOVERED 330 FT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 100 FIRST FINAL 150, SHUTIN PRESSURES: FINAL SHUT-IN 650 ON A 15 MIN TEST
DST FROM 12140 TO 12170 WITH 2300 FT ATR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, FLOWED 6500 MCFD GAS, FLOWED 30 BPH OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 2650 FIRST FINAL 2550, SHUTIN PRESSURES: FINAL SHUT-IN 5050 ON A 002 HOUR TESTUSING A 0-32/64 INCH TOP CHOKE
DST FROM 13120 TO 13485 WITH 2500 FT ATR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR 20 MIN, RECOVERED 2500 FT ATR CUSH,RECOVERED 2172 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 2550 FIRST FINAL 3375, SHUTIN PRESSURES: FINAL SHUT-IN 5300 ON A 15 MIN TEST

AMOCO PRODUCTION COMPANY API NO: 30-025-00385-00

EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 3 SEC: 11 TWP: 21S RNG: 32E
FIELD: WOLFCAMP RANCH DEVON
LAT: 32.94060 LON: 103.73050

TREATED PERF INTERVAL AT 13507 TO 13537 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 13370 TO 13537 BY ACID USING 1500 GALS ACID
TREATED PERF INTERVAL AT 12143 TO 12207 BY ACID USING 250 GALS ACID
TREATED PERF INTERVAL AT 12143 TO 12207 BY CLAG USING 4000 GALS ACID
TREATED PERF INTERVAL AT 9822 TO 9854 BY ACID USING 2500 GALS ACID
RAN THE FOLLOWING LOGS: RS,GRNL,GRI FREQ 2490 TO 13534 BY WELEX, *** DUMMY PGM
CTL TO CORRECT TOPS ENERGY FLAG

RE-ENTERED: LEASE CARRIED AS THE CONTINENTAL OIL CO. NUMBER 3 ANDERSEN RANCH UNIT
RECOMPLETED 08-18-1969, INITIAL DEV, FINAL G&C.
RECOMPLETED 08-02-1970, INITIAL DEV, FINAL CTL.
ABANDONED 08-18-1959, IN (MERW), 07-07-1970.

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-03384-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 11 TWP: 21S RNG: 32E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 2 FIELD: ANDERSON RANCH DEVON
LAT: 32.6406 LON: 103.7392)
LOCATION NARRATIVE: 660FN L 1980FW L SEC

SPUD DATE: 05-11-1953 COMP DATE: 11-04-1957 ELEV: 4321 DF
DRILLERS TD: 13703 LOG TD:

<<CASING>>

13-24/64	@ 556	W/ 500	SX
09-40/64	@ 4214	W/ 4405	SX
05-32/64	@ 13700	W/ 1675	SX
	@	W/	SX
	@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODOIL,
RE-ENTERED 1969,PC SHOW,IP DATA,PRODUCTION
TESTS,FORMATION TESTS,TREATMENTS,RAN: ES GRNL
GRL,VELOCITY FILE,PRODUCES FROM WFMP,DIR DRILL

<<INITIAL POTENTIAL>>

PFS 13382-13493 WITH/IP OIL: 1288BBLS/D GAS: SW:
HOUR TEST: / CH: 25/64 TP: 500 SITP: GOR: 372 FM:
PFS 9785- 9859 WITH/IP OIL: 500BBLS/D GAS: SW: 100BLS/D
HOUR TEST: 24 CH: 19/64 TP: 350 SITP: GOR: FM: WFMP
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9550-9871,12070-12212,12447-12665,13180-13546,13664-1370 ,

<<TOPS AND(BASES)>>

AMOCO-REDTOP	ANDR ----- 1227	MSSP -----12700	SCLM -222-12750)
SADR ----- 4210	SALT ----- 1411	WDFD -----13266	GRNT -222-12911
GLRT ----- 5675	YTES ----- 2550	DVNN -----13376	BL3G -222-12947
DRKO ----- 6660	SADR ----- 4177	INTERPOLATED TOP	SLDV -222-13664
ABO ----- 7530	GLRT ----- 5673	CSCC -222-10120	FSLM -222-13702
WFMP ----- 8950	TUCO ----- 6960	CNYN -222-10602	PI BASES
MPLM -----12700	AFC ----- 7602	STRN -222-11020	SALT ----- 2300
WDFD -----13200	WFMP ----- 8945	ATOK -222-11782	
DVNN -----13350	BEND -----12100	MRRW -222-12536	
PI TOPS	MISL -----12217	CSTR -222-12461	

<<INITIAL POTENTIAL>>

FROM PERF AT 13382-13493 BY FLOW RECOVERED 1288 BBLS/D OIL OVER A 6 HOUR PERIOD USING 25/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 500 PSI CASING PRESSURE 700 PSI PLUG-BACK TO 13465 FEET, GOR OF 372 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 54.0
FROM PERF AT 9785-9859 IN THE WFMP BY FLOW RECOVERED 500 BBLS/D OIL 10 BBLS/D WATER OVER A 24 HOUR PERIOD USING 19/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 350 PSI PLUG-BACK TO 9870 FEET

<<PRODUCTION TESTS>>

SWAB PERF AT 13382-13493 RECOVERED 100 BBLS OIL OVER A 10 HOUR PERIOD
FROM PERF AT 13382-13493 BY FLOW RECOVERED 200 BBLS OIL OVER A 3 HOUR 40 MIN PERIOD USING 40/64 INCH CHOKE

<<FORMATION TESTS>>

DST FROM 9650 TO 9871 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR 55 MIN, FLOWED 1225 MCFD GAS WITH A TIME TO SURFACE OF 15 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 75 MINS, FLOWED 25 BPH OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 2450 FIRST FINAL 2250, SHUTIN PRESSURES: FINAL SHUT-IN 3350 ON A 15 MIN TEST
DST FROM 12070 TO 12212 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 5 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 125 MINS, RECOVERED 2500 FT WTR CUSH,RECOVERED 294 FT HVY GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 1400, SHUTIN PRESSURES: FINAL SHUT-IN 3725 ON A 15 MIN TEST
DST FROM 12447 TO 12665 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 2500 FT WTR CUSH,RECOVERED 60 FT MUD, SHUTIN PRESSURES: FINAL SHUT-IN 1450 ON A 15 MIN TEST
DST FROM 13180 TO 13546 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, RECOVERED 2500 FT WTR CUSH,RECOVERED 5190 FT HVY OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 1700 FIRST FINAL 3825, SHUTIN PRESSURES: FINAL SHUT-IN 3650 ON A 15 MIN TEST
DST FROM 13664 TO 13703 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 10 MIN, RECOVERED 2500 FT WTR CUSH,RECOVERED 198 FT MUD,RECOVERED 1600 FT SUL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 1400 FIRST FINAL 1975, SHUTIN PRESSURES: FINAL SHUT-IN 5200 ON A 15 MIN TEST

<<CORE INFORMATION>>

TOOK CORES: 13327 TO 13344 RECOVERED 12.1 FT LITHOLOGY-(SSH), 13344 TO 13386 RECOVERED 48.0 FT DETAILED DESCRIPTION OF 30.00 LITHOLOGY-(SH) DETAILED DESCRIPTION OF 18.00 LITHOLOGY-(DOL DOL) DETAILED DESCRIPTION OF 1.0) LITHOLOGY-(DOL DOL), 13386 TO 13431 RECOVERED 44.0 FT LITHOLOGY-()DOL) DETAILS

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-05584-00
PAGE (2) 1

EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 11 TWP: 016_S RNG: 032_E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 2 FIELD: ANDERSON RANCH DEVON
LAT: 32.94060 LON: 103.73920

ZONE-(TYPE: GU), 13431 TO 13480 RECOVERED 43.0 FT LITHOLOGY-(DOCL) POROUS ZONE-(TYPE: GU) SHOWS-(GOOD STNFL), 13488 TO 13513 RECOVERED 26.0 FT LITHOLOGY-(DOCL) POROUS ZONE-(TYPE: GU) SHOWS-(FAIR STNFL), 13600 TO 13655 RECOVERED 52.0 FT LITHOLOGY-(DOCL) POROUS ZONE-(TYPE: GU) SHOWS-(BLED OIL BLED G&W), 13655 TO 13703 RECOVERED 48.0 FT LITHOLOGY-(DOCL) SHOWS-(SLI O-ODR SLI G-ODR)

TREATED PERF INTERVAL AT 13382 TO 13493 BY CLAG USING 1000 GALS ACID
TREATED PERF INTERVAL AT 13382 TO 13493 BY ACID USING 4000 GALS ACID
TREATED PERF INTERVAL AT 9785 TO 9959 BY ACID USING 4000 GALS ACID
RAN THE FOLLOWING LOGS: ES,GRNL,GRL FROM 4216 TO 13766 BY SCHL, SDL FROM 2400 TO 13680 BY WESTN, *** DUMMY PGM CTL TO CORRECT TOPS ENDED FLAG *** DUMMY PGM CTL TO CORRECT CORED INT DEPTHS BEGAN

RE-ENTERED: LEASE CARRIED AS THE CONTINENTAL OIL CO. NUMBER 2 ANDERSON RANCH UNIT
RECOMPLETED 12-17-1969, INITIAL DEV, FINAL OIL.
ABANDONED 12-17-1969.

FORM 511 10-45 Dist. 4-SA

SCOUT TICKET

OUR No. 6341

COUNTY Lea (1-1/2 miles N of Stanolind Lease No. 6944?)

STATE New Mexico (Wildcat)

ELEV. 4315

OPERATOR Continental

FARM Anderson Ranch Unit WELL NO. 1

SEC. 11 T. 16 S R. 32 E

SEC. BLK. SURVEY

LOC. 1980 FR. N FR. S 1980 FR. E FR. W

SPUD 6-7-52 COMP. 4-4-53 T.D. 13221 PB. 13500

CONTRACTOR Kerr TP 13,504

SHOT A/1500

T. AN. PROD. IP F 1944 BOPD

T. SALT GOR. 2348 GR. 54

B. SALT PRESSURE: CASING 2250 TUBING 750

T. YATES 2515 REMARKS: 3/4" CK 24 hr 1474

T. GRAYBURG F 4280 BO

T. S. A. 4214 (Cum 3?) Perf 4214-410

T. GLOR. 5680 " 264 4282-472

T. C. F. T.Ab. 7595

T. TUBBS 6855

T. MISS. 12200 TWOK & 330

T. DEV. 13365 - DR mud cut 1 hr 42' 3 bbl

T. SIL. 4TK - Mason 13,350

T. MONTOYA

T. SIMPSON Wood 13270

T. ELLEN

13 3/4 379 350

9 5/8 4189 3330

2" 12250 1060

5" Liner 12222-13511 100

5-28-52	RURT. 14000' test.
JUN 2 1952	~
JUN 11 1952	@ 200 SH.
JUN 18 1952	TU 3/8" Ho Full
JUN 25 1952	@ 2725 SH.
JUL 1 1952	@ 4160 Anh Lm
JUL 9 1952	@ 4972 Lm
	DST 4650-807
	OP 1/5
	Rec 30' M
JUL 16 1952	[illegible]
	[illegible]
JUL 30 1952	@ 6625 Lm SH.
AUG 4 1952	@ 7156 Lm Sh
	DST 5725-5985
	OP 1/4 Wk Blow
	Rec 25 MW
	P-O
AUG 13 1952	TD 13221 DST
	DST 12,951-13,221
AUG 20 1952	TD 13221
	DST [illegible]
	OP 1/30
	Rec [illegible]
	DST [illegible]
	OP 3/30 Gas to MISS
	O.C.S.
	[illegible]
	Rec [illegible]
	[illegible]
	DST [illegible]
	[illegible]
	[illegible]
	Rec [illegible]
AUG 27 1952	[illegible]
SEP 3 1952	[illegible]

LOG

SEP 10	1952	[illegible]	Ch.		
SEP 17	1952	[illegible]	Sd. Sh.		
SEP 24	1952	[illegible]	Sd. Sh.	[illegible]	
		[illegible]	-170		
		[illegible]	[illegible]	[illegible]	
		[illegible]	[illegible]	[illegible]	
		[illegible]	[illegible]	[illegible]	
		[illegible]	[illegible]	[illegible]	
OCT 1	1952	[illegible]	[illegible]	[illegible]	
		[illegible]			
OCT 8	1952	[illegible]	Sd. Sh.	MA Rig	
OCT 15	1952	[illegible]	Sd. Sh.	RURT.	
OCT 22	1952	[illegible]	Sd. Sh.	Fish for sidepipe	
OCT 29	1952	✓			
NOV 5	1952	✓			
NOV 12	1952	✓			
NOV 19	1952	✓			
NOV 26	1952	✓			
DEC 3	1952	✓			
DEC 10	1952	[illegible]	Sd. Sh.	Rig. @ 11,758	
DEC 17	1952	[illegible]	Sd. Sh.		
		[illegible]	[illegible]	[illegible]	
		[illegible]	[illegible]	[illegible]	
		[illegible]	[illegible]	[illegible]	
DEC 22	1952	[illegible]	[illegible]	[illegible]	
		[illegible]			
JAN 6		[illegible]			
JAN 14	1953	[illegible]			
		[illegible]			
		[illegible]	G 1905	✓	
		[illegible]	[illegible]	[illegible]	
		[illegible]	[illegible]	15K 3350	
JAN 21	1953	[illegible]			
JAN 28	1953	[illegible]			
FEB 3	1953	[illegible]			
FEB 11	1953	[illegible]			
FEB 18	1953	[illegible]			
FEB 25	1953	[illegible]			
MAR 4	1953	[illegible]			
MAR 11	1953	[illegible]			
		[illegible]		SLM 12437 - [illegible]	
		[illegible]	3503 WR	[illegible]	
		[illegible]	[illegible]	[illegible]	
		[illegible]	[illegible]	[illegible]	

TOPS	
PANHY	1290 + [illegible]
T. YATES	2540 + 1775
T. QUEEN	3290 + [illegible]
T.S.A.	4215 + 100
T. GLORIETA	5670 - [illegible]
T. PADDOCK	6855 - 2540
T. ABO	7505 - 3190
T. WOLFCAMP	8930 - 4615
T. PENN	9950 ? - 5535
T. MISS. LS.	12700 - 8285
T. WOODFORD SH.	13270 - 8955
T. DEV.	13366 - 9051

ORR 511 10-45

SCOUT TICKET

OUR NO.

ELEV.

COUNTY

STATE

OPERATOR Continental

FARM Keasler Unit WELL NO. 1

SEC. T. R.

SEC. BLK. SURVEY

LOC. FR. N FR. S FR. E. FR. W

SPUD. COMP. T.D. PB

CONTRACTOR TP

SHOT

T. AN. PROD. IP

T. SALT GOR. GR.

B. SALT PRESSURE: CASING TUBING

T. YATES REMARKS:

T. GRAYBURG

T. S. A.

T. GLOR.

T. C. F. P&A 00 (2)

T. TUBBS

T. MISS.

T. DEV.

T. SIL.

T. MONTOYA

T. SIMPSON

T. ELLEN

Mar 6 1953	Spudded 8 PM Set 8 5/8 @ 512 w/ 400 sx Circ 40 sx WOC 18 hrs Test to 1000# OK
MAR 25 1953	Drilling 6 1/4 @ DST 13550-642 op 1/45 2500 MB Rec MB + 315' SGCM FP 1250 1250
APR 1 1953	TD 13655 LM PB 13574 Run Logs DST 13550-725 op 2/15 Rec 2500 MW - 2000 SW FP 1600-2500 1600-2500
APR 8 1953	TD 13775 LM PB 13504 Set 10 4 13374-400 " 2 64 13112-174 Nipple Flow 20 Hr 3/4 CK TP 500 CP 0 Gas 1653 MCFGPD

EXPLORATION SYSTEMS SCOUT TICKET(T-S)

STATE: NM COUNTY: LEA SEC: 11 TWP: 21S RNG: 32E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 1 FIELD: ANDERSON RANCH DEVON
LAT: 32.63760 LON: 103.73490
LOCATION NARRATIVE: 1980FN L 1980FE L SEC

SPUD DATE: 06-09-1952 COMP DATE: 04-04-1953 ELEV: 4315 MS
DRILLERS TD: 13775 LOG TD:

<<CASING>>

13-24/64 @ 379 W/ 350 SX
09-40/64 @ 4189 W/ 2525 SX
07-00/64 @ 12250 W/ 1000 SX
05-00/64 @ 13541 W/ 100 SX
@ W/ SX

<<CONDENSED WELL SUMMARY>>

INITIAL:AC,FINAL:OIL,WELL CLASS: PRODOIL,
BLOWOUT,NO SHOW,IP DATA,PRODUCTION TESTS,
FORMATION TESTS,TREATMENTS,RAN: LL ML FS GRN
PALEO SPEL GRL,WITH FILE

<<INITIAL POTENTIAL>>

PFS 13374-13474 WITH/IP OIL: 1968.3BLS/D GAS: SW:
HOUR TEST: @ CH:20/64 TP: 750 SITP: GOR: 248 FW:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FW:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FW:
FORMATION TESTS: 4650-4807, 8935-9048, 9525-9620, 9750-9834, 9934-990,

<<TOPS AND(BASES)>>

AMOCO-REDTOP	PI TOPS	CLEK ------ 6250	SVRV -ZZZ- 2785
ABRY ----- 1200	YTES ------ 2945	FLEK ------ 6665	CSCU -ZZZ-10121
YTES ------ 2941	SADR ------ 4214	APC ------ 7577	CNYN -ZZZ-10652
QUEN ------ 3390	TUBB ------ 6356	HUCC ----- 8930	STPN -ZZZ-11093
SADR ------ 4315	ABC ------ 7595	PSLV ------ 9315	ATOK -ZZZ-11765
GLRT ------ 5670	HUCC ------ 8930	MPLM ------12703	CSTR -ZZZ-12460
DEKD ------ 6855	MPBK -----12250	WOFD ------13270	SCLM -ZZZ-12799
ABC ------ 7605	WSSD ------12700	DVNN ------13366	FLRG -ZZZ-12995
WFMP ------ 8930	WOFD ------13270	COMMERCIAL PALEO	BLBG -ZZZ-13274
PSLV ----- 9460	DVNN ------13766	ABMP -1ST- 8960	PRNT -ZZZ-13982
MPLM -----12700	GEOMAP TOPS	DSMSL-1ST-11320	SLDV -ZZZ-13697
WOFD -----13270	BASE ----- 4214	INTERPOLATED TOP	
DVNN -----13764	GLRT ------ 5673	PSLR -ZZZ- 1912	

<<INITIAL POTENTIAL>>

FROM PERF AT 13374-13474 BY FLOW RECOVERED 1968 BBLS/D OIL OVER A 4 HOUR PERIOD USING 30/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 750 PSI CASING PRESSURE 250 PSI PLUG-BACK TO 13509 FEET,WGR OF 248 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 39.3

<<PRODUCTION TESTS>>

FROM PERF AT 13374-13474 BY FLOW RECOVERED 162 BBLS OIL 1653 MCFD GAS OVER A 1 HOUR PERIOD USING 48/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 500 PSI

<<FORMATION TESTS>>

DST FROM 4650 TO 4807 WITH A 1-00/64 INCH TOP C-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 45 MIN, RECOVERED 30 FT MUD NS

DST FROM 8935 TO 9048 WITH A 1-00/64 INCH TOP C-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 25 FT MUD NS

DST FROM 9525 TO 9620 WITH A 1-00/64 INCH TOP C-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 30 MIN, RECOVERED 900 FT MUD NS

DST FROM 9750 TO 9834 WITH A 1-00/64 INCH TOP C-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR 30 MIN, FLOWED 895 MCFD GAS WITH A TIME TO SURFACE OF 5 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 85 MINS, FLOWED 25 BPH OIL WITH A TIME TO SURFACE OF 65 MINS GRAVITY OF RECOVERED FLUID=42.5, OPEN FLOWING PRESSURES: FIRST INITIAL 750 FIRST FINAL 1150, SHUTIN PRESSURES: FINAL SHUT-IN 3600 ON A 30 MIN TEST

DST FROM 9834 TO 9904 WITH A 1-00/64 INCH TOP C-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 10 MINS, RECOVERED 450 FT HVY OIL GAS CUT MUD,RECOVERED 120 FT OIL,RECOVERED 30 FT SALT SUL WTR, OPEN FLOWING PRESSURES: FIRST FINAL 325, SHUTIN PRESSURES: FINAL SHUT-IN 1400 ON A 30 MIN TEST

DST FROM 10230 TO 10312 WITH A 1-00/64 INCH TOP C-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 30 MIN, RECOVERED 4770 FT SLI GAS CUT SUL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 350 FIRST FINAL 2950, SHUTIN PRESSURES: FINAL SHUT-IN 3600 ON A 30 MIN TEST

DST FROM 10850 TO 10934 WITH 2000 FT WTR CUSH, INITIAL OPEN 35 MIN, RECOVERED 2000 FT WTR CUSH,RECOVERED 15 FT MUD NS, OPEN FLOWING PRESSURES: FIRST FINAL 1000, SHUTIN PRESSURES: FINAL SHUT-IN 1250 ON A 20 MIN TEST

DST FROM 12435 TO 12578 WITH A 1-00/64 INCH TOP C-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 65 MINS, RECOVERED 3510 FT SLI GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 1025 FIRST FINAL 1175, SHUTIN PRESSURES: FINAL SHUT-IN 3350 ON A 15 MIN TEST

EXPLORATION SYSTEMS SCOUT TICKET(T-2)

STATE: NM COUNTY: LEA SEC: 11 TWP: 016 S RNG: 032 E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 1 FIELD: ANDERSON RANCH DEVON
LAT: 32.937CC LON: 103.7348

DST FROM 13263 TO 13408 WITH 250 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 13 HOUR OF MIN, FLOWED 613 MCFD GAS WITH A TIME TO SURFACE OF 92 MINS, FLOWED CUSH WITH A TIME TO SURFACE OF 93 MINS, FLOWED 37 BPH OIL GRAVITY OF RECOVERED FLUID-54.4 GOR OF 687, OPEN FLOWING PRESSURES: FIRST INITIAL 2575 FIRST FINAL 4050, SHUTIN PRESSURES: FINAL SHUT-IN 5275 ON A 15 MIN TEST

DST FROM 13415 TO 13513 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 4 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 180 MINS, RECOVERED 2500 FT WTR CUSH,RECOVERED 1300 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 1400 FIRST FINAL 3650, SHUTIN PRESSURES: FINAL SHUT-IN 6100 ON A 15 MIN TEST

DST FROM 13550 TO 13642 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 45 MIN, RECOVERED 2500 FT WTR CUSH,RECOVERED 315 FT SLI GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 1350, SHUTIN PRESSURES: FINAL SHUT-IN 4900 ON A 15 MIN TEST

DST FROM 13635 TO 13775 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR 15 MIN, RECOVERED 2500 FT WTR CUSH,RECOVERED 1100 FT SALT WTR CUT MUD,RECOVERED 8400 FT SALT WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 1675 FIRST FINAL 5425, SHUTIN PRESSURES: FINAL SHUT-IN 5550 ON A 15 MIN TEST

<<CORE INFORMATION>>

TOOK CORES: 12175 TO 12191 DETAILED DESCRIPTION OF.25 LITHOLOGY-(SH) DETAILED DESCRIPTION OF.25 LITHOLOGY-(CONG CONG), 12197 TO 12209 LITHOLOGY-(SSD)

TREATED PERF INTERVAL AT 13374 TO 13474 BY CLAC USING 1500 GALS ACID
BLOWOUT AT 12191WHILE AT 12170 CAUGHT FIRE
RAN THE FOLLOWING LOGS: IL,ML,BS,GRNL,PALEO BY PALEOL,SPLL BY PERMBS,GRL FROM 0 TO 13770 BY SCHL,GRL FROM 0 TO 13510 BY WELEX

RE-ENTERED WITH TD IN THE CVNN

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-00394-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 15 TWP: 016S RNG: 032E
COMPANY: CONTINENTAL OIL CO.
LEASE: STATE 015 WELL NO: 1 FIELD: ANDERSON RANCH WOLFC
LAT: 32.92260 LON: 103.7521)
LOCATION NARRATIVE: 1980FN L 1980FE L SEC

SPUD DATE: 02-07-1952 COMP DATE: 08-26-1952 ELEV: 4324 MS
DRILLERS TD: 13650 LOG TD:

<<CASING>>

13-24/64 @	534 W/	500 SX	
09-40/64 @	4221 W/	1500 SX	
07-00/64 @	12433 W/	975 SX	
@	W/	SX	
@	W/	SX	

<<CONDENSED WELL SUMMARY>>

INITIAL:AC,FINAL:OIL,WELL CLASS: PRODOIL,RE-ENTERED 1954,FC SHOW,IP DATA,PRODUCTION TESTS, FORMATION TESTS,TREATMENTS,RAN: ES GRAL PALED SPLL,PRODUCES FROM PSLV,AIR DRILL

<<INITIAL POTENTIAL>>

PFS 9840- 9869 WITH/IP OIL: 501 BBLS/D GAS: SW:
HOUR TEST: 8 CH:40/64 TP: 100 STP: GOR: 564 FM:
PFS 12362-12401 WITH/IP OIL: 20 BBLS/D GAS: SW:
HOUR TEST: 24 CH:20/64 TP: 50 STP: GOR:TSTM000 FM:PSLV
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: STP: GOR: FM:
FORMATION TESTS: 8990- 9069, 9590- 9763, 9548- 9763, 9840- 9900, 9900-1001,

<<TOPS AND(BASES)>>

AMOCO-REDTOP	CVAN -----13640)	WFMP -----12506	STRNL-1ST-11590
ANHY -----1105	PI TOPS	WSSP -----12550	ATOK -1ST-11840
YTES -----2555	ANDR -----1270	WOFO -----13540	MRRW -1ST-12240
QUEN -----3420	SALT -----1385	CVAN -----13624	INTERPOLATED TOP
SADR -----4205	YTES -----2560	COMMERCIAL PALEO	PSLR -ZZZ- 1384
GLRT -----5675	SADR -----4204	WFMP -1ST- 9010	SVRV -ZZZ- 2780
DSKD -----6880	GLRT -----5672	PLCC -1ST- 9010	CNYN -ZZZ-10534
ABO -----7530	TLFS -----6376	PLCCL-1ST- 9010	STRN -ZZZ-11042
WFMP -----8990	ABO -----7627	PLCCL-1ST- 9520	SCLA -ZZZ-12758
PSLV -0 - 9905	PLCC -----8994	BESM -1ST- 9500	MSHT -ZZZ-12912
MPLM -----12940	SDRS -----9400	OSCC -1ST-10140	ELBG -ZZZ-13050
WOLF -----13545	BEND -----12150	CNLM -1ST-10820	

<<INITIAL POTENTIAL>>

FROM PERF AT 9849-9869 BY FLOW RECOVERED 501 BBLS/D OIL OVER A 8 HOUR PERIOD USING 40/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 100 PSI CASING PRESSURE PKR PSI PACKER SET AT 9835 FEET PLUG-BACK TO 9904 FEET, GOR OF 564 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 37.6
FROM PERF AT 12362-12401 IN THE PSLV BY ITME RECOVERED 20 BBLS/D OIL OVER A 24 HOUR PERIOD USING 1 00/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 50 PSI CASING PRESSURE PKR PSI PACKER SET AT 12290 FEET PLUG-BACK TO 12431 FEET, GOR OF TSTM000 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 43.0

<<PRODUCTION TESTS>>

SWAB PERF AT 9922-9934 RECOVERED 20 BBLS/D WATER OVER A 1 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 9956 FEET
SWAB PERF AT 9849-9869 OVER A 13 HOUR PERIOD
FROM PERF AT 9849-9869 BY FLOW RECOVERED 124 BBLS OIL OVER A 3 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 9904 FEET
SWAB PERF AT 12370-12388, TEST PRESSURES: PLUG-BACK TO 12431 FEET
FROM PERF AT 12362-12401 BY FLOW RECOVERED 15 BBLS OIL OVER A 24 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 12431 FEET
SWAB PERF AT 12362-12401 RECOVERED 74 BBLS OIL 3 BBLS/D WATER OVER A 24 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 12431 FEET

<<FORMATION TESTS>>

DST FROM 8990 TO 9069 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 45 MIN, RECOVERED 210 FT MUD, SHUTIN PRESSURES: FINAL SHUT-IN 325 ON A 15 MIN TEST
DST FROM 9590 TO 9763 RESULTS OF DST: PKER
DST FROM 9548 TO 9763 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 150 FT GAS CUT MUD, SHUTIN PRESSURES: FINAL SHUT-IN 300 ON A 15 MIN TEST
DST FROM 9840 TO 9900 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 12 MINS, RECOVERED 510 FT HVY OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 350, SHUTIN PRESSURES: FINAL SHUT-IN 3250 ON A 15 MIN TEST
DST FROM 9900 TO 10014 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR 30 MIN, RECOVERED 7250 FT SUL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 450 FIRST FINAL 3550, SHUTIN PRESSURES: FINAL SHUT-IN 3650 ON A 15 MIN TEST
DST FROM 11455 TO 11536 WITH 1600 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 15 MIN, RECOVERED 1600 FT WTR

EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 15 TWP: 016-S RNG: 032-E
COMPANY: CONTINENTAL OIL CO.
LEASE: STATE 015 WELL NO: 1 FIELD: ANDERSON RANCH WOLFC
LAT: 32.82240 LON: 103.75210

CUSH,RECOVERED 35 FT MUD NS
DST FROM 12383 TO 12463 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 80 MINS, FLOWED OIL GRAVITY OF RECOVERED FLUID-44.9, RECOVERED 2500 FT WTR CUSH,RECOVERED 270 FT MUD,RECOVERED 3600 FT CUT, OPEN FLOWING PRESSURES: FIRST INITIAL 1350 FIRST FINAL 1400, SHUTIN PRESSURES: FINAL SHUT-IN 5400 ON A 15 MIN TEST
DST FROM 13500 TO 13689 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 4 HOUR 10 MIN, RECOVERED 2500 FT WTR CUSH,RECOVERED 744 FT MUD,RECOVERED 8854 FT SALT WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 1450 FIRST FINAL 5150, SHUTIN PRESSURES: FINAL SHUT-IN 5525 ON A 15 MIN TEST

TREATED PERF INTERVAL AT 9822 TO 9834 BY ACID USING 2000 GALS ACID
TREATED PERF INTERVAL AT 9849 TO 9869 BY ACID USING 2000 GALS ACID
TREATED PERF INTERVAL AT 9849 TO 9869 BY ACID USING 3000 GALS ACID
TREATED PERF INTERVAL AT 12370 TO 12388 BY CLAG USING 500 GALS ACID
TREATED PERF INTERVAL AT 12362 TO 12401 BY CLAG USING 500 GALS ACID
RAN THE FOLLOWING LOGS: DS,GRNL,PALEO BY PALEOL,SPLL BY PERMIS, *** DUMMY PGM CTL TO CORRECT TOPS ENCODE FLAG

RE-ENTERED: ON 10-22-1953 LEASE CARRIED AS THE CONTINENTAL OIL CO. NUMBER 1 STATE 015
RECOMPLETED 01-07-1954, INITIAL PC, FINAL OIL.
ABANDONED 12-02-1954, 12-02-1954.

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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 2 TWP: 21S RNG: 33E
COMPANY: MID-CONTINENT PET CORP
LEASE: STATE 74 WELL NO: 1 FIELD: ANDERSON RANCH DEVON
LAT: 32.95510 LON: 103.7349
LOCATION NARRATIVE: 462FSL & 1990FEL & SEC

SPUD DATE: 01-25-1954 COMP DATE: 05-24-1954 ELEV: 4311 DF
DRILLERS TD: 13395 LOG TD: ORIGINAL TD: 10042

<<CASING>>

13-24/64	@ 512	W/ 500	SX
09-40/64	@ 4203	W/ 2500	SX
05-32/64	@ 13395	W/ 300	SX
	@	W/	SX
	@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:NEW,FINAL:D&A,WELL CLASS: D&A,PE-
ENTERED 1956,RE-ENTERED 1966,NO SHOW,TD DATA,
TREATMENTS,PAN: CS ML GRNL SPLL GEL,WITH FILE,
PRODUCES FROM MRRW,AIR DRILL

<<INITIAL POTENTIAL>>

PFS 13362-13392 WTR/TP OIL: 525BBLS/D GAS: SW:
HOUR TEST: 9 CH:20/64 TP: 1000 SITP: GOR: 803 FM:
PFS 12160-12170 WTR/TP OIL: GAS: SW:
HOUR TEST: 12 CH:22/64 TP: 500 SITP: GOR: FM:MRRW
PFS - WTR/TP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9640-9795, 9751-9850, 9746-9850, 9847-9896, 9859-9995,

<<TOPS AND(CASES)>>

RI TOPS	AEC ----- 7674	SVRV -ZZZ- 2751	ATOK -ZZZ-11931
ANDR ------ 1273	WFMP ------ 8920	GLEN -ZZZ- 3353	MRRW -ZZZ-12082
YTES ------ 2483	MSSP ------12580	DRKD -ZZZ- 6847	CSTR -ZZZ-12358
SADR ------ 4072	WCFD ------13254	AEC -ZZZ- 6847	MPLM -ZZZ-12646
GLRT ------ 5673	DVAN ------13345	CSCC -ZZZ-10143	SCLM -ZZZ-12710
CLFK ------ 6259	INTERPOLATED TOP	CNYN -ZZZ-10949	BONT -ZZZ-12811
TUBB ------ 6863	BSLE -ZZZ- 1393	STRN -ZZZ-11267	ELBG -ZZZ-12871

<<INITIAL POTENTIAL>>

FROM PERF AT 13362-13392 BY FLOW RECOVERED 525 BBLS/D OIL OVER A 9 HOUR PERIOD USING 20/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 1000 PSI PACKER SET AT 13342 FEET PLUG-BACK TO 13392 FEET, GOR OF 803 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 56.4
FROM PERF AT 12160-12170 IN THE MRRW BY FLOW OVER A 12 HOUR PERIOD USING 22/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 500 PSI PLUG-BACK TO 12160 FEET ABSOLUTE CALCULATED OPEN FLOW 6000 MCFD, RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 59.2

<<FORMATION TESTS>>

DST FROM 9640 TO 9795 WITH 800 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR 30 MIN, FLOWED GAS WITH A TIME TO SURFACE OF 45 MINS, RECOVERED 800 FT WTR CUSH,RECOVERED 1010 FT HVY OIL GAS CUT MUD,RECOVERED 90 FT OIL, OPEN FLOWING PRESSURES: FIRST FINAL 800 (150 MINUTES), SHUTIN PRESSURES: FINAL SHUT-IN 960 ON A 15 MIN TEST
DST FROM 9751 TO 9850 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 870 FT WTR CUSH,RECOVERED 30 FT MUD, OPEN FLOWING PRESSURES: (060 MINUTES), SHUTIN PRESSURES: FINAL SHUT-IN 960 ON A 15 MIN TEST
DST FROM 9746 TO 9850 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 65 MINS, RECOVERED 150 FT SLT OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 100 (180 MINUTES), SHUTIN PRESSURES: FINAL SHUT-IN 1300 ON A 30 MIN TEST
DST FROM 9847 TO 9896 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR 30 MIN, RECOVERED 120 FT HVY OIL GAS CUT MUD, OPEN FLOWING PRESSURES: (150 MINUTES), SHUTIN PRESSURES: FINAL SHUT-IN 300 ON A 15 MIN TEST
DST FROM 9859 TO 9967 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 57 MINS, RECOVERED 368 FT OIL GAS CUT MUD,RECOVERED 6745 FT SUL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 215 FIRST FINAL 3055 (120 MINUTES), SHUTIN PRESSURES: FINAL SHUT-IN 3705 ON A 15 MIN TEST
DST FROM 12080 TO 12168 RESULTS OF DST: PKR
DST FROM 12063 TO 12168 WITH 2200 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR 15 MIN, FLOWED CUSH WITH A TIME TO SURFACE OF 17 MINS, FLOWED 2000 MCFD GAS WITH A TIME TO SURFACE OF 21 MINS, FLOWED OIL GRAVITY OF RECOVERED FLUID-45.1, FLOWED OIL GRAVITY OF RECOVERED FLUID-45.1, RECOVERED 837 FT OIL GAS CUT MUD,RECOVERED 279 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 2200 FIRST FINAL 3750 (135 MINUTES), SHUTIN PRESSURES: FINAL SHUT-IN 5825 ON A 45 MIN TEST
DST FROM 13350 TO 13391 WITH 4300 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, FLOWED OIL GRAVITY OF RECOVERED FLUID-44.0, FLOWED OIL GRAVITY OF RECOVERED FLUID-46.0, RECOVERED 930 FT GAS

EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 2 TWP: 016 S RNG: 032 E
COMPANY: MID-CONTINENT PET CORP
LEASE: STATE 76 WELL NO: 1 FIELD: ANDERSON RANCH DEVON
LAT: 32.99910 LON: 103.73490

CUSH,RECOVERED 400 FT OIL GAS CUT MUD,RECOVERED 800 FT OIL GAS CUT WTR CUSH,RECOVERED 440 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 4800 FIRST FINAL 4800 (120 MINUTES), SHUTIN PRESSURES: FINAL SHUT-IN 4840 ON A 30 MIN TEST

DST FROM 13365 TO 13395 WITH 4050 FT WTR CUSH, INITIAL OPEN 2 HOUR, FLOWED OIL GRAVITY OF RECOVERED FLUID=48.0, FLOWED OIL GRAVITY OF RECOVERED FLUID=48.0, FLOWED OIL GRAVITY OF RECOVERED FLUID=48.0, RECOVERED 4050 FT OIL GAS CUT WTR CUSH,RECOVERED 125 BBLS OIL,RECOVERED 5 GALS OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 3240 FIRST FINAL 4545 (120 MINUTES), SHUTIN PRESSURES: FINAL SHUT-IN 5445 ON A 30 MIN TEST

>>CORES INFORMATION<<

TOOK CORES: 13380 TO 13395 RECOVERED 11.0 FT DETAILED DESCRIPTION OF 2.00 LITHOLOGY-(DOL) DETAILED DESCRIPTION OF 2.00 LITHOLOGY-(DOL) POROSITY-(D)

TREATED PERF INTERVAL AT 13352 TO 13392 BY CLAC USING 500 GALS ACID
TREATED PERF INTERVAL AT 12160 TO 12170 BY ACID USING 1000 GALS ACID
RAN THE FOLLOWING LOGS: ES,ML,GRNL,SPLL BY PERMES,GRL FROM 9400 TO 13390 BY LANE, *** DUMMY PGM CTL TO CORRECT TOPS PYRED FLAG

RE-ENTERED: ON 11-30-1955 LEASE CARRIED AS THE SUNRAY-MIDCONT OIL CO NUMBER 1 STATE 76
RECOMPLETED 02-08-1956, INITIAL DEV, FINAL OIL.
RECOMPLETED 11-19-1966, INITIAL DEV, FINAL G&C.

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-00351-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 22 TWP: 01S RNG: 01E
COMPANY: TEXAS PACIFIC COAL&OIL
LEASE: LANE MILL UNIT WELL NO: 1 FIELD:
LAT: 32.67790 LON: 103.73738
LOCATION NARRATIVE: 660FN L 1980FE L SEC

SPUD DATE: 11-06-1952 COMP DATE: 08-12-1953 ELEV: 4335 DF
DRILLED TD: 13065 LOG TD:

<<CASING>>

13-24/64	@	300	W/	350 SX
09-40/64	@	4104	W/	1875 SX
07-00/64	@	9900	W/	300 SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:WC,FINAL:D&A,WELL CLASS: D&A,RE-
ENTERED 1963,FC SHOW,PRODUCTION TESTS,
FORMATION TESTS,TREATMENTS,PAY: PS PALO SPILL
GEL,LITH FILE

<<INITIAL POTENTIAL>>

PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: OIL: /64 TP: SITP: GOR: FW:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: OIL: /64 TP: SITP: GOR: FW:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: OIL: /64 TP: SITP: GOR: FW:

FORMATION TESTS: 8855- 9057, 9088- 9220, 9460- 9632, 9665- 9807, 9821- 983,

<<TOPS AND(BASES)>>

PI TOPS	DVNN ------13582	WOLF ------13607	RSLR -222- 1410
ANDR ------ 1315	GRCMP TOPS	DVNN ------13584	SVRV -222- 2747
YTES ------ 2304	YTES ------ 2503	CONFECIAL PALEO	DRKD -222- 6352
QUEN ------ 3314	RDSD ------ 3315	WFMP -1ST- 9070	ABO -222- 6859
SADR ------ 4074	SADR ------ 4075	HUCO -1ST- 9070	CSTR -222-12279
GLRT ------ 5705	GLRT ------ 5711	BRSV -1ST-10030	BRNT -222-12559
TUBB ------ 6855	CLFK ------ 6230	CSCO -1ST-10393	SCLA -222-12673
ABO ------ 7683	ELRN ------ 6925	STRA -1ST-11440	BL&G -222-12813
MSSP ------12945	AEC ------ 7024	STRNL-1ST-11460	BL&G -222-12814
PI SAMPLE TOPS	HUCO ------ 8954	ATOK -1ST-11830	SLDV -222-13553
WFMP ------ 8966	BSLV -NO - 9407	MERA -1ST-12100	
WOLF ------13510	MSLV ------12307	INTERPOLATED TOP	

<<PRODUCTION TESTS>>

FROM PERF AT 9770-9790 BY FLOW RECOVERED 43 BBLS OIL 1 BBLS/D WATER OVER A 5 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 9835 FEET, GOR OF 77#
SWAB PERF AT 9770-9790 RECOVERED 90 BBLS OIL OVER A 24 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 9835 FEET
SWAB PERF AT 9770-9790 RECOVERED 3 BBLS OIL 1 BBLS/D WATER OVER A 24 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 9835 FEET
SWAB PERF AT 9495-9545 RECOVERED 23 BBLS OIL 2 BBLS/D WATER OVER A 24 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 9620 FEET
SWAB PERF AT 9495-9545, TEST PRESSURES: PLUG-BACK TO 9620 FEET
FROM PERF AT 9374-9391 BY FLOW RECOVERED 2 BBLS OIL
SWAB PERF AT 9316-9328 RECOVERED 35 BBLS OIL 75 BBLS/D WATER OVER A 2 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 9350 FEET

<<FORMATION TESTS>>

DST FROM 8855 TO 9057 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 604 FT MUD
DST FROM 9088 TO 9220 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, RECOVERED 150 FT VERY SLI OIL GAS CUT MUD, SHUTIN PRESSURES: FINAL SHUT-IN 70 ON A 30 MIN TEST
DST FROM 9460 TO 9632 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 46 MINS, RECOVERED 930 FT HVY OIL GAS CUT MUD,RECOVERED 60 FT SALT WTR, OPEN FLOWING PRESSURES: FIRST FINAL 275, SHUTIN PRESSURES: FINAL SHUT-IN 725 ON A 30 MIN TEST
DST FROM 9665 TO 9807 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR 30 MIN, FLOWED SI MCFD GAS WITH A TIME TO SURFACE OF 10 MINS, FLOWED OIL GRAVITY OF RECOVERED FLUID-42.4, RECOVERED 400 FT OIL CUT MUD,RECOVERED 3000 FT OIL,RECOVERED 20 FT FRSH WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 800 FIRST FINAL 1600, SHUTIN PRESSURES: FINAL SHUT-IN 2350 ON A 30 MIN TEST
DST FROM 9835 TO 9930 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 155 MINS, RECOVERED 450 FT SLI OIL GAS CUT MUD,RECOVERED 1000 FT SLI OIL GAS CUT SALT SUL WTR,RECOVERED 600 FT SLI GAS CUT SUL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 425 FIRST FINAL 975, SHUTIN PRESSURES: FINAL SHUT-IN 1350 ON A 30 MIN TEST
DST FROM 9960 TO 10015 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, RECOVERED 570 FT SLI OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 200, SHUTIN PRESSURES: FINAL SHUT-IN 2100 ON A 30 MIN TEST

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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 22 TWP: 015 S RNG: 032 E
COMPANY: TEXAS PACIFIC COAL&OIL
LEASE: LANE MILL UNIT WELL NO: 1 FIELD:
LAT: 32.9779) LON: 103.7379)

DST FROM 10105 TO 10240 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, RECOVERED 1000 FT WTR CUSH,RECOVERED 180 FT OIL GAS CUT MUD
DST FROM 10260 TO 10370 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, RECOVERED 1000 FT WTR CUSH,RECOVERED 540 FT GAS MUD CUT SUL WTR, OPEN FLOWING PRESSURES: FIRST FINAL 200, SHUTIN PRESSURES: FINAL SHUT-IN 3400 ON A 30 MIN TEST
DST FROM 13690 TO 13695 WITH 3300 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, RECOVERED 3300 FT WTR CUSH,RECOVERED 600 FT WTR CUT MUD,RECOVERED 350 FT SALT WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 2150 FIRST FINAL 3450, SHUTIN PRESSURES: FINAL SHUT-IN 4600 ON A 15 MIN TEST

<<CORE INFORMATION>>

TOOK CORES: 9732 TO 9807 RECOVERED 15.0 FT DETAILED DESCRIPTION OF 9.00 LITHOLOGY-(LM) SHOWS-(STN-U FLU-U) DETAILED DESCRIPTION OF 13.00 LITHOLOGY-(LY) SHOWS-(NS), 9807 TO 9845 RECOVERED 36.1 FT DETAILED DESCRIPTION OF.50 LITHOLOGY-(SH) DETAILED DESCRIPTION OF 2.00 LITHOLOGY-(LM) DETAILED DESCRIPTION OF 34.00 LITHOLOGY-(SH SH), 9886 TO 9930 RECOVERED 43.0 FT DETAILED DESCRIPTION OF 21.00 LITHOLOGY-(LS) POROSITY-(G) SHOWS-(GOOD ODR-U GOOD FLU-U) DETAILED DESCRIPTION OF 22.00 LITHOLOGY-(LS) POROSITY-(D), 13619 TO 13655 RECOVERED 34.0 FT DETAILED DESCRIPTION OF 10.00 POROSITY-(G) SHOWS-(GOOD STN-U GOOD ODR-U) DETAILED DESCRIPTION OF 14.00 POROSITY-(F) SHOWS-(FAIR STN-U) DETAILED DESCRIPTION OF 10.00 LITHOLOGY-(LS) SHOWS-(NS)

TREATED PERF INTERVAL AT 9770 TO 9790 BY ACID USING 2000 GALS ACID
TREATED PERF INTERVAL AT 9770 TO 9790 BY ACID USING 5000 GALS ACID
TREATED PERF INTERVAL AT 9760 TO 9800 BY ACID USING 5000 GALS ACID
TREATED PERF INTERVAL AT 9435 TO 9545 BY CLAG USING 500 GALS ACID
TREATED PERF INTERVAL AT 9485 TO 9545 BY ACID USING 5000 GALS ACID
TREATED PERF INTERVAL AT 9874 TO 9901 BY CLAG USING 500 GALS ACID
TREATED PERF INTERVAL AT 9816 TO 9828 BY ACID USING 1500 GALS ACID
RAN THE FOLLOWING LOGS: ES,PALED BY PALECL,SDLL BY PERMES,GRL FROM 0 TO 13650 BY SCHL
RE-ENTERED: ON 08-25-1963 LEASE CARRIED AS THE GULF OIL CORP NUMBER 1 LEA-STATE G
RECOMPLETED 09-08-1963, INITIAL DEV, FINAL DEA,

07/20/8) AMOCO PRODUCTION COMPANY API NO: 30-[illegible]-[illegible]-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: __33 TWP: 21S_3 RNG: 32_E
COMPANY: UNION OIL CO. OF CALIF.
LEASE: STATE A 33 WELL NO: 1 FIELD: ANDERSON RANCH WOLFC
LAT: 32.96590 LON: 103.73090
LOCATION NARRATIVE: 330FS & 330FW L SEC

SPUD DATE: 07-20-1960 COMP DATE: 11-05-1960 ELEV: 4316 DF
DRILLERS TD: 13408 LOG TD:

<<CASING>>
13-24/64 @ 602 W/ 700 SX
09-40/64 @ 4167 W/ 700 SX
07-00/64 @ 13397 W/ 900 SX
@ W/ SX
@ W/ SX

<<CONDENSED WELL SUMMARY>>
INITIAL:WC,FINAL:N-OIL,WELL CLASS: PRODUCTIL,
FC SHOW,IP DATA,PRODUCTION TESTS,FORMATION
TESTS,TREATMENTS,RAN: ML ES IL GRL GRSL,
PRODUCES FROM WFMP,PRODUCES FROM DVAN,ATD
DRILL

<<INITIAL POTENTIAL>>
PFS 9852- 9876 WITH/IP OIL: 200 BLS/D GAS: SW:
HOUR TEST: 24 CH: 12/64 TP: 950 SITP: GOR: 1216 FM:WFMP
PFS 13397-13403 WITH/IP OIL: 293 BLS/D GAS: SW:
HOUR TEST: 24 CH: 36/64 TP: 60 SITP: GOR: 566 FM:DVAN
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS:

<<TOPS AND(BASES)>>

PI TOPS	CNYN ------10540	QUEN -ZZZ- 3345	ATOK -ZZZ-11814
ANDR ------ 1313	MRRW ------11883	DRKD -ZZZ- 6875	CSTR -ZZZ-12356
YTES ------ 2907	MELM ------12607	ABO -ZZZ- 6975	SCLV -ZZZ-12755
SADR ------ 4095	WOFD ------13095	TUBB -ZZZ- 6990	MSSP -ZZZ-12757
GLRT ------ 5676	DVAN ------13378	PSLV -ZZZ- 6999	BRNT -ZZZ-12756
CLFK ------ 5940	INTERPOLATED TOP	WFMP -ZZZ- 6995	ELLG -ZZZ-12955
ABO ------ 7610	RSLP -ZZZ- 1412	CSCG -ZZZ-10132	
HUCO ------ 8925	SVEV -ZZZ- 2764	STRN -ZZZ-11337	

<<INITIAL POTENTIAL>>

FROM PERF AT 9852-9876 IN THE WFMP BY FLOW RECOVERED 200 BBLS/D OIL OVER A 24 HOUR PERIOD USING 12/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 950 PSI CASING PRESSURE PKR PSI, GOR OF 1216 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 38.5

FROM OH AT 13397-13403 IN THE DVAN BY FLOW RECOVERED 293 BBLS/D OIL OVER A 24 HOUR PERIOD USING 36/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 60 PSI CASING PRESSURE PKR PSI, GOR OF 566 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 54.3

<<PRODUCTION TESTS>>

FROM OH AT 13397-13403 BY FLOW RECOVERED 325 BBLS OIL OVER A 25 HOUR 30 MIN PERIOD USING 20/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 60 PSI, RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 52.0
FROM PERF AT 9852-9876 BY FLOW RECOVERED 26 BBLS OIL OVER A 2 HOUR PERIOD USING 12/64 INCH CHOKE, TEST PRESSURES: PLUG-BACK TD 9910 FEET
SWAB PERF AT 9754-9762 RECOVERED 60 PCT WATER OVER A 6 HOUR 30 MIN PERIOD, TEST PRESSURES: PLUG-BACK TD 9802 FEET
SWAB PERF AT 9754-9762 RECOVERED 55 PCT WATER OVER A 5 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TD 9802 FEET

<<CORE INFORMATION>>

TOOK CORES: 9797 TO 9855 RECOVERED 58.0 FT LITHOLOGY-(LLM) DETAILED DESCRIPTION FROM 9845 TO 9855 SHOWS-(SAT OIL), 9855 TO 9913 RECOVERED 58.0 FT DETAILED DESCRIPTION OF 6.50 LITHOLOGY-(LM) POROSITY-(G) DETAILED DESCRIPTION OF 9.50 LITHOLOGY-(LS) POROSITY-(H) DETAILED DESCRIPTION OF 6.00 LITHOLOGY-(LM) POROSITY-(V) DETAILED DESCRIPTION OF 4.00 LITHOLOGY-(LS) POROSITY-(H) DETAILED DESCRIPTION OF 14.50 LITHOLOGY-(LS) SHOWS-(FLO-U) DETAILED DESCRIPTION OF 12.00 LITHOLOGY-(LS) POROSITY-(H) DETAILED DESCRIPTION OF 6.50 LITHOLOGY-(LS LS) SHOWS-(NS), 9913 TO 9948 RECOVERED 35.0 FT LITHOLOGY-(LLM) SHOWS-(NS), 9948 TO 9980 RECOVERED 20.0 FT LITHOLOGY-(LLS) SHOWS-(NS), 13370 TO 13398 RECOVERED 24.1 FT DETAILED DESCRIPTION OF 10.00 LITHOLOGY-(SH) DETAILED DESCRIPTION OF 1.00 LITHOLOGY-(DOL) DETAILED DESCRIPTION OF 3.50 LITHOLOGY-(DOL) DETAILED DESCRIPTION OF 10.00 LITHOLOGY-(DOL) POROSITY-(P) SHOWS-(GOO OIL)
TOOK CORES: 13398 TO 13406 RECOVERED 8.1 FT LITHOLOGY-(DOL) POROSITY-(TYPE: Z) SHOWS-(GOO OIL)

TREATED PERF INTERVAL AT 9852 TO 9876 BY ACID USING [illegible] GALS ACID
TREATED PERF INTERVAL AT 9754 TO 9762 BY ACID USING 250 GALS ACID
RAN THE FOLLOWING LOGS: ML,ES,IL,GRL,GRSL,GRL FROM [illegible] TO 13406 BY SCHL, [illegible] DUMMY PGM CTL TO CORRECT TOPS ENTERED FLAG, [illegible] DUMMY PGM CTL TO CORRECT COMPUTED INT DEPTHS TO SIGNS

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-00365-00
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EXPLORATION SYSTEMS SCOUT TICKET(I-3)

STATE: NM COUNTY: LEA SEC: 33 TWP: 015-S RNG: 032-E
COMPANY: UNION OIL CO. OF CALIF.
LEASE: STATE 33 WELL NO: 1 FIELD: ANDERSON RANCH WOLFC
LAT: 32.97420 LON: 103.72980
LOCATION NARRATIVE: 1980FNL & 660FWL SEC

SPUD DATE: 03-26-1960 COMP DATE: 07-15-1960 ELEV: 4326 DF
DRILLERS TD: 13502 LOG TD:

<<CASING>>

13-24/64 @	401	W/ 700	SX
09-40/64 @	4175	W/ 700	SX
06-32/64 @	10227	W/ 200	SX
@		W/	SX
@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:WC,FINAL:OIL,WELL CLASS: PRODUCTION,WC
SHOW,IP DATA,PRODUCTION TESTS,FORMATION TESTS,
TREATMENTS,PAN: ML ES IL LL SFL GRNL GR SL
HYDR FRAC SPLI,PRODUCES FROM WFMP,ATT DRILL

<<INITIAL POTENTIAL>>

PFS 9982- 9980 WITH/IP OIL: 1224BBLS/D GAS: SA:
HOUR TEST: 4 CH:30/64 TP: 800 SITP: GOR: 1550 FM:WFMP
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9482- 9485, 9742- 9780, 9798- 9856, 9962- 9945, 9948- 900,

<<TOPS AND(BASES)>>

PI TOPS	HUCO ------ 8996	CNYN -1ST-10870	STRN -ZZZ-11934
ANDR ------ 1220	CNYN ------10694	CHRKL-1ST-11390	MRRW -ZZZ-11965
YTES ------ 2505	CSTL ------12328	STRNL-1ST-11390	BRNT -ZZZ-12491
QUEN ------ 3345	WFLM ------12710	ATOK -1ST-11890	SCLV -ZZZ-12742
SADR ------ 4093	WCFD ------13402	INTERPOLATED TOP	LL3G -ZZZ-12812
GLRT ------ 5662	CYNN ------13486	BSLR -ZZZ- 1426	MSSP -ZZZ-12864
CLRK ------ 6269	COMMERCIAL PAY	SVRV -ZZZ- 2773	
TUBB ------ 6923	WFMP -1ST- 9442	DRKD -ZZZ- 6669	
ABO ------ 7636	CSCO -1ST-10180	ABO -ZZZ- 6669	

<<INITIAL POTENTIAL>>

PROM PERF AT 9982-9980 IN THE WFMP BY FLOW RECOVERED 1224 BBLS/D OIL OVER A 4 HOUR PERIOD USING 30/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 800 PSI CASING PRESSURE 0KB PSI PLUG-BACK TD 10227 FEET, GOR OF 1550 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 40.0

<<PRODUCTION TESTS>>

SWAB PERF AT 9982-9980 RECOVERED 84 BBLS OIL OVER A 12 HOUR 30 MIN PERIOD, TEST PRESSURES: PLUG-BACK TD 10227 FEET

<<FORMATION TESTS>>

DST FROM 9482 TO 9555 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, FLOWED TSTM GAS WITH A TIME TO SURFACE OF 14 MINS, RECOVERED 180 FT OIL GAS CUT MUD,RECOVERED 240 FT MUD CUT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 90 FIRST FINAL 165, SHUTIN PRESSURES: INITIAL SHUT-IN 2480 ON A 30 MIN TEST FINAL SHUT-IN 1930 ON A 30 MIN TEST

DST FROM 9742 TO 9780 INITIAL OPEN 30 MIN, RECOVERED 10 FT MUD NS, OPEN FLOWING PRESSURES: FIRST INITIAL 35 FIRST FINAL 35, SHUTIN PRESSURES: INITIAL SHUT-IN 55 ON A 30 MIN TEST FINAL SHUT-IN 40 ON A 30 MIN TEST

DST FROM 9798 TO 9856 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR 10 MIN, FLOWED GAS WITH A TIME TO SURFACE OF 5 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 61 MINS, FLOWED 30 BPH OIL WITH A TIME TO SURFACE OF 93 MINS GRAVITY OF RECOVERED FLUID-42.5 GOR OF 730, RECOVERED 9700 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 425 FIRST FINAL 1305, SHUTIN PRESSURES: INITIAL SHUT-IN 3315 ON A 30 MIN TEST FINAL SHUT-IN 3315 ON A 001 HOUR 30 MIN TEST

DST FROM 9962 TO 9945 WITH A 1-30/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 25 MIN, FLOWED 6000 MCFD GAS WITH A TIME TO SURFACE OF 5 MINS, FLOWED 36 BPH OIL GRAVITY OF RECOVERED FLUID-42.0 GOR OF 730, RECOVERED 90 BBLS OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 2670 FIRST FINAL 3220, SHUTIN PRESSURES: INITIAL SHUT-IN 3590 ON A 30 MIN TEST FINAL SHUT-IN 3590 ON A 001 HOUR 30 MIN TESTSHUT-IN SURFACE PRESSURE 500PSI USING A 0-40/64 INCH TOP CHOKE

DST FROM 9948 TO 9958 WITH 500 PSIG CUSH, WITH A 1-30/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR 30 MIN, FLOWED GAS WITH A TIME TO SURFACE OF 26 MINS, FLOWED 33 BPH OIL WITH A TIME TO SURFACE OF 29 MINS GOR OF 1054, RECOVERED 994 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 2340 FIRST FINAL 3220, SHUTIN PRESSURES: INITIAL SHUT-IN 3640 ON A 30 MIN TEST FINAL SHUT-IN 3640 ON A 001 HOUR 30 MIN TESTUSING A 0-25/64 INCH TOP CHOKE

DST FROM 9968 TO 10035 WITH 500 PSIG CUSH, WITH A 1-00/64 INCH TOP CHOKE, INITIAL OPEN 2 HOUR, FLOWED TSTM GAS WITH A TIME TO SURFACE OF 41 MINS, FLOWED OIL GRAVITY OF RECOVERED FLUID-43.0, RECOVERED 36 BBLS OIL,RECOVERED 12 BBLS SALT WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 1344 FIRST FINAL

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-0[illegible]-00
PAGE (2) 1 EXPLORATION SYSTEMS SCOUT TICKET(T-3)

SEC: 33 TWP: 21S RNG: 32E

STATE: NM COUNTY: LEA
COMPANY: UNION OIL CO. OF CALIF.
LEASE: STATE 32 WELL NO: 1 FIELD: ANDERSON RANCH ATOKA
LAT: 32.97420 LON: 103.72930

2445, SHUTIN PRESSURES: INITIAL SHUT-IN [illegible] ON A 30 MIN TEST FINAL SHUT-IN 2747 ON A 001 HOUR 30 MIN TEST

DST FROM 10148 TO 10161 WITH 500 PSIG CUSH, WITH A 1-00/64 INCH TOP 0-00/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, RECOVERED 150 FT MUD CUT SALT WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 100 FIRST FINAL 100, SHUTIN PRESSURES: INITIAL SHUT-IN 750 ON A 30 MIN TEST FINAL SHUT-IN 160 ON A 001 HOUR 30 MIN TEST

DST FROM 10906 TO 11012 WITH 500 PSIG CUSH, INITIAL OPEN 2 HOUR, RECOVERED 30 FT HVY OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 715 FIRST FINAL 715, SHUTIN PRESSURES: INITIAL SHUT-IN 3250 ON A 30 MIN TEST FINAL SHUT-IN 1285 ON A 30 MIN TEST

DST FROM 11276 TO 11312 WITH 500 PSIG CUSH, WITH A 1-00/64 INCH TOP 0-00/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, RECOVERED 10 FT MUD NS, OPEN FLOWING PRESSURES: FIRST INITIAL 620 FIRST FINAL 1000, SHUTIN PRESSURES: INITIAL SHUT-IN 1120 ON A 30 MIN TEST FINAL SHUT-IN 1000 ON A 001 HOUR 30 MIN TEST

DST FROM 13482 TO 13502 INITIAL OPEN 4 HOUR, RECOVERED 250 FT GAS SALT WTR CUT MUD, RECOVERED 6600 FT SALT WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 1220 FIRST FINAL 3000, SHUTIN PRESSURES: INITIAL SHUT-IN 4739 ON A 1 HOUR TEST FINAL SHUT-IN 4623 ON A 001 HOUR TEST.

<<CORE INFORMATION>>

TOOK CORES: 9856 TO 9903 RECOVERED 38.1 FT LITHOLOGY-(LLS) SHOWS-(OIL), 9910 TO 9945 RECOVERED 31.0 FT LITHOLOGY-(LLS) POROUS ZONE-(TYPE: U) SHOWS-(OLED (66), 9946 TO 9988 RECOVERED 42.1 FT LITHOLOGY-(LLM) POROUS ZONE-(TYPE: Y) SHOWS-(OLED OIL), 9988 TO 10039 RECOVERED 51.0 FT DETAILED DESCRIPTION OF 1.50 19.00 LITHOLOGY-(LS) SHOWS-(OLED OIL) DETAILED DESCRIPTION OF 30.00 LITHOLOGY-(LS) SHOWS-(OLED SWTR) DETAILED DESCRIPTION OF 28.0 FT DETAILED DESCRIPTION OF LITHOLOGY-(SH), 13470 TO 13505 RECOVERED 28.0 FT DETAILED DESCRIPTION OF 13.00 LITHOLOGY-(DOL) 15.00 LITHOLOGY-(SH) DETAILED DESCRIPTION OF 13.00 LITHOLOGY-(DOL) POROSITY-(2) SHOWS-(OIL)

TREATED PERF INTERVAL AT 9952 TO 9980 BY ACID USING 1000 GALS ACID
RAN THE FOLLOWING LOGS: AL,BS,IL,LL,GFL,GFNL,GRSL,HYDE,PALEO BY PALEOL, SELL BY GEOLSV,GRL FROM 30 TO 13469 BY SCHL, ** DUMMY PGM CTL TO CORRECT TOOLS ENPROD FLAG *** DUMMY PGM CTL TO CORRECT CORED INT DEPTHSHO SEGME

07/29/80
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AMOCO PRODUCTION COMPANY API NO: 30-025-20370-00

EXPLORATION SYSTEMS SCOUT TICKET(T-2)

STATE: NM COUNTY: LEA
COMPANY: GULF OIL CORP
LEASE: LEA-STATE NCT-AB WELL NO: 1 FIELD: ANDERSON RANCH DEVON
LOCATION NARRATIVE: 990FN L 660FE L SEC LAT: 32.92240 LON: 103.73070
SEC: 2 TWP: 016 S RNG: 032 E

SPUD DATE: 11-02-1957 COMP DATE: 05-14-1958 ELEV: 4314 DF
DRILLERS TD: 13420 LOG TD:

<<CASING>>

13-24/64	@	600	W/	725 SX
09-40/64	@	9174	W/	2770 SX
07-00/64	@	13391	W/	1252 SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:M-OIL,WELL CLASS:
PROD2OIL,PC SECM,ID DATA,PRODUCTION TESTS,
FORMATION TESTS,TREATMENTS,RAN: ML CS SONL,
DRILL

<<INITIAL POTENTIAL>>

PFS 13391-13420 WITH/ID OIL: 456BBLS/D GAS: GOR: 650 SW: FM:DVNN
HOUR TEST: 13 CH:30/64 TP: 150 SITP:
PFS 9828- 9862 WITH/ID OIL: 135BBLS/D GAS: GOR: 1614 SW: FM:WFMP
HOUR TEST: 24 CH:00/64 TP: 1000 SITP:
PFS - WITH/ID OIL: GAS: GOR: SW: FM:
HOUR TEST: CH: /64 TP: SITP:
FORMATION TESTS: 9715- 9815,9828- 9862,13391-13410,13391-13420,

<<TOPS AND CASES>>

AMOCO-PENTOP		WFMP	8938	WFMP	8938	ATOK	-222-11850
ANHY	1305	YSSD	12704	MSSP	12410	MRRA	-222-11911
YTES	2813	MDFD	13294	ADFD	13290	CSTR	-222-12375
QUEN	3370	DVNN	13737	DVNN	13566	MPLM	-222-12597
SADR	4155	PI TOPS		INTERPOLATED TOPS		SCLM	-222-12750
GLRT	5670	GLRT	5630	CSGC	-222-10141	BRNT	-222-12783
DFKD	6657	TUBB	6890	CNYN	-222-10527	ELBG	-222-12844
ABO	7625	ABO	7610	STRN	-222-11297		

<<INITIAL POTENTIAL>>

FROM CH AT 13391-13420 IN THE DVNN BY FLOW RECOVERED 456 BBLS/D OIL OVER A 13 HOUR PERIOD USIN, 30/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 150 PSI CASING PRESSURE 0KO PSI, GOR OF 650 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 52.0

FROM PERF AT 9828-9862 IN THE WFMP BY FLOW RECOVERED 135 BBLS/D OIL OVER A 24 HOUR PERIOD USING 00/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 1000 PSI CASING PRESSURE 200 PSI; GOR OF 1614 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF +2.0

<<PRODUCTION TESTS>>

FROM CH AT 13391-13420 BY FLOW RECOVERED 145 BBLS OIL OVER A 3 HOUR PERIOD USING 48/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 30 PSI
FROM CH AT 13391-13420 BY FLOW RECOVERED 317 BBLS OIL OVER A 24 HOUR PERIOD

<<FORMATION TESTS>>

DST FROM 9715 TO 9815 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, RECOVERED 120 FT SLI GAS CUT MUD,RECOVERED 60 FT SLI OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 140 FIRST FINAL 185, SHUTIN PRESSURES: FINAL SHUT-IN 1520 ON A 30 MIN TEST

DST FROM 9828 TO 9862 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 4 HOUR 15 MIN, FLOWED 3743 MCFD GAS WITH A TIME TO SURFACE OF 2 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 8 MINS, FLOWED 63 BPH OIL WITH A TIME TO SURFACE OF 15 MINS GRAVITY OF RECOVERED FLUID=42.0 GOR OF 1224, FLOWED 10 BPH WTR, RECOVERED 67 BBLS OIL,RECOVERED 100 FT SUL WTR,RECOVERED 5 BBLS SUL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 3375 FIRST FINAL 3425, SHUTIN PRESSURES: FINAL SHUT-IN 3575 ON A 30 MIN TEST

DST FROM 13391 TO 13410 WITH 1380 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 6 HOUR, RECOVERED 1380 FT WTR CUSH,RECOVERED 9510 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 640 FIRST FINAL 3255, SHUTIN PRESSURES: FINAL SHUT-IN 4556 ON A 30 MIN TEST

DST FROM 13391 TO 13420 WITH 1350 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 6 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 80 MINS, RECOVERED 1350 FT WTR CUSH,RECOVERED 11375 FT OIL,RECOVERED 10 FT SALT WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 640 FIRST FINAL 3055, SHUTIN PRESSURES: FINAL SHUT-IN 4565 ON A 30 MIN TEST

TREATED CH INTERVAL AT 13391 TO 13420 BY ACID USING 500 GALS ACID
TREATED OH INTERVAL AT 13391 TO 13420 BY ACID USING 300 GALS ACID
RAN THE FOLLOWING LOGS: ML,ES,GRNL, MLL DLVRY ECM CTL TO CORRECT TOPS EMBOSS FLAG

RE-ENTERED WITH TD IN THE DVNN

07/20/90
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AMOCO PRODUCTION COMPANY API NO: 30-[illegible]

EXPLORATION SYSTEMS SCOUT TICKET (T-3)

STATE: NM COUNTY: LEA
COMPANY: MAGNOLIA PET. CO.
LEASE: NEW MEXICO-STATE S WELL NO: SEC: 2 TWP: 21S RNG: 32E

LOCATION NARRATIVE: 660FN L 1650FE L SEC LAT: 32.48240 LON: 103.7736 FIELD: ANDERSON RANCH DEVON

SPUD DATE: 08-05-1957 COMP DATE: 01-03-1958 ELEV: 4308 DF ELEV: 4297 GR
DRILLERS TD: 13509 LOG TD: ORIGINAL TD: 13420

<<CASING>>

13-24/64 @	402 W/	450 SX
09-40/64 @	4122 W/	2100 SX
07-40/64 @	10425 W/	350 SX
05-32/64 @	13420 W/	660 SX
04-00/64 @	13509 W/	50 SX

<<INITIAL POTENTIAL>>

PFS 13413-13416 WITH/ID OIL: 315BBLS/D GAS: SI:
HOUR TEST: 24 CH:32/64 TP: 200 SITP: GOR: 667 FM:DVNN
PFS 13442-13447 WITH/ID OIL: 266BBLS/D GAS: SI:
HOUR TEST: 24 CH:32/64 TP: 75 SITP: GOR: 870 FM:
PFS 9826- 9872 WITH/ID OIL: 266BBLS/D GAS: SI:
HOUR TEST: 24 CH: /64 TP: SITP: GOR: FM:WFMP
FORMATION TESTS: 9644- 9741, 9749- 9802, 9826- 9850, 9860- 9898, 9950- 9965,

<<TOPS AND (BASES)>>

ANOCO-REDTOP		WOLF	13213	DEC	7959	MBRW	+222-11901
ANHY	1282	DVNN	13410	PMPV	8922	CSTR	+222-12352
YTES	2401	BI TOPS		ASSE	12734	MDLD	+222-12586
QUEN	3743	ANDR	1282	WOLF	13214	SCLM	+222-12694
SADR	4105	SALT	1498	DVNN	13412	BSRT	+222-12743
GLET	5603	YTES	2502	INTERCALATED TOP		ELSG	+222-12859
DRKD	6348	QUEN	3833	CSCO	+222-10130	PI GASES	
ABO	7508	SADR	4104	CNYN	+222-10688	SALT	2762
WFMP	8920	GLET	5563	STRN	+222-11220		
MSSP	12710	TUBB	6980	ATOK	+222-11512		

<<INITIAL POTENTIAL>>

FROM PERF AT 13413-13416 IN THE DVNN BY FLOW RECOVERED 315 BBLS/D OIL OVER A 24 HOUR PERIOD USING 32/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 200 PSI CASING PRESSURE PKR PSI PLUG-BACK TO 13416 FEET, GOR OF 667 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 50.6
FROM PERF AT 13442-13447 BY FLOW RECOVERED 266 BBLS/D OIL OVER A 24 HOUR PERIOD USING 32/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 75 PSI PLUG-BACK TO 13507 FEET, GOR OF 870 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 51.5
FROM PERF AT 9826-9872 IN THE WFMP BY FLOW RECOVERED 266 BBLS/D OIL OVER A 24 HOUR PERIOD

<<PRODUCTION TESTS>>

SWAB PERF AT 13413-13416, TEST PRESSURES: PLUG-BACK TO 13418 FEET
SWAB PERF AT 13413-13416 RECOVERED 98 BBLS OIL OVER A 10 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 13418 FEET
SWAB PERF AT 13413-13416 RECOVERED 155 BBLS OIL OVER A 10 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 13418 FEET
SWAB PERF AT 13443-13460, TEST PRESSURES: PLUG-BACK TO 13507 FEET
SWAB PERF AT 13443-13460 RECOVERED 10 BBLS/D WATER OVER A 3 HOUR 30 MIN PERIOD, TEST PRESSURES: PLUG-BACK TO 13507 FEET
SWAB PERF AT 13443-13447 OVER A 16 HOUR 30 MIN PERIOD, TEST PRESSURES: PLUG-BACK TO 13507 FEET
SWAB PERF AT 13442-13447 RECOVERED 2 BBLS OIL 14 BBLS/D WATER OVER A 2 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 13507 FEET
FROM PERF AT 13442-13447 BY FLOW RECOVERED 352 BBLS OIL 37 BBLS/D WATER OVER A 48 HOUR PERIOD USING 32/64 INCH CHOKE, TEST PRESSURES: PLUG-BACK TO 13507 FEET, RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 52.0
SWAB PERF AT 13442-13447 RECOVERED 3 BBLS OIL 3 BBLS/D WATER OVER A 2 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 13507 FEET
FROM PERF AT 13442-13447 BY FLOW RECOVERED 121 BBLS OIL 11 BBLS/D WATER OVER A 11 HOUR PERIOD USING 32/64 INCH CHOKE

<<FORMATION TESTS>>

DST FROM 9644 TO 9744 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, FLOWED 36 MCFD GAS WITH A TIME TO SURFACE OF 16 MINS, FLOWED OIL GRAVITY OF RECOVERED FLUID=40.5, RECOVERED 600 FT HVY OIL CUT MUD, RECOVERED 1900 FT OIL, RECOVERED 3600 FT SALT WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 475 FIRST FINAL 1035, SHUTIN PRESSURES: FINAL SHUT-IN 2125 ON A 30 MIN TEST
DST FROM 9749 TO 9802 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, RECOVERED 180 FT SLT OIL CUT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 60 FIRST FINAL 115, SHUTIN PRESSURES: INITIAL SHUT-IN ON A 30 MIN TEST FINAL SHUT-IN 540

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODUCIL,
RE-ENTERED 1958,RE-ENTERED 1962,,IC SHOW,IP
DATA,PRODUCTION TESTS,FORMATION TESTS,
TREATMENTS,PAN: ES LL ML GRNL GPL,PRODUCES
FROM DVNN,PRODUCES FROM WFMP,AIF DRILL

EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 22 TWP: 016 S RNG: 032 E
COMPANY: MAGNOLIA PET. CO.
LEASE: NEW MEXICO-STATE S WELL NO: 1 FIELD: ANDERSON RANCH DEVON
LAT: 32.89240 LON: 103.73397

DST FROM 9820 TO 9850 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, FLOWED 1700 MCFD GAS WITH A TIME TO SURFACE OF 4 MINS, FLOWED OIL WITH A TIME TO SURFACE OF 7 MINS GRAVITY OF RECOVERED FLUID=41.5, FLOWED 145 BPH OIL GOR OF 670, RECOVERED 9820 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 2655 FIRST FINAL 3350, SHUTIN PRESSURES: FINAL SHUT-IN 3635 ON A 30 MIN TESTSHUT-IN SURFACE PRESSURE 2758PSI USING A 1-00/64 INCH TOP CHOKE
DST FROM 9860 TO 9893 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 40 MIN, FLOWED GAS WITH A TIME TO SURFACE OF 2 MINS, FLOWED 41 BPH OIL WITH A TIME TO SURFACE OF 7 MINS GRAVITY OF RECOVERED FLUID=39.5 GOR OF 1000, FLOWED 2 PCT ATP 9%-BS, RECOVERED 9860 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 2050 FIRST FINAL 2930, SHUTIN PRESSURES: FINAL SHUT-IN 3530 ON A 30 MIN TESTUSING A 0-40/64 INCH TOP CHOKE
DST FROM 9930 TO 9951 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 6 MINS, FLOWED OIL GRAVITY OF RECOVERED FLUID=38.6, RECOVERED 200 FT OIL GAS CUT MUD,RECOVERED 540 FT GAS CUT OIL,RECOVERED 1500 FT SALT WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 250 FIRST FINAL 965, SHUTIN PRESSURES: FINAL SHUT-IN 3265 ON A 30 MIN TEST
DST FROM 10990 TO 11002 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, RECOVERED 800 FT SLI OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 60 FIRST FINAL 250, SHUTIN PRESSURES: FINAL SHUT-IN 250 ON A 30 MIN TEST
DST FROM 13414 TO 13425 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, RECOVERED 900 FT OIL GAS CUT MUD,RECOVERED 270 FT GAS SLI OIL CUT MUD,RECOVERED 840 FT SALT WTR,RECOVERED 1310 FT SLI OIL MUD CUT SALT WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 170 FIRST FINAL 2300, SHUTIN PRESSURES: FINAL SHUT-IN 2530 ON A 30 MIN TEST
DST FROM 13429 TO 13443 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, FLOWED TSTM GAS WITH A TIME TO SURFACE OF 45 MINS, RECOVERED 200 FT GAS CUT MUD,RECOVERED 60 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 121 FIRST FINAL 222, SHUTIN PRESSURES: FINAL SHUT-IN 845 ON A 30 MIN TEST
DST FROM 13443 TO 13453 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 7 HOUR 30 MIN, FLOWED TSTM GAS WITH A TIME TO SURFACE OF 65 MINS, RECOVERED 100 FT GAS CUT MUD,RECOVERED 7500 FT HVY OIL GAS CUT MUD,RECOVERED 135 FT SALT WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 445 FIRST FINAL 2225, SHUTIN PRESSURES: FINAL SHUT-IN 4360 ON A 602 HOUR TEST
DST FROM 13453 TO 13486 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR RESULTS OF DST: OPE, RECOVERED 9600 FT MUD,RECOVERED 180 FT SALT WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 3450 FIRST FINAL 3500, SHUTIN PRESSURES: FINAL SHUT-IN 4545 ON A 30 MIN TEST

<<CORE INFORMATION>>

TOOK CORES: 8952 TO 8954 RECOVERED 2.0 FT LITHOLOGY-(LLS), 8954 TO 9005 RECOVERED 51.0 FT DETAILED DESCRIPTION OF 21.00 LITHOLOGY-(LS) DETAILED DESCRIPTION OF 4.00 LITHOLOGY-(DOL) SHOWS-(COR-U FAIR STN-U) DETAILED DESCRIPTION OF 8.00 LITHOLOGY-(LS) DETAILED DESCRIPTION OF 7.00 LITHOLOGY-(DOL) DETAILED DESCRIPTION OF 11.00 LITHOLOGY-(LS), 9005 TO 9051 RECOVERED 44.0 FT DETAILED DESCRIPTION OF 19.00 LITHOLOGY-(LS) DETAILED DESCRIPTION OF 16.00 LITHOLOGY-(LS) POROSITY-(F) SHOWS-(GLCO SATF) DETAILED DESCRIPTION OF 9.00 LITHOLOGY-(ANHY ANHY), 9744 TO 9802 RECOVERED 58.0 FT LITHOLOGY-(LLS), 9802 TO 9850 RECOVERED 48.0 FT DETAILED DESCRIPTION OF 20.50 LITHOLOGY-(LS) SHOWS-(STN-U FLU-U) DETAILED DESCRIPTION OF 1.50 LITHOLOGY-(LS) DETAILED DESCRIPTION OF 1.50 LITHOLOGY-(LS) SHOWS-(SS) DETAILED DESCRIPTION OF 12.00 LITHOLOGY-(LS) SHOWS-(OIL) DETAILED DESCRIPTION OF 12.50 LITHOLOGY-(LS) SHOWS-(OIL)
TOOK CORES: 9850 TO 9898 RECOVERED 48.0 FT DETAILED DESCRIPTION OF 6.50 LITHOLOGY-(LS) DETAILED DESCRIPTION OF 5.50 LITHOLOGY-(LS) DETAILED DESCRIPTION OF 34.00 LITHOLOGY-(LS) SHOWS-(STN-U FLU-U) DETAILED DESCRIPTION OF 2.00 POROSITY-(L), 9898 TO 9950 RECOVERED 50.0 FT DETAILED DESCRIPTION OF 12.50 LITHOLOGY-(SH SH) SHOWS-(FLCO SATF) DETAILED DESCRIPTION OF 10.50 LITHOLOGY-(LS) DETAILED DESCRIPTION OF 4.00 LITHOLOGY-(LS) SHOWS-(STN-U FLU-U) DETAILED DESCRIPTION OF 2.00 LITHOLOGY-(LS) POROSITY-(T) SHOWS-(TRCE STN-U TRCE FLU-U), 13403 TO 13413 RECOVERED 10.0 FT LITHOLOGY-(SSH), 13413 TO 13420 RECOVERED 7.0 FT DETAILED DESCRIPTION OF 1.50 LITHOLOGY-(SH) DETAILED DESCRIPTION OF 5.50 LITHOLOGY-(OOL) SHOWS-(GOOD OIL SLI STN-U), 13425 TO 13433 RECOVERED 7.1 FT LITHOLOGY-(SSH OOL) DETAILED DESCRIPTION FROM 10431 TO 10432 SHOWS-(OSTN O-FLU)
TOOK CORES: 13433 TO 13443 RECOVERED 3.1 FT LITHOLOGY-(OOL) POROUS ZONE-(TYPE: FU) SHOWS-(OSTN O-FLU), 13443 TO 13483 RECOVERED 3.0 FT LITHOLOGY-(OOL) POROUS ZONE-(TYPE: U) SHOWS-(GLCO OSTN O-FLU)

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-03376-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-E)

STATE: NM COUNTY: LEA SEC: 02 TWP: 21S RNG: 33E
COMPANY: MAGNOLIA PET. CO.
LEASE: NEW MEXICO-STATE S WELL NO: 1 FIELD: ANDERSON RANCH DEVON
LAT: 32.96240 LON: 103.72330

TREATED PERF INTERVAL AT 13413 TO 13416 BY ACID USING 500 GALS ACID
TREATED PERF INTERVAL AT 13413 TO 13416 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 13413 TO 13416 BY ACID USING 2000 GALS ACID
TREATED PERF INTERVAL AT 13443 TO 13450 BY ACID USING 500 GALS ACID
TREATED PERF INTERVAL AT 13443 TO 13447 BY ACID USING 250 GALS ACID
TREATED PERF INTERVAL AT 13442 TO 13447 BY ACID USING 250 GALS ACID
TREATED PERF INTERVAL AT 13442 TO 13447 BY ACID USING 500 GALS ACID
TREATED PERF INTERVAL AT 13442 TO 13447 BY ACID USING 500 GALS ACID
TREATED PERF INTERVAL AT 13442 TO 13447 BY ACID USING 500 GALS ACID
RAN THE FOLLOWING LOGS: ES,LL,ML,CBNL,GRL,GFL FROM) TO 13505 BY SCHL,SCL FROM 0
TO 13498 BY SCHL, *** DUMMY PGM CTL TO CORRECT TOPS ENERCO FLAG *** DUMMY PGM
CTL TO CORRECT CORED INT DEPTHS) SEQ18

RE-ENTERED: ON 04-30-1955 LEASE CARRIED AS THE MAGNOLIA PET. CO. NUMBER 1 NEW
MEXICO-STATE S
RECOMPLETED 07-14-1959, INITIAL FIELD, FINAL OIL.
RECOMPLETED 03-10-1962, INITIAL FIELD, FINAL M-OIL.

07/29/90 AMOCO PRODUCTION COMPANY API NO: 30-025-03369-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 2 TWP: 21S RNG: 32E
COMPANY: GULF OIL CORP
LEASE: LEA-STATE CL A WELL NO: 1 FIELD: ANDERSON RANCH DEVON
LAT: 32.95780 LON: 103.72380
LOCATION NARRATIVE: 2651FN L 1650FE L SEC

SPUD DATE: 09-13-1956 COMP DATE: 01-17-1957 ELEV: 4312 DF ELEV: 4301 GR
DRILLERS TD: 13395 LOG TD:

<<CASING>>

13-24/64	@ 618	W/ 700	SX
09-40/64	@ 4199	W/ 2550	SX
07-00/64	@ 13368	W/ 1355	SX
	@	W/	SX
	@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODOIL,,
RE-ENTERED 1966,HC SHOW,IP DATA,PAN: GRNL GRL

<<INITIAL POTENTIAL>>

PFS 13368-13395 WITH/IP OIL: 357BLS/D GAS: SW:
HOUR TEST: 24 CH: 45/64 TP: 35 SITP: GOR: 838 FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9708-9853, 9823-9933,11203-11276,13360-13380,

<<TOPS AND CLASS1>>

AMOCO-PROTOP	MSSP ----- 12686	TLDF ----- 6835	STRN -ZZZ-11120
ANHY ----- 1290	MORO ----- 12962	AEC ----- 7566	ATOK -ZZZ-11452
YTES ----- 2496	DVNN ----- 13364	WFMP ----- 8956	MRRW -ZZZ-12035
QUEN ----- 3336	FI TOPS	WSSP ----- 12500	CSTR -ZZZ-12386
SADR ----- 4000	ANDR ----- 1290	ADFC ----- 13262	MPLM -ZZZ-12523
GLRT ----- 5744	YTES ----- 2495	DVNN ----- 13352	SCLM -ZZZ-12711
DRKD ----- 6832	QUEN ----- 3335	INTERPOLATED TOP	MRTT -ZZZ-12796
WFMP ----- 8955	SADR ----- 4000	CSCC -ZZZ-10143	SLNG -ZZZ-12861
MSSP ----- 8955	GLRT ----- 5672	CNYN -ZZZ-10943	

<<INITIAL POTENTIAL>>

FROM OH AT 13368-13395 BY FLOW RECOVERED 357 BBLS/D OIL OVER A 24 HOUR PERIOD
USING 45/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 35 PSI CASING
PRESSURE PKR PSI PACKER SET AT 13219 FEET, GOR OF 838 RESULTS OF OIL
ANALYSIS: OIL GRAVITY OF 52.2

<<FORMATION TESTS>>

DST FROM 9708 TO 9853 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR 30 MIN, FLOWED GAS WITH A TIME TO SURFACE OF 6 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 33 MINS, FLOWED 38 BPH OIL WITH A TIME TO SURFACE OF 78 MINS GRAVITY OF RECOVERED FLUID-41.0 GOR OF 433, RECOVERED 21 BBLS OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 715 FIRST FINAL 1375, SHUTIN PRESSURES: FINAL SHUT-IN 3645 ON A 15 MIN TEST

DST FROM 9823 TO 9933 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 360 FT GAS CUT MUD,RECOVERED 8040 FT SUL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 3475 FIRST FINAL 3665, SHUTIN PRESSURES: FINAL SHUT-IN 3665 ON A 15 MIN TEST

DST FROM 11203 TO 11276 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, RECOVERED 90 FT SLI GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 110, SHUTIN PRESSURES: FINAL SHUT-IN 220 ON A 15 MIN TEST

DST FROM 13360 TO 13380 WITH 2000 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 5 HOUR 15 MIN, FLOWED GAS WITH A TIME TO SURFACE OF 50 MINS, FLOWED CUSH WITH A TIME TO SURFACE OF 60 MINS, FLOWED 72 BPH OIL WITH A TIME TO SURFACE OF 75 MINS GRAVITY OF RECOVERED FLUID-57.0 GOR OF 587, OPEN FLOWING PRESSURES: FIRST INITIAL 1730 FIRST FINAL 4075, SHUTIN PRESSURES: FINAL SHUT-IN FAILD ON A 30 MIN TEST

LINER: SET 05-00/64 INCH LINER 5 9568 TO 9982 (SEQUENCE NUMBER 10)
RAN THE FOLLOWING LOGS: GRNL,GRL FROM 20 TO 13393 BY FRONTR
RE-ENTERED: LEASE CARRIED AS THE GULF OIL CORP NUMBER 2 LEA-STATE CL A
RE-ENTERED: LEASE CARRIED AS THE GULF OIL CORP NUMBER 1 LEA-STATE CL
RE-ENTERED WITH TD IN THE DVNN
RECOMPLETED 03-18-1966, INITIAL DEV, FINAL OIL.
ABANDONED IN (WFMP), 03-18-1966.

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-03369-00
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EXPLORATION SYSTEMS SOUL TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 02 TWP: 016_S RNG: 032_E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 14 FIELD: ANDERSON RANCH DEVN.
LAT: 32.94790 LON: 103.73050
LOCATION NARRATIVE: 1980FS L 660FE L SEC

SPUD DATE: 05-21-1954 COMP DATE: 10-24-1954 ELEV: 4299 DF
DRILLERS TD: 13460 LOG TD:

<<CASING>>

13-24/64	@	897	W/ 500	SX
08-40/64	@	4200	W/ 3187	SX
05-32/64	@	13459	W/ 1190	SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODOIL, HC SHOW,IP DATA,PRODUCTION TESTS,FORMATION TESTS,TREATMENTS,RAN: CONL ES GRNL GRL

<<INITIAL POTENTIAL>>

PERS 13350-13392 WITH/IP OIL: 1468BBLS/D GAS: 1377MCFD SW:
HOUR TEST: 6 CH:48/64 TP: 100 SITP: GOR: 938 FW:
PERS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FW:
PERS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FW:
FORMATION TESTS: 9557-9860,10113-10406,11216-11415,13310-13380,

<<TOPS AND(BASES)>>

PI TOPS	PI SAMPLE TOPS	AEC -ZZZ- 6851	MPLM -ZZZ-12648
ANH ------ 7592	SADR ------ 4160	CSCC -ZZZ-10141	SCLM -ZZZ-12765
HUCO ------ 8393	INTERPOLATED TOP	CNYN -ZZZ-10595	SLRG -ZZZ-12887
MRSL ------12212	TUBB -ZZZ- 6851	STRN -ZZZ-11099	BSNT -ZZZ-12909
MSSP ------12675	DRKD -ZZZ- 6851	ATOK -ZZZ-11933	
WOFD ------13250	PSLV -ZZZ- 6851	MNRW -ZZZ-12149	
DVNN ------13345	WFMP -ZZZ- 6851	OSTS -ZZZ-12443	

<<INITIAL POTENTIAL>>

PERF PERF AT 13350-13392 BY FLOW RECOVERED 1468 BBLS/D OIL 1377 MCFD GAS OVER A 6 HOUR PERIOD USING 48/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 100 PSI CASING PRESSURE PKR PSI PACKER SET AT 13302 FEET PLUG-BACK TD 13410 FEET, GOR OF 938 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 39.0

<<PRODUCTION TESTS>>

FROM PERF AT 13351-13446 BY FLOW RECOVERED 467 BBLS OIL 92 BBLS/D WATER OVER A 14 HOUR PERIOD USING 48/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 150 PSI PACKER SET AT 12375 FEET PLUG-BACK TD 13487 FEET
FROM PERF AT 13336-13412 BY FLOW RECOVERED 356 BBLS OIL 98 BBLS/D WATER OVER A 12 HOUR PERIOD USING 1 00/64 INCH CHOKE, TEST PRESSURES: PACKER SET AT 12375 FEET PLUG-BACK TD 13487 FEET

<<FORMATION TESTS>>

DST FROM 9557 TO 9860 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 35 MIN, FLOWED 1251 MCFD GAS WITH A TIME TO SURFACE OF 10 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 12 MINS, FLOWED 107 BPH OIL WITH A TIME TO SURFACE OF 20 MINS, OPEN FLOWING PRESSURES: FIRST FINAL 3575, SHUTIN PRESSURES: FINAL SHUT-IN 3625 ON A 15 MIN TEST
DST FROM 10113 TO 10406 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 300 FT SUL WTR CUT MUD,RECOVERED 7850 FT SUL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 3750 FIRST FINAL 3775, SHUTIN PRESSURES: FINAL SHUT-IN 3825 ON A 15 MIN TEST
DST FROM 11216 TO 11415 WITH 1200 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 1200 FT WTR CUSH,RECOVERED 50 FT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 875, SHUTIN PRESSURES: FINAL SHUT-IN 1065 ON A 15 MIN TEST
DST FROM 13310 TO 13380 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR 45 MIN, FLOWED 399 MCFD GAS WITH A TIME TO SURFACE OF 90 MINS, FLOWED CUSH WITH A TIME TO SURFACE OF 105 MINS, FLOWED 25 BPH OIL WITH A TIME TO SURFACE OF 125 MINS, OPEN FLOWING PRESSURES: FIRST INITIAL 1025 FIRST FINAL 4160, SHUTIN PRESSURES: FINAL SHUT-IN 5040 ON A 15 MIN TEST

TREATED PERF INTERVAL AT 13350 TO 13392 BY ACID USING 1000 GALS ACID,
RAN THE FOLLOWING LOGS: CONL,ES,GRNL,GRL FROM 4100 TO 13447 BY PGAC

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AMOCO PRODUCTION COMPANY API NO: 30-025-00388-00

EXPLORATION SYSTEMS SCOUT TICKET (T-3)

SEC: 11 TWP: 016-S RNG: 032-E

STATE: NM COUNTY: LEA
COMPANY: CONTINENTAL OIL CO. WELL NO: B FIELD: ANDERSON RANCH DEVON
LEASE: ANDERSON RANCH UNIT LAT: 32.85340 LON: 103.73585

LOCATION NARRATIVE: 1980FS L 660FE L SEC

SPUD DATE: 11-18-1953 COMP DATE: 04-17-1954 ELEV: 4310 DF
DRILLERS TD: 13660 LOG TD:

<<CASING>>

13-24/64 @	505	W/ 500	SX
09-40/64 @	4248	W/ 3000	SX
05-32/64 @	13688	W/ 2170	SX
@		W/	SX
@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:D&A,WELL CLASS: TA,PE-
ENTERED 1956,HC SHOW,PRODUCTION TESTS,
FORMATION TESTS,TREATMENTS,RAN: LL ML GRNL
PALEO GRL,ATR DRILL

<<INITIAL POTENTIAL>>

PFS		WITH/IP OIL:	SITP:	GAS:	SW:
HOUR TEST:	OH:	/64 TP:		GOR:	FM:
PFS		WITH/IP OIL:	SITP:	GAS:	SW:
HOUR TEST:	OH:	/64 TP:		GOR:	FM:
PFS		WITH/IP OIL:	SITP:	GAS:	SW:
HOUR TEST:	OH:	/64 TP:		GOR:	FM:

FORMATION TESTS: 9705-9850,12093-12237,13391-13416,13261-13360,13231-1346-,

<<TOPS AND LEASES>>

PI TOPS			
GLRT -----	5692	WDFD ------13286	ABO -222- 6867
TUBB -----	6868	DVNN ------13377	CSCO -222-10146
ABO ------	7615	PI SAMPLE TOPS	CNYN -222-10796
HUCO -----	8985	SADR ------ 4330	STRN -222-11191
MSSP ------12705		INTERPOLATED TOP	ATOK -222-11764
		DEKO -222- 6867	VERA -222-12295

CSTR -222-12487
MPLM -222-13210
SCL 1 -222-12851
ELBG -222-12964
ELBG -222-13391
BRNT -222-13094

<<PRODUCTION TESTS>>

SWAB PERF AT 13430-13526 RECOVERED 63 BBLS OIL OVER A 11 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 13650 FEET
SWAB PERF AT 13430-13526 RECOVERED 71 BBLS OIL OVER A 24 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 13650 FEET
SWAB PERF AT 13430-13458 RECOVERED 96 BBLS/D WATER OVER A 24 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 13472 FEET
SWAB PERF AT 13430-13526 RECOVERED 13 BBLS/D WATER OVER A 7 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 13650 FEET
SWAB OH AT 13650-13445 RECOVERED 17 BBLS OIL 39 BBLS/D WATER OVER A 10 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 13455 FEET
SWAB PERF AT 12173-12192 RECOVERED 24 MCFD GAS 32 BBLS/D WATER, TEST PRESSURES: PLUG-BACK TO 12655 FEET
SWAB PERF AT 12623-12656, TEST PRESSURES: PLUG-BACK TO 12655 FEET

<<FORMATION TESTS>>

DST FROM 9705 TO 9850 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 12 MINS, RECOVERED 1150 FT HVY GAS CUT MUD,RECOVERED 210 FT HVY OIL GAS SUL WTR CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 715, SHUTIN PRESSURES: FINAL SHUT-IN 3125 ON A 15 MIN TEST
DST FROM 12093 TO 12237 WITH 2300 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, RECOVERED 2300 FT WTR CUSH,RECOVERED 658 FT SLI GAS CUT MUD,RECOVERED 564 FT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 1275, SHUTIN PRESSURES: FINAL SHUT-IN 4650 ON A 15 MIN TEST
DST FROM 13391 TO 12616 WITH 2400 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 85 MINS, RECOVERED 2400 FT GAS CUT WTR CUSH,RECOVERED 1080 FT GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 1680, SHUTIN PRESSURES: FINAL SHUT-IN 2400 ON A 15 MIN TEST
DST FROM 13261 TO 13416 RESULTS OF TEST: FKFE
DST FROM 13231 TO 13460 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 4 HOUR, RECOVERED 2500 FT WTR CUSH,RECOVERED 560 FT SLI OIL GAS CUT MUD,RECOVERED 120 FT OIL, OPEN FLOWING PRESSURES: FINAL SHUT-IN 4750 ON FIRST INITIAL 1200 FIRST FINAL 1400, SHUTIN PRESSURES: FINAL SHUT-IN A 15 MIN TEST
DST FROM 13459 TO 13528 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 35 MIN, RECOVERED 2500 FT WTR CUSH,RECOVERED 393 FT MUD
DST FROM 13466 TO 13528 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 2500 FT WTR CUSH,RECOVERED 30 FT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 1215, SHUTIN PRESSURES: FINAL SHUT-IN 1350 ON A 15 MIN TEST
DST FROM 13623 TO 13632 RESULTS OF DST: FKFE
DST FROM 13559 TO 13632 RESULTS OF DST: FKFE

AMOCO PRODUCTION COMPANY API NO: 30-025-00334-00

07/29/80
PAGE (2) 1 EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 11 TWP: 21S RNG: 32E
COMPANY: CONTINENTAL OIL CO. FIELD: ANDERSON RANCH DEVON
LEASE: ANDERSON RANCH UNIT WELL NO: LAT: 32.92340 LON: 103.73050

DST FROM 13662 TO 13632 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-30/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 2500 FT WTR CUSH,RECOVERED 20 FT MUD, OPEN FLOATING PRESSURES: FIRST FINAL 1875, SHUTIN PRESSURES: FINAL SHUT-IN 1575 ON A 15 MIN TEST

DST FROM 13012 TO 13089 WITH 2500 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-30/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, RECOVERED 2500 FT WTR CUSH,RECOVERED 480 FT SLI SLI WTR CUT MUD,RECOVERED 390 FT HVY SLI WTR CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 1020, SHUTIN PRESSURES: FINAL SHUT-IN 5175 ON A 15 MIN TEST

TREATED PERF INTERVAL AT 13490 TO 13526 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 13480 TO 13526 BY ACID USING 4000 GALS ACID
TREATED PERF INTERVAL AT 13380 TO 13456 BY ACID USING 2000 GALS ACID
TREATED PERF INTERVAL AT 13360 TO 13446 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 12173 TO 12192 BY CLAG USING 500 GALS ACID
TREATED PERF INTERVAL AT 12628 TO 12688 BY CLAG USING 1000 GALS ACID
RAN THE FOLLOWING LOGS: LL,ML,GRAL,PALEO BY PALEO,GRL FROM 4200 TO 13370 BY PGAC, *** DUMMY PGR CTL TO CORRECT TOPS RESTOP SEQUENCE 14

RE-ENTERED: LEASE CARRIED AS THE CONTINENTAL OIL CO. NUMBER 2 ANDERSON RANCH UNIT
RECOMPLETED CS-1F-105E, INITIAL FIELD, FINAL OBA.

07/29/80
PAGE (1) 1

AMOCO PRODUCTION COMPANY API NO: 30-025-03291-00

EXPLORATION SYSTEMS SOUT TICKET(T-3)

SEC: 11 TWP: 016 S RNG: 032 E

STATE: NM COUNTY: LEA
COMPANY: CONTINENTAL OIL CO
LEASE: ANDERSON RANCH UNIT WELL NO: 17 FIELD: ANDERSON RANCH DEVON
LAT: 32.93340 LON: 10367392

LOCATION NARRATIVE: 1980FS & 1980FW L-SEC

SPUD DATE: 04-08-1964 COMP DATE: 08-01-1964 ELEV: 4302 DF
DRILLERS TD: 13565 LOG TD:

<<CASING>>

13-24/64	@ 427	W/ 500	SX
08-40/64	@ 4230	W/ 2675	SX
05-32/64	@ 13565	W/ 1970	SX
	@	W/	SX
	@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:DRA,WELL CLASS: TA,RE:
ENTERED LOGS,EC SECN,ID DATA,PRODUCTION TESTS,
FORMATION TESTS,TREATMENTS,RAN: GS CONL GRDL
GRNL GRL

<<INITIAL POTENTIAL>>

PERFS 9754-9866 WITH/ID OIL: 1800BBLS/D GAS: 2668MCFD SW:
HOUR TEST: 4 CH: 48/64 TP: 500 SITP: GOR: 1482 FW:
PERFS WITH/ID OIL: SITP: GAS: SW:
HOUR TEST: CH: /64 TP: GOR: FW:
PERFS WITH/ID OIL: SITP: GAS: SW:
HOUR TEST: CH: /64 TP: GOR: FW:

FORMATION TESTS: 9612-9870,10360-10430,11413-11460,13300-13500,13306-1356_,

<<TOPS AND BASES>>

AMOCO-REDTOP
GLRT ----- 5671
DRKD ----- 6821
ABC ----- 7500
WFMP ----- 8945
SCLM -----12770
WOFD -----13335
DVNN -----13470
PI TOPS

ABO ----- 7374
PLCO ----- 8935
MRRW -----12385
MSSP -----12760
WOFD -----13232
DVNN -----13428
PI SAMPLE TOPS
ANDR ----- 1290
SALT ----- 1356

YTES ----- 2550
INTERPOLATED TOP
TUBB -ZZZ- 6847
PSLV -ZZZ- 6847
WFMP -ZZZ- 6847
CSCG -ZZZ-10092
CNYN -ZZZ-10616
STRN -ZZZ-11050
ATOK -ZZZ-11724

CSTR -ZZZ-12453
MPLM -ZZZ-12730
BRNT -ZZZ-12954
ELBG -ZZZ-12962
PI SAMPLE BASES
SALT ----- 2350

<<INITIAL POTENTIAL>>

PERF 9754-9866 BY FLOW RECOVERED 1800 BBLS/D OIL 2668 MCFD GAS OVER A 4 HOUR PERIOD USING 48/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 500 PSI CASING PRESSURE PKR PSI PLUG-BACK TO 9900 FEET, GOR OF 1482 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 42.0

<<PRODUCTION TESTS>>

SWAB PERF AT 13500-13530
SWAB PERF AT 13500-13530 RECOVERED 124 BBLS/D WATER OVER A 6 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 13550 FEET
SWAB PERF AT 13434-13475 RECOVERED 5 BBLS OIL 92 BBLS/D WATER OVER A 13 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 13485 FEET
PERF 9754-9866 BY FLOW RECOVERED 216 BBLS OIL 2668 MCFD GAS OVER A 3 HOUR PERIOD USING 48/64 INCH CHOKE, TEST PRESSURES: PLUG-BACK TO 9900 FEET

<<FORMATION TESTS>>

DST FROM 9612 TO 9870 WITH A 1-00/64 INCH TCP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR 30 MIN, FLOWED 2218 MCFD GAS WITH A TIME TO SURFACE OF 12 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 22 MINS, FLOWED 65 BPH OIL WITH A TIME TO SURFACE OF 30 MINS, OPEN FLOWING PRESSURES: FIRST FINAL 2550, SHUTIN PRESSURES: FINAL SHUT-IN 3400 ON A 15 MIN TEST
DST FROM 10360 TO 10430 WITH A 1-00/64 INCH TCP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 745 FT SUL WTR,RECOVERED 465 FT MUD CUT SUL WTR, OPEN FLOWING PRESSURES: FIRST FINAL 625, SHUTIN PRESSURES: FINAL SHUT-IN 3500 ON A 15 MIN TEST
DST FROM 11413 TO 11460 WITH A 1-00/64 INCH TCP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 32 FT MUD
DST FROM 13300 TO 13500 WITH 3500 FT MTR CUSH, WITH A 1-00/64 INCH TCP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 30 MIN, RECOVERED 3500 FT MTR CUSH,RECOVERED 100 FT GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 1880 FIRST FINAL 2240, SHUTIN PRESSURES: FINAL SHUT-IN 9240 ON A 15 MIN TEST
DST FROM 13306 TO 13560 WITH 3150 FT MTR CUSH, WITH A 1-00/64 INCH TCP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, RECOVERED 3150 FT GAS CUT MTR CUSH,RECOVERED 2340 FT OIL GAS CUT MUD,RECOVERED 2000 FT SUL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 1920 FIRST FINAL 3560, SHUTIN PRESSURES: FINAL SHUT-IN 9200 ON A 15 MIN TEST

TREATED PERF INTERVAL AT 13500 TO 13530 BY GLAC USING 200 GALS ACID
TREATED PERF INTERVAL AT 13500 TO 13530 BY ACID USING 2000 GALS ACID
TREATED PERF INTERVAL AT 9754 TO 9866 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 9754 TO 9866 BY ACID USING 2000 GALS ACID
RAN THE FOLLOWING LOGS: GS,CONL,GRDL,GRNL,GRL FROM 4200 TO 13540 BY LANE
RE-ENTERED: ON 03-22-1966 LEASE CARRIED AS THE CONTINENTAL OIL CO. NUMBER 17

EXPLORATION SYSTEMS SCOUT TICKET(T-2)

STATE: NM COUNTY: LEA SEC: 11 TWP: 016_S RNG: 032_E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 13 FIELD: ANDERSON RANCH DEVON
LAT: 32.94340 LON: 103.7392)

ANDERSON RANCH UNIT
RECOMPLETED 04-30-1955, INITIAL FIELD, FINAL OIL.

07/29/90
PAGE (1) 1 AMLCO PRODUCTION COMPANY API NO: 30-025-00402-00

EXPLORATION SYSTEMS SCOUT TICKET(T-7)

STATE: NM COUNTY: LEA
COMPANY: SHELL OIL COMPANY SEC: 23 TWP: 016 S RNG: 032 E
LEASE: EMERALD UNIT WELL NO: 1 FIELD: ANDERSON RANCH S WOL
LOCATION NARRATIVE: 660FN L 1980FW L SEC LAT: 32.91160 LON: 103.73910

SPUD DATE: 07-06-1962 COMP DATE: 10-12-1962 ELEV: 4302 DF
DRILLERS TD: 13523 LOG TD:

<<CASING>>
13-24/64 @ 421 W/ 400 SX
09-24/64 @ 4277 W/ 3675 SX
04-32/64 @ 9750 W/ 710 SX
04-32/64 @ 9210 W/ SX
@ W/ SX

<<CONDENSED WELL SUMMARY>>
INITIAL:WC,FINAL:OIL,WELL CLASS: PRODUCTIL,HC
SECW,IP DATA,PRODUCTION TESTS,LOST CIRC,
FORMATION TESTS,TREATMENTS,RAN: MLL IL GS ML
GRNL GRL CALP HYDR PALEO SPLL,PRODUCES FROM
WFMP,AIR DRILL

<<INITIAL POTENTIAL>>
PFS 9660- 9666 WITP/IP OIL: 1576BLS/D GAS: SW: 2BBLS/D
HOUR TEST: 24 CH:24/64 TP: 240 SITP: GOR: 1060 FM:WFMP
PFS - WITP/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITP/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9642-9671,10046-10325, 9989-10325,10496-10530,11866-1193_,

<<TOPS AND(BASES)>>

SI TOPS	DVNN -----13504	STRN -1ST-11360	PSLV -ZZZ- 6900
YTES ----- 2550	COMMERCIAL PALEO	ATCK -1ST-11550	WFMP -ZZZ- 6960
SADR ----- 4218	WFMP -1ST- 9220	MRRW -1ST-12230	STRN -ZZZ-11328
YESO ----- 5650	HCCG -1ST- 9220	CSTR -1ST-12680	MSSP -ZZZ-12821
ABO ----- 7642	HCCRD-1ST- 9280	INTERPOLATED TOP	SCLM -ZZZ-12926
WFMP ----- 9050	HCCBL-1ST- 9330	SVRV -ZZZ- 2751	ELBG -ZZZ-13078
ATOK -----11474	CSCG -1ST-10070	DRKD -ZZZ- 6900	BRNT -ZZZ-13128
MRLW -----12794	GRBG -1ST-10260	ABO -ZZZ- 6900	
MDRD -----13411	CNYN -1ST-10680	TUBB -ZZZ- 6900	

<<INITIAL POTENTIAL>>
FROM PERF AT 9660-9666 IN THE WFMP BY FLOW RECOVERED 197 BBLS/D OIL 2 BBLS/D WATER OVER A 24 HOUR PERIOD USING 24/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 240 DST CASING PRESSURE PKR DST PLUG-BACK TD 9713 FEET, GOR OF 1050 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 38.6

<<PRODUCTION TESTS>>
FROM PERF AT 9660-9666 BY FLOW RECOVERED 29 BBLS OIL 1 BBLS/D WATER OVER A 7 HOUR PERIOD USING 24/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 200 DST PLUG-BACK TD 9713 FEET
SWAB PERF AT 3750-3760 RECOVERED 60 BBLS OIL OVER A 8 HOUR PERIOD
SWAB PERF AT 3730-3750
SWAB PERF AT 3730-3750

<<FORMATION TESTS>>
DST FROM 9642 TO 9671 INITIAL OPEN 55 MIN, FLOWED 225 MCFD GAS WITH A TIME TO SURFACE OF 7 MINS GOR OF 760, FLOWED OIL GRAVITY OF RECOVERED FLUID-38.0, RECOVERED 65 BBLS MUD,RECOVERED 25 BBLS OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 143 FIRST FINAL 355, SHUTIN PRESSURES: INITIAL SHUT-IN 3853 ON A 1 HOUR TEST FINAL SHUT-IN FAILD
DST FROM 10055 TO 10325 RESULTS OF DST: PKRF
DST FROM 9989 TO 10325 INITIAL OPEN 1 HOUR, RECOVERED 3150 FT SUL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 1350 FIRST FINAL 2425, SHUTIN PRESSURES: INITIAL SHUT-IN 3800 ON A 1 HOUR TEST FINAL SHUT-IN 3325 ON A 55 MIN TEST
DST FROM 10496 TO 10530 INITIAL OPEN 30 MIN, RECOVERED 60 FT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 44 FIRST FINAL 59, SHUTIN PRESSURES: INITIAL SHUT-IN 104 ON A 1 HOUR TEST FINAL SHUT-IN 59 ON A 30 MIN TEST
DST FROM 11866 TO 11953 IN THE ATCK INITIAL OPEN 1 HOUR, RECOVERED 130 FT SALT WTR CUT MUD,RECOVERED 90 FT HVY SALT WTR CUT MUD,RECOVERED 130 FT MUD CUT SALT WTR,RECOVERED 600 FT SALT WTR,WATER ANALYSIS RESULTS: SALINITY OF 30000 PPM CL, OPEN FLOWING PRESSURES: FIRST INITIAL 246 FIRST FINAL 465, SHUTIN PRESSURES: INITIAL SHUT-IN 4520 ON A 1 HOUR TEST FINAL SHUT-IN 5203 ON A 45 MIN TEST
DST FROM 11217 TO 11280 RESULTS OF DST: PKRF
DST FROM 12112 TO 12458 RESULTS OF DST: PKRF
WLT TO 12280 RESULTS OF DST: PKRF
WLT TO 13281 RESULTS OF DST: PKRF
DST FROM 13128 TO 13181 INITIAL OPEN 3 HOUR 17 MIN, FLOWED 450 MCFD GAS WITH A TIME TO SURFACE OF 5 MINS, RECOVERED 40 FT SLT GAS CUT MUD,RECOVERED 130 FT SLT OIL HVY GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 150 FIRST FINAL 120, SHUTIN PRESSURES: INITIAL SHUT-IN 4270 ON A 1 HOUR TEST FINAL SHUT-IN 3560 ON A 001 HOUR 45 MIN TEST
DST FROM 13232 TO 13523 INITIAL OPEN 45 MIN, RECOVERED 190 FT MUD,RECOVERED

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-00402-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 23 TWP: 016_S RNG: 032_E
COMPANY: SHELL OIL COMPANY
LEASE: EMERALD UNIT WELL NO: 1 FIELD: ANDERSON RANCH S WOL
LAT: 32.91160 LON: 103.7391

3230 FT SALT SUL WTR,RECOVERED 460 FT MUD CUT SALT SUL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 668 FIRST FINAL 2670, SHUTIN PRESSURES: INITIAL SHUT-IN 5081 ON A 45 MIN TEST FINAL SHUT-IN 5106 ON A 20 MIN TEST

TREATED PERF INTERVAL AT 9660 TO 9666 BY CLAG USING 200 GALS ACID
TREATED PERF INTERVAL AT 3730 TO 3750 BY CLAG USING 1000 GALS ACID
TREATED PERF INTERVAL AT 3730 TO 3750 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 3730 TO 3750 BY FYD USING 15000 GALS DROPPED BY 15000 LBS SD
TREATED PERF INTERVAL AT 9660 TO 9666 BY ACID USING 2000 GALS ACID
RAN THE FOLLOWING LOGS: MLL,IL,SS,LL,WL,GRNL,GRL,CALP,HYDB,PALEO BY PALEOL,SPLL BY PERMAS,GEL FROM 0 TO 4280 BY SCHL, *** DUMMY PGM CTL TO CORRECT TOPS EMBOD FLAG

BK 20
LEA

MN00351

COUNTY Lea Fr. o Anderson Ranch-/ STATE N.M. NO OWWO
OPR Gulf Oil Corporation /Wolfcamp, North MAP
NO 1 LSE Lea-State "GE"
SEC 32 T 15S BLK R 32E SUR CO-ORD
LOC 660' fr N Line & 1980' fr E Line of Sec
Re- M' FROM Re-P&A CLASS dwlf EL 4335X
SPUD 8-25-63 COMP 9-8-63 FORMATION DATUM FORMATION DATUM
IBT
CSG & SX
TBG DEPTH SIZE
LOGS EL GR RA IND MC A
OTD 13655' PB 9858'
PROD INT. IP (DAILY RATE) BS&W GH GOR GTY C P. T P. HRS TEST
PLUGGED & ABANDONED

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CONT. McVay Drlg. Co.
DATE PROP DEPTH PB 9900' TYPE

F.R. 7-12-62, Wolfcamp. OWWO, OTD 13655',
Operator was Texas Pacific Coal & Oil Co., Orig.
P&A, PD 9900'

8-26-63 OTD 13655', cleaning out at 3938'.

9-3-63 OTD 13655', PB 9898', prep to test.
CO to 9912', Set BP @ 9898'.
Set retainer @ 9647', & squeezed old perfs
9760-9800' with 100 sx.
Perf 10/9874-79', 12/9885-91', treated 500 MA.

9-10-63 OTD 13655', PB 9858', PLUGGED & ABANDONED.
Fld. 3 BO/30" & died, swbd 16 BW, no oil, in 3
hrs from perrs 9874-91'.
Set BP @ 9858', Perf 24/9816-9828', treated 1500
gals acid, swbd 35 BO + 75 BW in 8 hrs.

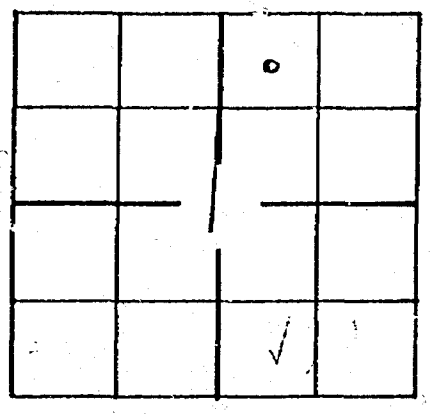
FORM SIL 10-45 Dist. 5-A

SCOUT TICKET

OUR NO. #6585

COUNTY Lea 3 miles SW of Stanolind Lse. #109165 MN00351

STATE New Mexico (Wildcat) ELEV.



OPERATOR Texas Pacific Coal and Oil

FARM Lane-Mill Unit WELL NO. 1

SEC. 32 T. 15S R. 32E

SURVEY BLK. SURVEY

LOC. 660 FR. N FR. S 1980 FR. E FR. W

SPUD 11-2-52 COMP. 12-18-52 T.D. 13,460' PB

CONTRACTOR TP

SHOT

T. AN. 1215 PROD. IP

T. SALT GOR. GR.

B. SALT PRESSURE: CASING TUBING

T. YATES 2504 REMARKS:

T. GRAYBURG

T. S. A. 4074

T. GLOR. 5205 - cut

T. C. F.

T. TUBBS 6125 cut QUEEN 3314

T. MISS. 12895 SCT. SEVEN R.

T. DEV. 13102 DRINK.

T. SIL. DBO. 7652

T. MONTOYA W. C. 8966

T. SIMPSON FUSS,

T. ELLEN McKEE

13 3/8 300 350

9 5/8 4154 1525

7" 7703 500

11-7-52	RURT. 13,460' test.		DST 9695-9715
NOV 12 1952	∅ 1161 P.B.		op 30 GTS 51 MCF
NOV 19 1952	∅ 5290 An. Cgp.		40 46 MCF
NOV 26 1952	∅ 3165 sand &		Rec 3000 Oil + 400
DEC 3 1952	TD 11056 lm ssc		OCM + 20 Fm. Wtr
DEC 10 1952	∅ 5195 Lm		FP 500-1650 Stabilized
DEC 17 1952	∅ 5995 Lm	FEB 11 1953	∅ 9971 Lm
DEC 22 1952	∅ 6525 Lm		ES 9709-45 Fm. Wtr
JAN 6 1953	∅ 7625 Lm Sh.		Shale
JAN 14 1953	∅ 8670 Lm Sh.		ES 9886-9930 Lm Sh.
JAN 21 1953	∅ 9175 Lm Ch		Por Sh. Odor Fm.
	DST 9864-9957		DST 9787-9830
	op 1½		op 1½ GTS
	Rec 660' Mud		Rec 1000 SGCM
JAN 28 1953	∅ 9671 Lm Ch		M + 450 SGCM
	DST 9966-9996		990 SGCM
	op 3½		FP 500-550 Stabilized
	Rec 60' SGCM	FEB 18 1953	∅ 10 405 Lm
FEB 4 1953	∅ 9971 Lm		DST 9966-9996
	DST 9830-9886		op 3½
	op 3½ GTS 13MCF		Rec 1000 SGCM
	Rec 990 HOCM + GCM		FP 500-550 Stabilized
	FP 375 30M 225		DST 10,016-10,056
	ES 9788-9830 Lm Sh		op 3½
	Por Sh		Rec 1000 SGCM

LOG

	DST 10350-370				
	gel 3lbs				
	Rec 1000 WB	540	GEMC Sul W		
	FP 200				
FEB 25	1953 ϕ 10,660 Lm				
MAR 4	1953 ϕ 10,959 Lm	Sh Sd			
MAR 11	1953 ϕ 11,437 Lm	Ch			
MAR 18	1953 ϕ 11,750 Lm				
MAR 25	1953 ϕ 12,145 Lm	"			
[illegible] 1	1953 ϕ 12,371 Lm	Sd			
APR 8	1953 ϕ 12,559 Lm	Ch			
APR 15	1953 ϕ 12,823 Lm	Sh		EDP TOPS	
APR 22	1953 ϕ 13,056 Lm	Ch			
APR 29	1953 ϕ 13,063 Lm	Ch		Quinn Zone (Tgu)	
MAY 6	1953 ϕ 13,127 Lm				
MAY 13	1953 ϕ 13,342 Lm				
MAY 20	1953 ϕ 13,557 Ch				
MAY 27	1953 [illegible]				
	SLM 13617 - 619'				
	[illegible]				
	[illegible]				
	[illegible]				
	[illegible]				
	[illegible]				
	[illegible]				
	[illegible]				
JUN 3	1953 TD 13655 Lm		PB 9835 TSTC		
	Pack 190 9770-90				
	F 4380 5 Lm		CCP 7DM		
	F 1960 3 Lm		CCP 1961	EDITORS	
JUN 10	1953 TD 13655 Lm		PB 9835 TSTC		
	Mpump				
	Select 90 80 16 Rec 4 bbl				
	Sub 55 80 24 hr				
	H. M 5000				
	[illegible]				
JUN 15	1953 TD 13655 Lm		PB 9835 Lm		
	F 80 12 hr				
	Sub 1380 24 hr				
	" 380 24 hr				
JUN 24	1953 TD 13655 Lm		PB 9835 Lm		
	F 380 6 hr				
JUL 1	1953 TD [illegible]		PB 9835 TSTC		
	[illegible] 9770-90		[illegible]		
	Mpump				

FORM SII 10-45

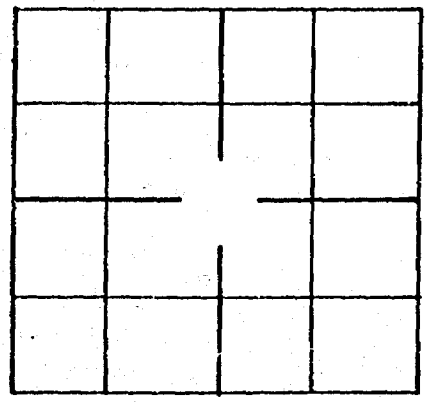
SCOUT TICKET

OUR NO

COUNTY

STATE

ELEV.



OPERATOR

FARM WELL NO.

SEC. T. R.

SEC. BLK. SURVEY

LOC. FR. N. FR. S. FR. E. FR. W.

SPUD. COMP. T.D. PB

CONTRACTOR TP

SHOT

T. AN. PROD. IP

T. SALT GOR. GR.

B. SALT PRESSURE: CASING TUBING

T. YATES REMARKS.

T. GRAYBURG

T. S. A.

T. GLOR.

T. C. F.

T. TUBB

T. MISS.

T. DEV.

T. SIL.

T. MONTOYA

T. SIMPSON

T. ELLEN

JUL 8 1953			
JUL 15 1953			
JUL 22 1953			
JUL 29 1953			
AUG 5 1953			
AUG 12 1953			

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-30375-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 2 TWP: 016_S RNG: 032_E
COMPANY: GULF OIL CORP
LEASE: LEA-STATE CR WELL NO: 3 FIELD: ANDERSON RANCH WEST
LAT: 32°55'50" LON: 103°47'20"
LOCATION NARRATIVE: 330FSL & 1980FW L SEC

SPUD DATE: 03-22-1955 COMP DATE: 01-24-1956 ELEV: 4307 KB
DRILLERS TD: 9912 LOG TD:

<<CASINGS>>

13-24/64	@	626	W/ 650	SX
08-40/64	@	4304	W/ 2000	SX
05-32/64	@	9911	W/ 275	SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODUCER, FC SHOW,IP DATA,PRODUCTION TESTS,FORMATION TESTS,TREATMENTS,RAN: ES GRNL GRL

<<INITIAL POTENTIAL>>

PERFS 9688- 9755 WITH/IP OIL: 38BBLS/D GAS: SW:
HOUR TEST: 24 OIL: /64 TP: SITP: GOR: 642 FM:
PERFS - WITH/IP OIL: GAS: SW:
HOUR TEST: OIL: /64 TP: SITP: GOR: FM:
PERFS - WITH/IP OIL: GAS: SW:
HOUR TEST: OIL: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9675- 9763, 9763- 9868, 9868- 9918,

<<TOPS AND(BASES)>>

AMOCO-REDTOP	GLRT 5670	ANDR 1283	TUBB 6866
ANHY 1285	GRKD 6870	YTES 2495	ABO 7626
YTES 2495	ABO 7543	QUEN 3320	ABAP 8943
QUEN 3320	ATMP 8385	SADR 4142	
SADR 4095	DI TOPS	GLRT 5673	

<<INITIAL POTENTIAL>>

FROM PERF AT 9688-9755 BY PUMP RECOVERED 38 BBLS/D OIL OVER A 24 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 9399 FEET, GOR OF 642 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 41.0

<<PRODUCTION TESTS>>

SWAB PERF AT 9842-9892
FROM PERF AT 9842-9892 BY FLOW RECOVERED 20 BBLS OIL OVER A 3 HOUR PERIOD USING 48/64 INCH CHOKE, TEST PRESSURES: PACKER SET AT 9758 FEET
FROM PERF AT 9842-9892 BY PUMP RECOVERED 50 BBLS OIL 10 BBLS/D WATER OVER A 24 HOUR PERIOD
SWAB PERF AT 9842-9864
SWAB PERF AT 9842-9864 RECOVERED 2 BBLS OIL 30 BBLS/D WATER OVER A 6 HOUR PERIOD
SWAB PERF AT 9688-9755
FROM PERF AT 9688-9755 BY PUMP RECOVERED 20 BBLS OIL 5 BBLS/D WATER OVER A 10 HOUR PERIOD

<<FORMATION TESTS>>

DST FROM 9675 TO 9763 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 30 MIN, RECOVERED 90 FT SLI GAS CUT MUD, SHUTIN PRESSURES: FINAL SHUT-IN 550 ON A 15 MIN TEST
DST FROM 9763 TO 9868 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 55 MINS, RECOVERED 240 FT OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 125, SHUTIN PRESSURES: FINAL SHUT-IN 750 ON A 15 MIN TEST
DST FROM 9868 TO 9918 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, FLOWED 267 MCFD GAS WITH A TIME TO SURFACE OF 5 MINS, FLOWED OIL GRAVITY OF RECOVERED FLUID-41.0, RECOVERED 90 FT OIL GAS CUT MUD,RECOVERED 7840 FT OIL, OPEN FLOWING PRESSURES: FIRST FINAL 875, SHUTIN PRESSURES: FINAL SHUT-IN 2325 ON A 15 MIN TEST

TREATED PERF INTERVAL AT 9876 TO 9892 BY ACID USING 2000 GALS ACID
TREATED PERF INTERVAL AT 9842 TO 9892 BY ACID USING 4000 GALS ACID
TREATED PERF INTERVAL AT 9842 TO 9864 BY ACID USING 2000 GALS ACID
TREATED PERF INTERVAL AT 9688 TO 9755 BY CLAG USING 500 GALS ACID
TREATED PERF INTERVAL AT 9688 TO 9755 BY ACID USING 10000 GALS ACID
RAN THE FOLLOWING LOGS: ES,GRNL,GRL FROM 40 TO 9910 BY SCHL

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AMOCO PRODUCTION COMPANY API NO: 30-025-25713-00

EXPLORATION SYSTEMS SCOUT TICKET(T-3)

SEC: 16 TWP: 21S RNG: 33E

STATE: NM COUNTY: LEA
COMPANY: BROWN E L
LEASE: ARCO STATE WELL NO: 1 FIELD: ANDERSON RANCH
LAT: 32.52874 LON: 103.76444

LOCATION NARRATIVE: 330FN L 1150FE L SEC

SPUD DATE: 01-22-1978 COMP DATE: 03-17-1978 ELEV: ELEV: 4232.9R

DRILLERS TD: 10100 LOG TD:

<<CASING>>

12-48/64 @	553	W/ 450	SX
08-40/64 @	4220	W/ 950	SX
@		W/	SX
@		W/	SX
@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:DEV,FINAL:DRA,WELL CLASS: D&A,HC SHOW,
RAN: TMPL

<<INITIAL POTENTIAL>>

FFS		WITH/IP OIL:		GAS:		SW:
HOUR TEST:	OH:	/64 TP:	SITP:	GOR:		FW:
FFS		WITH/IP OIL:		GAS:		SW:
HOUR TEST:	OH:	/64 TP:	SITP:	GOR:		FW:
FFS		WITH/IP OIL:		GAS:		SW:
HOUR TEST:	OH:	/64 TP:	SITP:	GOR:		FW:

FORMATION TESTS: 9640-9686, 9831-9958, 9958,10036-10048, 9593-9737, 9593-976,

<<TOPS ARC(CASES)>>

PI TOPS		
GLRT ----- 5585		
ABO ----- 7564		
WFMP ----- 9350		

<<FORMATION TESTS>>

DST FROM 9640 TO 9686 IN THE WFMP RESULTS OF DST: UNK
DST FROM 9831 TO 9958 IN THE WFMP, RECOVERED 200 FT OIL AND GAS CUT
MUD,RECOVERED 30 FT OIL,RECOVERED 30 FT WTR,RECOVERED 1000 FT GAS CUT OIL
DST FROM 10036 TO 10048 IN THE WFMP, RECOVERED 640 FT SLT OIL WTR
DST FROM 9593 TO 9737 IN THE ABO RESULTS OF DST: UNK
DST FROM 9593 TO 9766 IN THE ABO, RECOVERED 298 FT MUD,RECOVERED 2 FT OIL

RAN THE FOLLOWING LOGS: TMPL

07/29/90 AMOCO PRODUCTION COMPANY API NO: 30-025-00377-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 2 TWP: 016 S RNG: 032 E
COMPANY: MID-CONTINENT PET CORP
LEASE: STATE 76 WELL NO: 2 FIELD: ANDERSON RANCH WOLFC
LAT: 32.95510 LON: 103.73040
LOCATION NARRATIVE: 462 FS L 660 FE L SEC

SPUD DATE: 11-23-1954 COMP DATE: 01-20-1955 ELEV: 4306 DF
DRILLERS TD: 9960 LOG TD:

<<CASING>>

13-24/64 @	535	W/	500	SX
09-40/64 @	4206	W/	2500	SX
@		W/		SX
@		W/		SX
@		W/		SX

<<CONDENSED WELL SUMMARY>>
INITIAL:FIELD,FINAL:DRY,WELL CLASS: DRY,,NC
SHOW,GAS: ES GRL,AIR DRILL

<<INITIAL POTENTIAL>>

PFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9704-9753, 9753-9803, 9803-9853, 9844-9895, 9895-9960,

<<TOPS AND(PASTS)>>

PI TOPS	CLFK ----- 6247
ANDR ----- 1289	TUBB ----- 6650
YTES ----- 2479	ABO ----- 7580
SADR ----- 4119	WFMP ----- 8997
GLRT ----- 5670	SDRS ----- 9470

<<FORMATION TESTS>>

DST FROM 9704 TO 9753 INITIAL OPEN 3 HOURS, RECOVERED 1000 FT SLI OIL GAS CUT WTR CUSH,RECOVERED 90 FT OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 530, SHUTIN PRESSURES: FINAL SHUT-IN 650 ON A 15 MIN TEST

DST FROM 9753 TO 9803 WITH 1000 FT WTR CUSH, INITIAL OPEN 1 HOUR, RECOVERED 1000 FT WTR CUSH,RECOVERED 30 FT MUD, SHUTIN PRESSURES: FINAL SHUT-IN 650 ON A 15 MIN TEST

DST FROM 9826 TO 9853 WITH 1000 FT WTR CUSH, INITIAL OPEN 4 HOURS, RECOVERED 1000 FT SLI OIL GAS CUT WTR CUSH,RECOVERED 120 FT OIL CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 750, SHUTIN PRESSURES: FINAL SHUT-IN 700 ON A 15 MIN TEST

DST FROM 9844 TO 9895 WITH 1000 FT WTR CUSH, INITIAL OPEN 1 HOUR 30 MIN, RECOVERED 1000 FT WTR CUSH,RECOVERED 15 FT MUD NS, SHUTIN PRESSURES: FINAL SHUT-IN 700 ON A 15 MIN TEST

DST FROM 9950 TO 9960 WITH 1000 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 5 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 225 MINS, RECOVERED 1000 FT WTR CUSH,RECOVERED 7500 FT SUL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 550 FIRST FINAL 2120, SHUTIN PRESSURES: FINAL SHUT-IN 2285 ON A 15 MIN TEST

<<CORE INFORMATION>>

TOOK CORES: 9700 TO 9750 RECOVERED 50.0 FT LITHOLOGY-(LLS) POROUS ZONE-(TYPE: JPY) SHOWS-(FLE) GAS FAIR STNFL), 9750 TO 9827 RECOVERED 19.0 FT LITHOLOGY-(LLS SH) POROUS ZONE-(TYPE: SZ) SHOWS-(SLI STNFL SLI OCR-), 9827 TO 9827 RECOVERED 24.0 FT LITHOLOGY-(LLM) POROUS ZONE-(TYPE: SY) DETAILED DESCRIPTION FROM 9826 TO 9827 POROSITY-(G), 9828 TO 9853 RECOVERED 25.0 FT LITHOLOGY-(LLM) DETAILED DESCRIPTION OF 4.00 SHOWS-(SLI STN) DETAILED DESCRIPTION OF 6.00 POROSITY-(G) SHOWS-(GOOD STNOD) DETAILED DESCRIPTION OF 15.00 SHOWS-(NS), 9853 TO 9873 RECOVERED 20.0 FT LITHOLOGY-(LLS) POROUS ZONE-(TYPE: D) SHOWS-(SLI OCR-U), 9873 TO 9895 RECOVERED 10.0 FT LITHOLOGY-(LLM) POROUS ZONE-(TYPE: JU) SHOWS-(SCAT OCR-U), 9895 TO 9920 RECOVERED 28.0 FT DETAILED DESCRIPTION OF 23.00 LITHOLOGY-(LM) SHOWS-(NS) DETAILED DESCRIPTION OF 2.00 LITHOLOGY-(LM LM) SHOWS-(SLI STN) DETAILED DESCRIPTION OF 1.00 LITHOLOGY-(LLS) POROSITY-(S) SHOWS-(SLI GSTN) DETAILED DESCRIPTION OF 2.00 LITHOLOGY-(LM) SHOWS-(SLI GSTN)

TOOK CORES: 9920 TO 9960 RECOVERED 38.0 FT DETAILED DESCRIPTION OF 22.00 LITHOLOGY-(LM) SHOWS-(FAIR OCR-U FAIR STNFL) DETAILED DESCRIPTION OF 3.00 LITHOLOGY-(LM) SHOWS-(NS) DETAILED DESCRIPTION OF 4.00 LITHOLOGY-(LM) POROSITY-(G) DETAILED DESCRIPTION OF 5.00 LITHOLOGY-(LM) POROSITY-(G) SHOWS-(STNOD FLU) DETAILED DESCRIPTION OF 2.00 LITHOLOGY-(LM) POROSITY-(DT) SHOWS-(NS)

RAN THE FOLLOWING LOGS: ES,SIL RECV 5) TO 9967 BY SCHL, ***DUMMY PG* CTL TO CORRECT CORED INT DEPTHS*D SEQNE

RE-ENTERED: LEASE CARRIED AS TEX SUNRAY DX OIL CO NUMBER 2 STATE LAND 76

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AMOCO PRODUCTION COMPANY API NO: 30-025-21966-00

EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA
COMPANY: GULF OIL CORP SEC: ____2 TWP: 21S_S RNG: 32E_E
LEASE: EDDY-LEA STATE NCTA WELL NO: 1 FIELD: ANDERSON RANCH WOLFC
LOCATION NARRATIVE: 1980FN L 2310FW L SEC LAT: 32.95040 LON: 103.77382)

SPUD DATE: 11-27-1966 COMP DATE: 02-02-1967 ELEV: 4325 DF
DRILLERS TD: 9995 LOG TD:

<<CASING>>

13-24/64 @	522	W/	1100 SX
08-40/64 @	3450	W/	600 SX
05-32/64 @	9994	W/	730 SX
@		W/	SX
@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:DEV,FINAL:OIL,WELL CLASS: PRODOIL,EC
SHOW,ID DATA,PRODUCTION TESTS,DRILLING SHOW,
FORMATION TESTS,TREATMENTS,RAN: MICS GRNL SFC
ACSL CALP,PRODUCES FROM WFMP,AIR DRILL

<<INITIAL POTENTIAL>>

PFS 9779- 9786 WITH/ID OIL: 39[illegible]S/D GAS: GOR: SN:
HOUR TEST: 18 CH: 32/64 TP: 100 SITP: FM: WFMP
PFS - WITH/ID OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/ID OIL: GAS: SN:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS:

<<TOPS AND(BASES)>>

PI TOPS		TLSD ----- 6957	
ANDR -----	1293	AEC -----	7442
YTES -----	2814	WFMP -----	8920
SADR -----	4135		
GLRT -----	5670		

<<INITIAL POTENTIAL>>

FROM PERF AT 9779-9786 IN THE WFMP BY FLO, RECOVERED 391 BBLS/D OIL OVER A 18 HOUR PERIOD USING 32/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 100 PSI PLUG-BACK TD 9810 FEET, RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 40.2

<<PRODUCTION TESTS>>

SWAB PERF AT 9779-9786 RECOVERED 160 BBLS/D WATER OVER A 10 HOUR 30 MIN PERIOD
SWAB PERF AT 9839-9844 RECOVERED 34 BBLS/D WATER
SWAB PERF AT 9839-9844 RECOVERED 100 PCT WATER
SWAB PERF AT 9779-9786 IN THE WFMP RECOVERED 28 BBLS/D WATER

TREATED PERF INTERVAL AT 9839 TO 9844 BY ACID USING 500 GALS ACID
TREATED PERF INTERVAL AT 9839 TO 9844 BY ACID USING 500 GALS ACID
TREATED PERF INTERVAL AT 9839 TO 9844 BY ACID USING 500 GALS ACID
TREATED PERF INTERVAL AT 9779 TO 9786 BY ACID USING 500 GALS ACID
TREATED PERF INTERVAL AT 9779 TO 9786 BY ACID USING 500 GALS ACID
DRILLING SHOWS ENCOUNTERED: AT 1590 TO 1600 SHOW-(HF FROM TF HF), AT TD 2195 SHOW-(HF FROM TO HF)
RAN THE FOLLOWING LOGS: MICS BY PGAC,GRNL BY PGAC,FEC BY PGAC,ACSL BY PGAC,CALP BY PGAC, *** DUMMY FCM CTL TO CORRECT TOPS ENPROD FLAG

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AMOCO PRODUCTION COMPANY API NO: 30-025-21950-00

EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA
COMPANY: BURLESON AND HUFF
LEASE: SUNRAY--STATE WELL NO: 1 SEC: 2 TWP: 21S RNG: 32E
LOCATION NARRATIVE: 660FN L 2310FW L SEC LAT: 32.48300 LON: 103.73820 FIELD: ANDERSON RANCH

SPUD DATE: 01-04-1967 COMP DATE: 02-05-1967 ELEV: 4315 DF
DRILLERS TD: 9900 LOG TD:

<<CASING>>

13-24/64	@ 409	W/ 420	SX
09-40/64	@ 3450	W/ 650	SX
	@	W/	SX
	@	W/	SX
	@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:DEV,FINAL:DEA,WELL CLASS: DEA,PAN: CEL

<<INITIAL POTENTIAL>>

PFS - HOUR TEST: CH: WITH/ID CIL: /64 TP: SITP: GAS: SV:
GOR: FM:
PFS - HOUR TEST: CH: WITH/ID CIL: /64 TP: SITP: GAS: SA:
GOR: FM:
PFS - HOUR TEST: CH: WITH/ID CIL: /64 TP: SITP: GAS: SA:
GOR: FM:

FORMATION TESTS:

PI TOPS		<<TOPS AND CASES>>	
ANDR -----	1285	AEC -----	7520
SADR -----	4100	WFMP -----	8931
GLRT -----	5671		
TUBB -----	6990		

RAN THE FOLLOWING LOGS: GRL FROM 0 TO 9900 BY SCHL,GRL FROM 24 TO 9882 BY SCHL

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AMOCO PRODUCTION COMPANY API NO: 30-025-00371-00

EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA
COMPANY: GULF OIL CORP SEC: ___2 TWP: 21S RNG: 32E
LEASE: LEA-STATE CR WELL NO: 1 FIELD: ANDERSON RANCH WOLFC
LOCATION NARRATIVE: 330FS L 660FE L SEC LAT: 33.48150 LON: 103.73364

SPUD DATE: 08-28-1954 COMP DATE: 11-06-1954 ELEV: 4305 DF
DRILLERS TD: 9870 LOG TD:

<<CASING>>

13-24/64	@	628	W/	650 SX
09-40/64	@	4196	W/	2870 SX
05-32/64	@	9874	W/	300 SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODOIL,
FC SHOW,ID DATA,PAN: ES GRNL GFL,PRODUCES
FROM WFMP,ATS DRILL

<<INITIAL POTENTIAL>>

PFS 9773- 9843 WITH/ID OIL: 960BBLS/D GAS: SW:
HOUR TEST: 4 CH:48/64 TP: 100 SITP: GOR: 1367 FM:WFMP
PFS - WITH/ID OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/ID OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9510- 9539, 9639- 9733, 9728- 9837, 9833- 9875,

<<TOPS AND(BASES)>>

SI TOPS		TUBB ----- 6965	
ANDR ----- 1290		ADC ----- 7520	
YTES ----- 2185		WFMP ----- 8930	
SADR ----- 4096			
GLRT ----- 5660			

<<INITIAL POTENTIAL>>

FROM PERF AT 9773-9843 IN THE WFMP BY FLOW RECOVERED 960 BBLS/D OIL OVER A 4 HOUR PERIOD USING 48/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 100 PSI CASING PRESSURE PKR PST PACKER SET AT 9440 FEET PLUG-BACK TO 9858 FEET, GOR OF 1367 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 42.9

<<FORMATION TESTS>>

DST FROM 9510 TO 9539 WITH A 1-00/64 INCH TCP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 105 FT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 60, SHUTIN PRESSURES: FINAL SHUT-IN 70 ON A 15 MIN TEST

DST FROM 9639 TO 9733 WITH A 1-00/64 INCH TCP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 25 MINS, RECOVERED 360 FT HVY OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 140, SHUTIN PRESSURES: FINAL SHUT-IN 1870 ON A 15 MIN TEST

DST FROM 9728 TO 9837 WITH A 1-00/64 INCH TCP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR 20 MIN, FLOWED 1963 MCFD GAS WITH A TIME TO SURFACE OF 4 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 11 MINS, FLOWED OIL WITH A TIME TO SURFACE OF 15 MINS GRAVITY OF RECOVERED FLUID-42.0, FLOWED 73 BPH OIL, RECOVERED 30 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 450 FIRST FINAL 2615, SHUTIN PRESSURES: FINAL SHUT-IN 3550 ON A 15 MIN TEST

DST FROM 9833 TO 9875 WITH A 1-00/64 INCH TCP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR 40 MIN, FLOWED 1462 MCFD GAS WITH A TIME TO SURFACE OF 4 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 21 MINS, FLOWED 33 BPH OIL WITH A TIME TO SURFACE OF 25 MINS, FLOWED 27 BPH WTR, RECOVERED 25 BBLS OIL, RECOVERED 450 FT SUL WTR, RECOVERED 60 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 1150 FIRST FINAL 2320, SHUTIN PRESSURES: FINAL SHUT-IN 3515 ON A 15 MIN TEST

<<CORE INFORMATION>>

TOOK CORES: 9550 TO 9585 RECOVERED 37.0 FT LITHOLOGY-(LLM STRKS SH), 9585 TO 9639 RECOVERED 51.1 FT LITHOLOGY-(SSLY LM CHT), 9639 TO 9693 RECOVERED 23.0 FT LITHOLOGY-(LLM) POROUS ZONE-(TYPE: SUZ) DETAILED DESCRIPTION FROM 9644 TO 9683 SHOWS-(FLED OIL), 9683 TO 9733 RECOVERED 50.0 FT LITHOLOGY-(LLM STKS SH) DETAILED DESCRIPTION FROM 9701 TO 9707 SHOWS-(FLED O&G), 9733 TO 9783 RECOVERED 50.0 FT LITHOLOGY-(LLY) POROUS ZONE-(TYPE: Y) SHOWS-(DST), 9783 TO 9837 RECOVERED 54.0 FT LITHOLOGY-(LLM) SHOWS-(GOOD ODR-U GOOD STN-U), 9833 TO 9875 RECOVERED 38.0 FT LITHOLOGY-(LLY) POROUS ZONE-(TYPE: Y) SHOWS-(GOOD STN GOOD ODR-U)

RAN THE FOLLOWING LOGS: ES,GRNL,GFL FROM 50 TO 9885 BY SCHL, *** DUMMY PGM CTL TO CORRECT TOPS EMERGD FLAG *** DUMMY PGM CTL TO CORRECT CORED INT DEPTHSHIP SEGME

ABANDONED IN (WFMP), 12-06-1970.

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-20366-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 2 TWP: 21S RNG: 32E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 18 FIELD: ANDERSON RANCH WOLFC
LAT: 32.47900 LON: 103.74350
LOCATION NARRATIVE: 1980FS & 660FW L SEC

SPUD DATE: 04-21-1965 COMP DATE: 06-30-1965 ELEV: 4221 DF ELEV: 4222 GR
DRILLERS TD: 9920 LOG TO:

<<CASING>>

13-24/64	@ 627	W/	600	SX
08-40/64	@ 4162	W/	2358	SX
05-32/64	@ 9919	W/	303	SX
	@	W/		SX
	@	W/		SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODOIL,
HC SHOW,IP DATA,PRODUCTION TESTS,FORMATION
TESTS,TREATMENTS,RAN: ES GRNL GRL

<<INITIAL POTENTIAL>>

PERS 9720- 9903 WTR/IP OIL: 1008BBLS/D GAS: SW:
HOUR TEST: 6 CH:40/64 TP: 350 SITP: GOR: 1224 FM:
PERS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PERS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9725- 9880, 9881- 9920,

<<TOPS AND(BASES)>>

AMOCO-RRDTP	PI TOPS	SBPS ----- 9707
GLRT ----- 5700	GLRT ----- 5701	
DRKD ----- 6985	TUBB ----- 6890	
ABO ----- 7500	AEC ----- 7650	
WFMP ----- 8960	HLCC ----- 8966	

<<INITIAL POTENTIAL>>

FROM PERF AT 9720-9903 BY FLOW RECOVERED 1008 BBLS/D OIL OVER A 6 HOUR PERIOD USING 40/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 350 PSI CASING PRESSURE 280 PSI PLUG-BACK TO 9909 FEET, GOR OF 1224 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 42.0

<<PRODUCTION TESTS>>

FROM PERF AT 9890-9903 BY FLOW RECOVERED 46 BBLS OIL OVER A 5 HOUR PERIOD USING 48/64 INCH CHOKE, TEST PRESSURES: PACKER SET AT 9378 FEET PLUG-BACK TO 9909 FEET
FROM PERF AT 9846-9867 BY FLOW RECOVERED 28 BBLS OIL OVER A 2 HOUR PERIOD USING 11/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 500 PSI PACKER SET AT 9832 FEET PLUG-BACK TO 9884 FEET
FROM PERF AT 9778-9819 BY FLOW RECOVERED 60 BBLS OIL OVER A 2 HOUR PERIOD USING 40/64 INCH CHOKE, TEST PRESSURES: PACKER SET AT 9760 FEET PLUG-BACK TO 9832 FEET
FROM PERF AT 9720-9750 BY FLOW RECOVERED 82 BBLS OIL OVER A 3 HOUR PERIOD USING 40/64 INCH CHOKE, TEST PRESSURES: PACKER SET AT 9689 FEET PLUG-BACK TO 9760 FEET

<<FORMATION TESTS>>

DST FROM 9725 TO 9880 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR 45 MIN, FLOWED 500 MCFD GAS WITH A TIME TO SURFACE OF 5 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 100 MINS, FLOWED 16 BPH OIL WITH A TIME TO SURFACE OF 105 MINS, OPEN FLOWING PRESSURES: FIRST INITIAL 550 FIRST FINAL 1475, SHUTIN PRESSURES: FINAL SHUT-IN FAILD USING A 0-40/64 INCH TOP CHOKE
DST FROM 9881 TO 9920 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 4 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 15 MINS, RECOVERED 90 FT SALT WTR,RECOVERED 1080 FT OIL,RECOVERED 810 FT MUD CUT SUL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 250 FIRST FINAL 625, SHUTIN PRESSURES: FINAL SHUT-IN 2025 ON A 15 MIN TEST

TREATED PERF INTERVAL AT 9890 TO 9903 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 9846 TO 9867 BY ACID USING 2000 GALS ACID
TREATED PERF INTERVAL AT 9778 TO 9819 BY ACID USING 2000 GALS ACID
TREATED PERF INTERVAL AT 9720 TO 9750 BY ACID USING 2000 GALS ACID
RAN THE FOLLOWING LOGS: ES,GRNL,GRL FROM 9500 TO 9908 BY SCHL

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-00367-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 02 TWP: 016S RNG: 032E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 17 FIELD: ANDERSON RANCH WOLFC
LAT: 32.90790 LON: 103.73469
LOCATION NARRATIVE: 1980FS L 1980FE L SEC

SPUD DATE: 10-16-1954 COMP DATE: 12-29-1954 ELEV: 4283 DF
DRILLERS TD: 9967 LOG TD:

<<CASING>>

13-24/64	@	617	W/ 500	SX
08-40/64	@	4196	W/ 2300	SX
05-32/64	@	9966	W/ 268	SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODOIL,
RE-ENTERED 1957,FC SHOW,IP DATA,PRODUCTION
TESTS,FORMATION TESTS,TREATMENTS,RAN: ES GRNL
GRL,PRODUCED FROM WFMP,AIP DRILL

<<INITIAL POTENTIAL>>

PFS 9/30- 9810 WITH/IP OIL: 1560BBLS/D GAS: SW:
HOUR TEST: 6 CH:32/64 TP: 750 SITP: GOR: 1067 FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9500- 9620.

<<TOPS ANC(PASES)>>

AMOCO-REDTOP		PI SAMPLE TOPS	
GLRT	5648	SACR	4120
DRKO	6835	ABC	7500
ABC	7498	WFMP	8800
WFMP	8810		

<<INITIAL POTENTIAL>>

FROM PERF AT 9780-9810 BY FLOW RECOVERED 1560 BBLS/D OIL OVER A 6 HOUR PERIOD USING 32/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 750 PSI CASING PRESSURE 575 PSI PLUG-BACK TO 9966 FEET, GOR OF 1067 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 42.0

<<PRODUCTION TESTS>>

FROM PERF AT 9748-9810 BY FLOW RECOVERED 170 BBLS OIL OVER A 8 HOUR PERIOD USING 48/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 125 PSI PACKER SET AT 9734 FEET
FROM PERF AT 9748-9810 BY FLOW RECOVERED 408 BBLS OIL 2000 MCFD GAS OVER A 2 HOUR 30 MIN PERIOD USING 48/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 650 PSI PACKER SET AT 9734 FEET
FROM PERF AT 9680-9714 BY FLOW RECOVERED 105 BBLS OIL OVER A 3 HOUR PERIOD USING 48/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 200 PSI PACKER SET AT 9610 FEET PLUG-BACK TO 9734 FEET
FROM PERF AT 9850-9860 RECOVERED 100 PCT WATER
FROM PERF AT 9680-9810 RECOVERED 109 BBLS OIL 831 MCFD GAS 308 BBLS/D WATER OVER A 24 HOUR PERIOD, GOR OF 2119

<<FORMATION TESTS>>

DST FROM 9600 TO 9820 WITH A 1-30/64 INCH TO 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 28 MIN, FLOWED 4700 MCFD GAS WITH A TIME TO SURFACE OF 3 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 13 MINS, FLOWED 88 BPH OIL WITH A TIME TO SURFACE OF 22 MINS, OPEN FLOWING PRESSURES: FIRST INITIAL 2475 FIRST FINAL 3125, SHUTIN PRESSURES: FINAL SHUT-IN 3600 ON A 15 MIN TEST

<<CORE INFORMATION>>

TOOK CORES: 9670 TO 9722 RECOVERED 52.0 FT LITHOLOGY-(LLM) POROUS ZONE-(TYPE: SU) SHOWS-(FAIR STN-U), 9722 TO 9777 RECOVERED 54.0 FT LITHOLOGY-(CHRT LM) POROUS ZONE-(TYPE: SU) DETAILED DESCRIPTION FROM 9762 TO 9776 SHOWS-(GOOD STN-U), 9776 TO 9785 RECOVERED 7.0 FT LITHOLOGY-(LLM) POROUS ZONE-(TYPE: SU), 9785 TO 9820 RECOVERED 34.0 FT LITHOLOGY-(LLM) POROUS ZONE-(TYPE: GY) SHOWS-(SLI OIL BLED OIL), 9820 TO 9871 RECOVERED 51.0 FT DETAILED DESCRIPTION OF 2.50 LITHOLOGY-(DOL) POROSITY-(F) SHOWS-(FAIR STN-U) DETAILED DESCRIPTION OF 48.50 LITHOLOGY-(LM) SHOWS-(GOOD STN-U BLED OIL)

TREATED PERF INTERVAL AT 9748 TO 9810 BY ACID USING 2000 GALS ACID TYPE-(GA)
TREATED PERF INTERVAL AT 9680 TO 9714 BY CLAG USING 200 GALS ACID
TREATED PERF INTERVAL AT 9680 TO 9714 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 9680 TO 9810 BY ACID USING 1000 GALS ACID
RAN THE FOLLOWING LOGS: ES,SPAL,GRL FROM 4150 TO 9954,BY SCHL, *** DUMMY PGM CTL TO CORRECT TOPS EMBEDD FLAG *** DUMMY FSL CTL TO CORRECT CORED INT DEPTHSHO SEGVE

RE-ENTERED: ON 07-22-1957 LEASE CARRIED AS THE CONTINENTAL OIL CO. NUMBER 17 ANDERSON RANCH UNIT
RECOMPLETED 07-29-1957, INITIAL FIELD, FINAL OIL.

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-03364-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: ___2 TWP: 21S_3 RNG: 03?_E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 12 FIELD: ANDERSON RANCH WOLFC
LAT: 32.94430 LON: 103.73920
LOCATION NARRATIVE: 560FS L 1980FW L SEC

SPUD DATE: 03-17-1954 COMP DATE: 05-15-1954 ELEV: 4320 DF
DRILLERS TD: 9865 LOG TD:

<<CASING>>

13-24/64 @	410 W/	500 SX
08-40/64 @	4209 W/	2830 SX
05-32/64 @	9864 W/	805 SX
@	W/	SX
@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODOIL,
HC SHOW,JP DATA,TREATMENTS,RAN: LL ML GRNL GRL

<<INITIAL POTENTIAL>>

PERFS 9812- 9858 WITH/IP OIL: 1100BBLS/D GAS: SW:
HOUR TEST: 6 OIL:32/64 TP: 425 SITP: GOR: 1276 FM:
PERFS - WITH/IP OIL: GAS: SW:
HOUR TEST: OIL: /64 TP: SITP: GOR: FM:
PERFS - WITH/IP OIL: GAS: SW:
HOUR TEST: OIL: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9560- 9795, 9795- 9870,

<<TOPS AND(BASES)>>

PI TOPS
GLRT ----- 5875
TUBB ----- 6964
ABO ----- 7618
HUCO ----- 8927

<<INITIAL POTENTIAL>>

FROM PERF AT 9812-9858 BY FLOW RECOVERED 1100 BBLS/D OIL OVER A 6 HOUR PERIOD USING 32/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 425 PSI PLUG-BACK TD 9863 FEET, GOR OF 1276 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 42.0

<<FORMATION TESTS>>

DST FROM 9560 TO 9795 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 4 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 147 MINS, RECOVERED 480 FT GAS CUT MUD,RECOVERED 180 FT GAS SLI OIL CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 500, SHUTIN PRESSURES: FINAL SHUT-IN 900 ON A 25 MIN TEST

DST FROM 9795 TO 9870 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 16 MIN, FLOWED 1404 MCFD GAS WITH A TIME TO SURFACE OF 5 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 6 MINS, FLOWED 81 BPH OIL WITH A TIME TO SURFACE OF 8 MINS, OPEN FLOWING PRESSURES: FIRST FINAL 2135, SHUTIN PRESSURES: FINAL SHUT-IN 3210 ON A 15 MIN TEST

TREATED PERF INTERVAL AT 9812 TO 9858 BY ACID USING 500 GALS ACID
RAN THE FOLLOWING LOGS: LL,ML,GRNL,GRL FROM 4220 TO 9866 BY SCHL

07/29/80
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AMOCO PRODUCTION COMPANY API NO: 30-025-00379-00

EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 3 TWP: 016 S RNG: 032 E
COMPANY: PHILLIPS PET. CO. WELL NO: 1 FIELD: ANDERSON RANCH WOLFC
LEASE: AGGIE A LAT: 32.94700 LON: 103.74780
LOCATION NARRATIVE: 1978FS L 660FE L SEC ELEV: 4336 DF ELEV: 4327 GR

SPUD DATE: 08-02-1955 COMP DATE: 10-15-1955
DRILLERS TD: 10000 LOG TD:

<<CASING>>
13-24/64 @ 426 W/ 450 SX
08-40/64 @ 4210 W/ 1963 SX
05-32/64 @ 10000 W/ 150 SX
@ W/ SX
@ W/ SX

<<CONDENSED WELL SUMMARY>>
INITIAL:FIELD,FINAL:OIL,WELL CLASS: DEVELOPMENT,
PC SHOW,IP DATA,PRODUCTION TESTS,FORMATION
TESTS,TREATMENTS,PAY: ES VL GRL GSNL

<<INITIAL POTENTIAL>>
PFS 9718- 9900 WITP/IP OIL: 225 BBLS/D GAS: SW:
HOUR TEST: 24 CH: 16/64 TP: 200 SITP: GOR: 1213 FM:
PFS - WITP/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITP/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9720- 9880, 9880- 9990, 9990-10000,

<<TOPS AND BASES>>
AMOCO-PBTD
ANHY ----- 1300
YTES ----- 2540
QUEN ----- 3978
SADR ----- 4175
GLRT ----- 5700
ORKD ----- 6892
ABC ----- 7553
ATMP ----- 9979
PI TOPS
ANDR ----- 1300
YTES ----- 2540
SADR ----- 4173
GLRT ----- 5700
TUBB ----- 6890
ABO ----- 7620
WF 4P ----- 8090

<<INITIAL POTENTIAL>>
FROM PERF AT 9718-9900 BY FLOW RECOVERED 225 BBLS/D OIL OVER A 24 HOUR PERIOD. TEST
USING 16/64 INCH CHOKE. TEST PRESSURES: TUBING PRESSURE 200 PSI CASING
PRESSURE PKR PBTD PLUG-BACK TO 9955 FEET. GOR OF 1213 RESULTS OF OIL ANALYSIS:
OIL GRAVITY OF 40.0

<<PRODUCTION TESTS>>
FROM PERF AT 9876-9900 BY FLOW RECOVERED 18 BBLS OIL OVER A 1 HOUR PERIOD. TEST
PRESSURES: TUBING PRESSURE 150 PSI PLUG-BACK TO 9956 FEET
FROM PERF AT 9718-9864 BY FLOW RECOVERED 18 BBLS OIL OVER A 1 HOUR PERIOD USING
32/64 INCH CHOKE. TEST PRESSURES: TUBING PRESSURE 200 PSI PLUG-BACK TO 9865
FEET

<<FORMATION TESTS>>
DST FROM 9720 TO 9880 WITH 1440 FT MTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64
INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF
150 MINS, RECOVERED 1440 FT MTR CUSH,RECOVERED 180 FT GAS CUT MUD,RECOVERED
240 FT HVY GAS SLI OIL CUT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 925,
SHUTIN PRESSURES: FINAL SHUT-IN 1500 ON A 15 MIN TEST
DST FROM 9880 TO 9930 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL
OPEN 45 MIN, RECOVERED 150 FT WTR CUSH,RECOVERED 25 FT MUD NO GAS, OPEN FLOWING
PRESSURES: FIRST FINAL 675, SHUTIN PRESSURES: FINAL SHUT-IN 675 ON A 15 MIN
TEST
DST FROM 9930 TO 10000 WITH 1590 FT MTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64
INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 30 MIN, RECOVERED 1590 FT WTR
CUSH,RECOVERED 2610 FT SALT SLI WTR, OPEN FLOWING PRESSURES: FIRST INITIAL
775 FIRST FINAL 1525, SHUTIN PRESSURES: FINAL SHUT-IN 3525 ON A 15 MIN TEST

TREATED PERF INTERVAL AT 9876 TO 9900 BY SLUG USING 500 GALS ACID
TREATED PERF INTERVAL AT 9718 TO 9880 BY ACID USING 1000 GALS ACID
RAN THE FOLLOWING LOGS: ES,ML,GRL,GRNL,GRL FROM 50 TO 10010 BY SCHL

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-24171-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-2)

STATE: NM COUNTY: LEA SEC: 9 TWP: 21S RNG: 32E
COMPANY: FOSTER TESTERS
LEASE: AMOC-STATE WELL NO: 1 FIELD: ANDERSON RANCH WOLFC
LAT: 32.95492 LON: 103.72940
LOCATION NARRATIVE: 1980FS L 1980FE I SEC

SPUD DATE: 07-05-1972 COMP DATE: 10-22-1972 ELEV: 4346 DF
DRILLERS TD: 10615 LOG TD:

<<CASING>>

11-48/64 @	615 W/	500 SX	
08-40/64 @	4100 W/	600 SX	
05-32/64 @	10610 W/	375 SX	
@	W/	SX	
@	W/	SX	

<<CONDENSED WELL SUMMARY>>

INITIAL:NEW,FINAL:OIL,WELL CLASS: PRODUCTG,PC
SECW,IP DATA,PRODUCTION TESTS,LOST CIRC,
FORMATION TESTS,TREATMENTS,RAN: IL FOCUS ML
ACSL GRL,PRODUCES FROM WFMP

<<INITIAL POTENTIAL>>

PFS 9888- 9965 WITP/IP OIL: 711BBLS/D GAS: SW: 87BBLS/D
HOUR TEST: 8 CH: /64 TP: SITP: GOR: 2500 FM:WFMP
PFS - WITP/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITP/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9845- 9880, 9880- 9920, 9922- 9972,

<<TOPS ANC(BASES)>>

AMOCO-STRVAD	GLET ------ 5453	YTES ------ 2495	WFMP ------ 8870
ANDR ------ 1243	TUBB ------ 6869	SVRV ------ 2767	PSLV ------ 10153
YTES ------ 2471	ABO ------ 7633	QUEN ------ 3355	CNYN ------ 10563
SVRV ------ 2765	WFMP ------ 8872	PADR ------ 4218	INTERPOLATED TOP
QUEN ------ 3355	PVLM ------ 9870	GLET ------ 5453	ESLK -ZZZ- 1319
GRBG ------ 3971	BT TOPS	TUBB ------ 6990	DRKO -ZZZ- 6861
PADR ------ 4218	ANDR ------ 1243	ABO ------ 7542	CSCO -ZZZ-10130

<<INITIAL POTENTIAL>>

SWAB PERF AT 9888-9965 IN THE WFMP RECOVERED 711 BBLS/D OIL 87 BBLS/D WATER OVER A 8 HOUR PERIOD, TEST PRESSURES: FLUC-BACK TO 9990 FEET, GOR OF 2500 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 35.6

<<PRODUCTION TESTS>>

SWAB10522-10540 IN THE PSLV RECOVERED 20 BBLS/D WATER
SWAB PERF AT 10442-10464 IN THE PSLV RECOVERED 40 BBLS/D WATER
SWAB PERF AT 10212-10226 IN THE PSLV RECOVERED 10 BBLS/D WATER
SWAB PERF AT 10011-10021 IN THE WFMP RECOVERED 48 BBLS/D WATER OVER A 4 HOUR PERIOD
FRAC PERF AT 9888-9916 IN THE WFMP BY FLUID RECOVERED 80 BBLS OIL OVER A 12 HOUR PERIOD USING 32/64 INCH CHOKE

<<FORMATION TESTS>>

DST FROM 9845 TO 9880 IN THE WFMP INITIAL OPEN 1 HOUR, RECOVERED 35 FT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 44 FIRST FINAL 57 (060 MINUTES), SHUTIN PRESSURES: INITIAL SHUT-IN 998 ON A 1 HOUR TEST FINAL SHUT-IN 1231 ON A 005 HOUR TEST
DST FROM 9860 TO 9920 IN THE WFMP INITIAL OPEN 2 HOUR 15 MIN, FLOWED 140 MCFD GAS WITH A TIME TO SURFACE OF 15 MINS, RECOVERED 60 FT OIL AND GAS CUT MUD,RECOVERED 1400 FT MUD GAS CUT OIL,RECOVERED 90 FT OIL CUT WTR,RECOVERED 3000 FT HVY GAS CUT OIL, OPEN FLOWING PRESSURES: (135 MINUTES), SHUTIN PRESSURES: INITIAL SHUT-IN 3478 ON A 1 HOUR TEST FINAL SHUT-IN 3330 ON A 002 HOUR 30 MIN TEST
DST FROM 9922 TO 9972 IN THE WFMP INITIAL OPEN 4 HOUR 20 MIN, FLOWED 121 API OIL WITH A TIME TO SURFACE OF 140 MINS, RECOVERED 16 BBLS MUD CUT OIL,RECOVERED 90 FT SLI OIL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 1107 FIRST FINAL 931 (260 MINUTES), SHUTIN PRESSURES: INITIAL SHUT-IN 3238 ON A 1 HOUR TEST FINAL SHUT-IN 2047 ON A 002 HOUR TESTSHUT-IN SURFACE PRESSURE 1205PSI

TREATED PERF INTRVAL AT 9888 TO 9965 BY ACID USING 8000 GALS ACID
RAN THE FOLLOWING LOGS: IL,FOCUS,ML,ACSL,GIL FROM 0 TO 10800 BY DRES-A

07/23/90 AMOCO PRODUCTION COMPANY API NO: 30-025-20390-00
PAGE (1) 1 EXPLORATION SYSTEMS SCOUT TICKET(T-3)

SEC: 11 TWP: 16-S RNG: 33-E

STATE: NM COUNTY: LEA
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 11 FIELD: ANDERSON RANCH WOLFC
LAT: 32.83700 LON: 103.73990

LOCATION NARRATIVE: 1980FN L 1980FW L SEC

SPUD DATE: 03-08-1954 COMP DATE: 08-19-1954 ELEV: 4216 DF
DRILLERS TD: 9960 LOG TD:

<<CASING>>

13-24/64 @	602	W/	900 SX
08-40/64 @	4181	W/	2672 SX
05-32/64 @	9943	W/	676 SX
@		W/	SX
@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODUCTIL,
HC SHOW,IP DATA,PRODUCTION TESTS,FORMATION
TESTS,TREATMENTS,RAN: LL ML GRNL GRL

<<INITIAL POTENTIAL>>

PERFS 9734- 9960
HOUR TEST: 24 OIL: WITH/IP OIL: 29 BBLS/D GAS: SW:
/64 TP: GOR: FM:
PERFS - SITP: CAS: SW:
HOUR TEST: OIL: WITH/IP OIL: GOR: FM:
/64 TP: GAS: SW:
PERFS - SITP: GOR: FM:
HOUR TEST: OIL: WITH/IP OIL: SITP:
/64 TP:

FORMATION TESTS: 9664- 9805, 9790- 9860, 9860- 9905, 9907- 9950,

<<TOPS AND(DATUM)>>

AMOCO-PEDTD		WFMP ----- 9960	AFD ----- 7600
SADR -----	4190	DI TOPS	FLCC ----- 9945
GLFT -----	6460	SADR ----- 4194	
ORKD -----	6650	GLFT ----- 6653	
ABO -----	7510	TUBB ----- 6959	

<<INITIAL POTENTIAL>>

PERF AT 9734-9860 BY PUMP RECOVERED 29 BBLS/D OIL OVER A 24 HOUR PERIOD, FROM
TEST PRESSURES: PACKER SET AT 9726 FEET PLUG-BACK TO 9965 FEET, RESULTS OF
OIL ANALYSIS: OIL GRAVITY OF 42.0

<<PRODUCTION TESTS>>

SWAB PERF AT 9875-9898 RECOVERED 36 BBLS/D WATER OVER A 4 HOUR PERIOD
FROM PERF AT 9823-9860 BY FLOW RECOVERED 127 BBLS OIL OVER A 9 HOUR PERIOD, TEST
PRESSURES: PACKER SET AT 9815 FEET
SWAB PERF AT 9823-9860 OVER A 24 HOUR PERIOD
SWAB PERF AT 9734-9794
FROM PERF AT 9734-9860 BY FLOW RECOVERED 175 BBLS OIL OVER A 11 HOUR PERIOD,
TEST PRESSURES: PLUG-BACK TO 9943 FEET

<<FORMATION TESTS>>

DST FROM 9664 TO 9805 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL
OPEN 2 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 13 MINS, RECOVERED 390 FT
GAS CUT MUD,RECOVERED 180 FT SLI OIL GAS CUT MUD, OPEN FLOWING PRESSURES:
FIRST FINAL 330, SHUTIN PRESSURES: FINAL SHUT-IN 735 ON A 15 MIN TEST
DST FROM 9790 TO 9860 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL
OPEN 3 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 16 MINS, RECOVERED 200 FT
SLI OIL GAS CUT MUD,RECOVERED 210 FT HVY OIL GAS CUT MUD, OPEN FLOWING
PRESSURES: FIRST FINAL 195, SHUTIN PRESSURES: FINAL SHUT-IN 5285 ON A 15 MIN
TEST
DST FROM 9860 TO 9905 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL
OPEN 1 HOUR, RECOVERED 15 FT MUD, OPEN FLOWING PRESSURES: FIRST FINAL 45,
SHUTIN PRESSURES: FINAL SHUT-IN 45 ON A 15 MIN TEST
DST FROM 9907 TO 9950 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL
OPEN 1 HOUR 30 MIN, RECOVERED 195 FT SLI GAS CUT MUD,RECOVERED 5955 FT GAS
CUT SUL WTR, OPEN FLOWING PRESSURES: FIRST FINAL 2975, SHUTIN PRESSURES:
FINAL SHUT-IN 3225 ON A 15 MIN TEST

TREATED PERF INTERVAL AT 9875 TO 9898 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 9823 TO 9860 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 9823 TO 9860 BY ACID USING 4000 GALS ACID
TREATED PERF INTERVAL AT 9734 TO 9794 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 9734 TO 9794 BY ACID USING 5000 GALS ACID
RAN THE FOLLOWING LOGS: LL,ML,GRNL,GRL FROM 0 TO 13767 BY SCHL

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-00386-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-P)

STATE: NM COUNTY: LEA SEC: 11 TWP: 016_S RNG: 032_E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 10 FIELD: ANDERSON RANCH WOLFC
LAT: 32.93700 LON: 103.7305)
LOCATION NARRATIVE: 1980FN L &FOFE L SEC

SPUD DATE: 12-20-1958 COMP DATE: 03-05-1959 ELEV: 4308 DF
DRILLERS TD: 9675 LOG TD:

<<CASING>>

13-24/64	@	315	W/	500 SX
09-40/64	@	4191	W/	5675 SX
05-32/64	@	9674	W/	205 SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>
INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODOIL,
RE-ENTERED 1959,NO SHOW,NO DATA,PRODUCTION
TESTS,FORMATION TESTS,TREATMENTS,RAN: ES GRN
GRI

<<INITIAL POTENTIAL>>
PERFS 9756- 9815 WITH/IP OIL: 616BBLS/D GAS: SW:
HOURS TEST: 6 CH:20/64 TP: 600 SITP: GOR: 878 FM:
PERFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PERFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9655- 9825, 9824- 9875,

<<TOPS AND LEASES>>

RI TOPS	FUCC ----- 8852		
SADS ----- 4213			
GLET ----- 5681			
TUBB ----- 7660			
ABO ----- 7605			

<<INITIAL POTENTIAL>>
FROM PERF AT 9756-9815 BY FLOW RECOVERED 616 BBLS/D OIL OVER A 6 HOUR PERIOD USING 20/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 600 PSI CASING PRESSURE 1250 PSI PLUG-BACK TO 9858 FEET, GOR OF 878 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 42.0

<<PRODUCTION TESTS>>
SWAB PERF AT 9756-9815, TEST PRESSURES: PLUG-BACK TO 9858 FEET
FROM PERF AT 9756-9815 BY FLOW RECOVERED 149 BBLS OIL OVER A 5 HOUR PERIOD USING 1 20/64 INCH CHOKE, TEST PRESSURES: PLUG-BACK TO 9858 FEET

<<FORMATION TESTS>>
DST FROM 9655 TO 9825 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 15 MIN, FLOWED 1500 MCFD GAS WITH A TIME TO SURFACE OF 6 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 10 MINS, FLOWED 70 BPH OIL WITH A TIME TO SURFACE OF 12 MINS, OPEN FLOWING PRESSURES: FIRST FINAL 2200, SHUTIN PRESSURES: FINAL SHUT-IN 3425 ON A 15 MIN TEST
DST FROM 9824 TO 9875 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 30 MIN, FLOWED GAS WITH A TIME TO SURFACE OF 24 MINS, RECOVERED 1275 FT EVY OIL GAS CUT SALT SUL WTR, SHUTIN PRESSURES: INITIAL SHUT-IN 1250 FINAL SHUT-IN 5475 ON A 15 MIN TEST

TREATED PERF INTERVAL AT 9756 TO 9815 BY ACID USING 500 GALS ACID
TREATED PERF INTERVAL AT 9756 TO 9815 BY ACID USING 10000 GALS ACID
RAN THE FOLLOWING LOGS: ES,GRNL,GRL FROM 4158 TO 9844 BY WELEX
RE-ENTERED: LEASE CARRIED AS THE CONTINENTAL OIL CO. NUMBER 10 ANDERSON RANCH UNIT
RECOMPLETED 12-24-1959, INITIAL FIELD, FINAL OIL.

07/29/90 AMOCO PRODUCTION COMPANY API NO: 30-025-03387-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 11 TWP: 016_S RNG: 032_E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 5 FIELD: ANDERSON RANCH WOLFC
LAT: 32.93340 LON: 103.73499
LOCATION NARRATIVE: 1980FS L 1980FE L SEC

SPUD DATE: 08-20-1953 COMP DATE: 12-22-1953 ELEV: 4306 DF
DRILLERS TD: 10010 LOG TD:

<<CASING>>

13-24/64 @	524 W/	500	SX
09-40/64 @	4230 W/	3350	SX
07-00/64 @	10002 W/	362	SX
@	W/		SX
@	W/		SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODUCIL,
PC SHOW,IP DATA,PRODUCTION TESTS,FORMATION
TESTS,TREATMENTS,RAN: ES GRNL GRL

<<INITIAL POTENTIAL>>

PFS 9742- 9884 WITH/IP OIL: 309BBLS/D GAS: SW:
HOUR TEST: A CH: 06/64 TP: 200 SITP: GOR: 222 FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9700- 9900, 9934-10010,

<<TOPS AND(BASES)>>

AMOCO-PENTOP	ABMD ----- 9575	ABC ----- 7590	
SADR ----- 4215	PI TOPS	PLCC ----- 8560	
GLRT ----- 5671	SADR ----- 4130		
DRKD ----- 6660	GLRT ----- 5665		
ABD ----- 7515	TUBB ----- 6334		

<<INITIAL POTENTIAL>>

FROM PERF AT 9742-9834 BY FLOW RECOVERED 308 BBLS/D OIL OVER A 6 HOUR PERIOD
USING 06/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 200 PSI CASING
PRESSURE 850 PSI PACKER SET AT 9590 TEST PLUG-BACK TD 9842 FEET, GOR OF 222
RESULTS OF OIL NALYSIS: OIL GRAVITY OF 42.0

<<PRODUCTION TESTS>>

SWAB PERF AT 9854-9910 RECOVERED 40 BBLS OIL 54 BBLS/D WATER OVER A 13 HOUR
PERIOD, TEST PRESSURES: PLUG-BACK TD 9946 FEET
SWAB PERF AT 9859-9884, TEST PRESSURES: PACKER SET AT 9845 FEET PLUG-BACK TD
9889 FEET
SWAB PERF AT 9742-9790 RECOVERED 195 BBLS OIL OVER A 18 HOUR PERIOD
SWAB PERF AT 9816-9843, TEST PRESSURES: PACKER SET AT 9811 FEET
SWAB PERF AT 9742-9834 RECOVERED 28 BBLS OIL OVER A 10 HOUR PERIOD
SWAB PERF AT 9742-9834 RECOVERED 240 BBLS OIL OVER A 10 HOUR PERIOD
SWAB PERF AT 9742-9834 RECOVERED 93 BBLS OIL 14 BBLS/D WATER OVER A 12 HOUR
PERIOD

<<FORMATION TESTS>>

DST FROM 9700 TO 9900 WITH A 1-00/64 INCH TOP 6-10/64 INCH BOTTOM CHOKE, INITIAL
OPEN 2 HOUR 30 MIN, FLOWED GAS WITH A TIME TO SURFACE OF 55 MINS, RECOVERED
5878 FT HVY OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 800 FIRST
FINAL 2600, SHUTIN PRESSURES: FINAL SHUT-IN 3175 ON A 15 MIN TEST
DST FROM 9934 TO 10010 WITH 570 FT WTR CUSH, WITH A 1-00/64 INCH TOP 6-40/64
INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, RECOVERED 570 FT WTR CUSH,RECOVERED
7630 FT SUL WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 1225 FIRST FINAL 3600,
SHUTIN PRESSURES: FINAL SHUT-IN 3700 ON A 15 MIN TEST

TREATED PERF INTERVAL AT 9836 TO 9910 BY CLAS USING 500 GALS ACID
TREATED PERF INTERVAL AT 9859 TO 9884 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 9742 TO 9790 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 9816 TO 9843 BY ACID USING 500 GALS ACID
TREATED PERF INTERVAL AT 9816 TO 9834 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 9742 TO 9834 BY ACID USING 2000 GALS ACID
TREATED PERF INTERVAL AT 9742 TO 9834 BY ACID USING 3000 GALS ACID
TREATED PERF INTERVAL AT 9742 TO 9834 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 9742 TO 9834 BY ACID USING 6000 GALS ACID
RAN THE FOLLOWING LOGS: ES,GRNL,GRL FROM 9400 TO 9946 BY WESTERN

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EXPLORATION SYSTEMS SCOUT TICKET(T-2)

STATE: NM COUNTY: LEA SEC: 11 TWP: 016S RNG: 033E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 4 FIELD: ANDERSON RANCH WOLFC
LAT: 32.84060 LON: 103.73430
LOCATION NARRATIVE: 660FN L 1980FE L SEC

SPUD DATE: 08-10-1953 COMP DATE: 07-20-1953 ELEV: 4316 DF
DRILLERS TD: 9914 LOG TD:

<<CASING>>

13-24/64	@	559	W/ 600	SX
09-40/64	@	4200	W/ 3775	SX
07-00/64	@	9913	W/ 250	SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:WC,FINAL:OIL,WELL CLASS: PRODOIL,HC SHOW,IP DATA,PRODUCTION TESTS,FORMATION TESTS, TREATMENTS,RAN: ES GRNL PALEO GRL,PRODUCES FROM WFMP,ATT DRILL

<<INITIAL POTENTIAL>>

PERS 9760- 9828 WTR/IP OIL: 1758 BLS/D GAS: SW:
HOUR TEST: 4 CH: 32/64 TP: 125 SITP: GOR: 313 FM: WFMP
PERS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PERS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 2550- 9841, 9841- 9914,

<<TOPS AND(BASES)>>

AMOCO-REDTOP	PI TOPS	TUBB ----- 6939	INTERPOLATED TOP
SADR ----- 4200	ANDR ----- 1245	AEC ----- 7586	RSLR -ZZZ- 1409
GLRT ----- 5660	SALT ----- 1417	WFMP ----- 9510	SVRV -ZZZ- 2780
DRKD ----- 6840	YTES ----- 2560	SDRS ----- 9656	QUEN -ZZZ- 3380
ABO ----- 7455	SADR ----- 4188	COMERCIAL PALEO	
WFMP ----- 8910	GLRT ----- 5663	WFMP -1ST- 9682	

<<INITIAL POTENTIAL>>

PERF AT 9760-9828 IN THE WFMP BY FLOW RECOVERED 1758 BLS/D OIL OVER A 4 HOUR PERIOD USING 32/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 125 PSI CASING PRESSURE 325 PSI PLUG-BACK TO 9846 FEET, GOR OF 313 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 42.0

<<PRODUCTION TESTS>>

FROM PERF AT 9760-9828 BY FLOW RECOVERED 237 BBLS OIL OVER A 2 HOUR PERIOD USING 48/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 50C PSI

<<FORMATION TESTS>>

DST FROM 9650 TO 9841 WITH 1000 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 60 MIN, FLOWED CUSH WITH A TIME TO SURFACE OF 15 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 25 MINS, FLOWED GAS WITH A TIME TO SURFACE OF 25 MINS, FLOWED 60 BPH OIL WITH A TIME TO SURFACE OF 25 MINS, OPEN FLOWING PRESSURES: FIRST FINAL 3460, SHUTIN PRESSURES: FINAL SHUT-IN 3575 ON A 15 MIN TEST
FROM 9841 TO 9914 WITH 1000 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 60 MIN, RECOVERED 1000 FT WTR CUSH,RECOVERED 7905 FT OIL GAS CUT SUL WTR, OPEN FLOWING PRESSURES: FIRST FINAL 3860, SHUTIN PRESSURES: FINAL SHUT-IN 3960 ON A 15 MIN TEST

<<CORE INFORMATION>>

TOOK CORES: 9768 TO 9713 RECOVERED 48.0 FT LITHOLOGY-(LLM) POROUS ZONE-(TYPE: GOOD) SHOWS-(GOOD STNCO SCAT STNCO), 9713 TO 9761 RECOVERED 48.0 FT LITHOLOGY-(LLM) POROUS ZONE-(TYPE: FU) SHOWS-(TRCE OIL), 9761 TO 9815 RECOVERED 35.0 FT LITHOLOGY-(LLM) SHOWS-(GOOD GOOD GOOD STNFL), 9815 TO 9841 RECOVERED 19.0 FT LITHOLOGY-(LLS) POROUS ZONE-(TYPE: GU) SHOWS-(GOOD STNCO FAIR FLU), 9841 TO 9883 RECOVERED 16.0 FT LITHOLOGY-(LLS) POROUS ZONE-(TYPE: Y) SHOWS-(SLIGO), 9883 TO 9914 RECOVERED 22.0 FT LITHOLOGY-(LLM) DETAILED DESCRIPTION FROM 9906 TO 9915 SHOWS-(BLED SOLN)

TREATED PERF INTERVAL AT 9760 TO 9828 BY ACID USING 1000 GALS ACID
RAN THE FOLLOWING LOGS: ES,GRNL,PALEO BY PALFCL,GRL FROM 2500 TO 9861 BY SCHL, 44* DUMMY PGM CTL TO CORRECT TOPS ENTERED FLAG 444 DUMMY PGM CTL TO CORRECT CORED INT DEPTHSHO SEGME

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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 12 TWP: 01S RNG: 03E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 5 FIELD: ANDERSON RANCH WOLFC
LAT: 32.84060 LON: 103.7263)
LOCATION NARRATIVE: 660FN L 660FW L SEC

SPUD DATE: 01-04-1954 COMP DATE: 03-16-1954 ELEV: 4293 DF
DRILLERS TD: 10250 LOG TD:

<<CASING>>

13-24/64	@ 613	W/ 500	SX
09-40/64	@ 4130	W/ 3660	SX
	@	W/	SX
	@	W/	SX
	@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL FIELD,FINAL:DSA,WELL CLASS: TA,HC
SHOW,GAS: ES

<<INITIAL POTENTIAL>>

PFS - WTR/IP OIL: GAS: GW:
HOUR TEST: CH: /64 TP: SITP: GOR: FW:
PFS - WTR/IP OIL: GAS: GW:
HOUR TEST: CH: /64 TP: SITP: GOR: FW:
PFS - WTR/IP OIL: GAS: GW:
HOUR TEST: CH: /64 TP: SITP: GOR: FW:

FORMATION TESTS: 9672- 9825, 9809- 9840, 9826- 9865, 9863- 9907, 9909- 995,

<<TOPS AND CASES>>

PI TOPS
SADE ----- 4230
GLRT ----- 5685
TUBB ----- 6865
ABO ----- 7617

RUSS ----- 5035
INTERPOLATED TOP
DRKD -777- 6851
CSCD -777- 10154

<<FORMATION TESTS>>

DST FROM 9672 TO 9825 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 47 MINS, RECOVERED 150 FT GAS CUT MUD, SHUTIN PRESSURES: FINAL SHUT-IN 825 ON A 15 MIN TEST
DST FROM 9809 TO 9840 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 38 MINS, RECOVERED 125 FT SLI GAS CUT MUD, SHUTIN PRESSURES: FINAL SHUT-IN 1800 ON A 15 MIN TEST
DST FROM 9839 TO 9865 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 30 MIN, RECOVERED 40 FT/GAS CUT MUD, SHUTIN PRESSURES: FINAL SHUT-IN 400 ON A 15 MIN TEST
DST FROM 9863 TO 9907 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 18 FT MUD
DST FROM 9909 TO 9952 INITIAL OPEN 1 HOUR, RECOVERED 18 FT MUD
DST FROM 9965 TO 10020 RESULTS OF DST: ERRR
DST FROM 9916 TO 10020 RESULTS OF DST: ERRR
DST FROM 9869 TO 10020 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 60 FT MUD
DST FROM 10004 TO 10149 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 45 MIN, RECOVERED 30 FT MUD
DST FROM 10149 TO 10250 INITIAL OPEN 1 HOUR, RECOVERED 20 FT MUD, SHUTIN PRESSURES: FINAL SHUT-IN 275 ON A 15 MIN TEST

RAN THE FOLLOWING LOGS: ES

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AMOCO PRODUCTION COMPANY API NO: 30-025-00344-00

EXPLORATION SYSTEMS SCOUT TICKET(T-3)

SEC: 22 TWP: 21S RNG: 37E

STATE: NM COUNTY: LEA
COMPANY: CLOSED: JOHN JO WELL NO: 1 FIELD: ANDERSON RANCH N MBL
LEASE: STATE LAT: 32°28'55" LON: 103°13'30"

LOCATION NARRATIVE: 660FS L 330FW L SEC

SPUD DATE: 10-07-1952 COMP DATE: 11-14-1952 ELEV: 4704 DF
DRILLERS TD: 10112 LOG TD:

<<CASING>>

13-24/64	@ 452	W/ 600	SX
08-40/64	@ 4135	W/ 600	SX
04-32/64	@ 10112	W/ 500	SX
	@	W/	SX
	@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: DEVOTION,
EC SHOW,ID DATA,PAY: IES ML GRSL CALP PALFO
GRL,PRODUCTS FROM MEMP,AIR DRILL

<<INITIAL POTENTIAL>>

PFS 10084-10104 WITH/IP OIL: 360BBLS/D GAS: SW:
HOUR TEST: 12 CH: 20/64 TP: SITP: GOR: 1500 FM: MEMP
PFS WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS WITH/IP OIL: CAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:

FORMATION TESTS: 9960-10060, 9960-10060, 10060-10112,

<<TOPS AND(BASES)>>

RI TOPS	CLFK 6323	COMMERCIAL PALFO	
YTES 2537	TUBB 6933	HUCO-1ST- 9660	
QUEN 3373	PLEN 7061	INTERPOLATED TOP	
SADR 4176	ABO 7597	DFKD -ZZZ- 6970	
GLRT 5740	WFMP 9030	CSCC -ZZZ- 10084	

<<INITIAL POTENTIAL>>

FROM PERF AT 10084-10104 IN THE MEMP BY FLOW RECOVERED 360 BBLS/D OIL OVER A 12 HOUR PERIOD USING 20/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 625 PSI CASING PRESSURE 2KS PSI PLUG-BACK TO 10107 FEET, GOR OF 1500 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 42.0)

<<FORMATION TESTS>>

DST FROM 9960 TO 10060 RESULTS OF DST: PKR
DST FROM 9960 TO 10060 INITIAL OPEN 1 HOUR, RECOVERED 60 FT MUD, OPEN-FLOWING PRESSURES: FIRST INITIAL 117 FIRST FINAL 137, SHUT-IN PRESSURES: INITIAL SHUT-IN 196 ON A 30 MIN TEST FINAL SHUT-IN 137 ON A 30 MIN TEST
DST FROM 10060 TO 10112 INITIAL OPEN 30 MIN, FLOWED GAS WITH A TIME TO SURFACE OF 5 MINS, FLOWED 260 WITH A TIME TO SURFACE OF 12 MINS, FLOWED OIL WITH A TIME TO SURFACE OF 14 MINS GRAVITY OF RECOVERED FLUID-42.0, RECOVERED 150 FT OIL GAS CUT MUD, RECOVERED 9810 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 192+ FIRST FINAL 2830, SHUTIN PRESSURES: INITIAL SHUT-IN 2909 ON A 30 MIN TEST FINAL SHUT-IN 2899 ON A 30 MIN TEST

RAN THE FOLLOWING LOGS: IES,ML,GRSL,CALP,PALFO BY PALFOL,GRL FROM 0 TO 10104 BY SCHL, *** DUMMY SGV CTL TO CORRECT TOPS EVERCO FLAG

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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 23 TWP: 21S RNG: 33E
COMPANY: AZTEC OIL AND GAS CO
LEASE: STATE AW WELL NO: 1 FIELD: ANDERSON RANCH N VOL
LAT: 32.98420 LON: 103.72399
LOCATION NARRATIVE: 1650FS L 2310FW L SEC

SPUD DATE: 02-22-1962 COMP DATE: 04-05-1962 ELEV: 4309 DF
DRILLERS TD: 10000 LOG TD:

<<CASING>>

13-24/64	@ 292	W/ 300	SX
08-40/64	@ 4050	W/ 800	SX
04-32/64	@ 10000	W/ 400	SX
	@	W/	SX
	@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODUCTIL,
RE-ENTERED 1971,EC SHOW,IP DATA,PRODUCTION
TESTS,FORMATION TESTS,TREATMENTS,RAN: LOGS
VINL ACSL GRL,PRODUCES FROM BUGHC,ATD OF TLL

<<INITIAL POTENTIAL>>

PFS 9815- 9958 WITH/IP OIL: 624 BBLS/D GAS: SW:
HOUR TEST: 6 CH: 24/64 TP: 340 SITP: GOR: 994 FM: BUGHC
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9850-10000,

<<TOPS AND(EASES)>>

PI TOPS		GLRT ------ 5715		BUGHB------ 9848	
ANDR -----	1339	CLFK ------ 6290		BUGHC------ 9885	
YTES -----	2503	TUBB ------ 6610		RGRK ------ 9915	
QUEN -----	3230	ABO ------ 7583			
SADR -----	3958	HLCO ------ 9006			

<<INITIAL POTENTIAL>>

FROM PERF AT 9815-9958 IN THE BUGHC IY FLOW RECOVERED 624 BBLS/D OIL OVER A 6 HOUR PERIOD USING 24/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 340 PSI CASING PRESSURE 2KB PSI PLUG-BACK TO 9948 FEET, GOR OF 994 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 40.1

<<PRODUCTION TESTS>>

SWAB PERF AT 9790-9796 IN THE WFMP RECOVERED 5 BCT OIL 95 BCT WATER OVER A 1 HOUR PERIOD
SWAB PERF AT 9565-9760 IN THE WFMP RECOVERED 100 PCT WATER, TEST PRESSURES: PLUG-BACK TO 9850 FEET

<<FORMATION TESTS>>

DST FROM 9860 TO 10000 WITH A 0-24/64 INCH TOP CHOKE, INITIAL OPEN 4 HOURS, FLOWED GAS WITH A TIME TO SURFACE OF 13 MINS, FLOWED GUSH WITH A TIME TO SURFACE OF 50 MINS, FLOWED 35 BPH OIL WITH A TIME TO SURFACE OF 65 MINS, RECOVERED 9860 BPH OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 2700 FIRST FINAL 2580, SHUTIN PRESSURES: INITIAL SHUT-IN 3170 ON A 45 MIN TEST FINAL SHUT-IN 3070 ON A 30 MIN TEST

TREATED PERF INTERVAL AT 9790 TO 9796 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 9565 TO 9580 BY ACID USING 500 GALS ACID
RAN THE FOLLOWING LOGS: IES,MINL,ACSL,GRL FROM 90 TO 9978 BY SCHL, RAN JOHNY PGH OIL TO CORRECT TOPS EMERGD FLAG

RE-ENTERED: LEASE CARRIED AS THE AZTEC OIL AND GAS CO NUMBER 1 STATE A
RECOMPLETED 03-19-1971, INITIAL DEV, FINAL OIL.
ABANDONED IN (BUGHC), 06-14-1971.

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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 28 TWP: 015-S RNG: 032-E
COMPANY: UNION OIL CO. OF CALIF.
LEASE: STATE B 28 WELL NO: 1 FIELD: ANDERSON RANCH WOLFC
LAT: 32.98060 LON: 103.72180
LOCATION NARRATIVE: 330FS L 2310FE L SEC

SPUD DATE: 07-09-1961 COMP DATE: 09-01-1961 ELEV: 4211 DF
DRILLERS TD: 10025 LOG TD:

<<CASING>>

13-24/64	@	621	W/ 500	SX
08-40/64	@	4099	W/ 600	SX
05-32/64	@	10025	W/ 550	SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODOIL,
HC SHOW,IP DATA,TREATMENTS,RAN: IL ES ML GRL
GRSL SPLL,RECOLORS FROM BUGRC,AIR DRILL

<<INITIAL POTENTIAL>>

PFS 9922-9942 WITH/IP OIL: 151.33BLS/D GAS: SW:
HOUR TEST: 24 CH:12/64 TP: 980 SITP: GOR: 1790 FM:BUGRC
PFS - WITH/IP OIL: CAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9864-9954,

<<TOPS AND(BASES)>>

PI TOPS	SADR ----- 3985	BUGR ----- 9919	
ANDR ----- 1340	TUBB ----- 6890	PI BASES	
SALT ----- 1487	ABO ----- 7648	SALT ----- 2390	
YTES ----- 2500	FLCO ----- 8957		
QUEN ----- 3740	TFFG ----- 9577		

<<INITIAL POTENTIAL>>

FROM PERF AT 9922-9942 IN THE BUGRC BY FLOW RECOVERED 151.33BLS/D OIL OVER A 24 HOUR PERIOD USING 12/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 980 PSI CASING PRESSURE PKR PSI PLUG-BACK TO 10013 FEET, GOR OF 1790 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 41.0

<<FORMATION TESTS>>

DST FROM 9864 TO 9954 WITH 500 PSING CUSH, INITIAL OPEN 2 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 12 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 16 MINS, FLOWED 19 BPH OIL WITH A TIME TO SURFACE OF 25 MINS, RECOVERED 380 FT HVY OIL GAS CUT MUD,RECOVERED 64 BBLS OIL,RECOVERED 30 FT WTR CUT OIL. OPEN FLOWING PRESSURES: FIRST INITIAL 2400 FIRST FINAL 2150, SHUTIN PRESSURES: INITIAL SHUT-IN 3240 ON A 30 MIN TEST FINAL SHUT-IN 3240 ON A 45 MIN TESTSHUT-IN SURFACE PRESSURE 4000PSI USING A 0-16/64 INCH TOP CHOKE

<<CORE INFORMATION>>

TOOK CORES: 9865 TO 9924 RECOVERED 44.4 FT DETAILED DESCRIPTION OF 5.17 LITHOLOGY-(LS) POROSITY-(S) SHOWS-(STN-O) DETAILED DESCRIPTION OF 42.50 LITHOLOGY-(STKS SH SF) SHOWS-(NS) DETAILED DESCRIPTION OF.50 LITHOLOGY-(LS) SHOWS-(FLU-O), 9925 TO 9954 RECOVERED 24.5 FT LITHOLOGY-(LLS) POROUS ZONE-(TYPE: GU) SHOWS-(GOOD UNID), 9954 TO 9989 RECOVERED 30.5 FT LITHOLOGY-(LLS) POROUS ZONE-(TYPE: Z) DETAILED DESCRIPTION OF 7.5) POROSITY-(S) SHOWS-(OIL) DETAILED DESCRIPTION OF.50 SHOWS-(BLE) C&W)

TREATED PERF INTERVAL AT 9922 TO 9942 BY ACID USING 250 GALS ACID
RAN THE FOLLOWING LOGS: IL,ES,ML,GRL,GRSL,SPLL BY PERMIS,GRL FROM 0 TO 10000 BY SCHL, *** DUMMY PGM CTL TO CORRECT TOPS ENERGD FLAG

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AMOCO PRODUCTION COMPANY API NO: 30-025-00346-00

EXPLORATION SYSTEMS SCOUT TICKET(T-3)

SEC: 29 TWP: 015 S RNG: 032 E

STATE: NM COUNTY: LEA
COMPANY: UNION OIL CO. OF CALIF. WELL NO: 1 FIELD: ANDERSON RANCH N WOL
LEASE: STATE C 29 LAT: 32.98060 LON: 103.72820

LOCATION NARRATIVE: 330FS L 990FW L SEC

SPUD DATE: 11-24-1961 COMP DATE: 01-04-1962 ELEV: 4325 DF
DRILLERS TD: 10023 LOG TD:

<<CASING>>

11-48/64	@	610	W/	600 SX
08-40/64	@	4119	W/	600 SX
04-32/64	@	10032	W/	500 SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODTGIL,
HC SHOW,IP DATA,TREATMENTS,RAN: IL ES ML GRNL
GRSI CALP SPLL GRL

<<INITIAL POTENTIAL>>

PERFS 9950- 9972 WITP/IP OIL: 1750BLS/D GAS: SW:
HOUR TEST: 24 OH:13/64 TP: 520 SITP: GOR: 1785 FM:
PERFS - WITP/IP OIL: GAS: SW:
HOUR TEST: OH: /64 TP: SITP: GOR: FM:
PERFS - WITP/IP OIL: GAS: SW:
HOUR TEST: OH: /64 TP: SITP: GOR: FM:

FORMATION TESTS: 9922- 9970,

<<TOPS AND(BASES)>>

DT TOPS		TUBB	6935
ANDR	1345	ABO	7665
YTES	2539	PLCO	8962
SADR	4040	ELGRC	9905
GLRT	5705		

<<INITIAL POTENTIAL>>

PERF AT 9950-9972 BY FLOW RECOVERED 175 BBLS/D OIL OVER A 24 HOUR PERIOD
USING 13/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 520 PSI CASING
PRESSURE PKR PSI PLUG-BACK TD 9994 FEET, GOR OF 1785 RESULTS OF OIL ANALYSIS:
OIL GRAVITY OF 41.5

<<FORMATION TESTS>>

DST FROM 9922 TO 9970 INITIAL OPEN 2 HOUR 45 MIN, FLOWED GAS WITH A TIME TO
SURFACE OF 25 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 32 MINS, FLOWED 20
WITH A TIME TO SURFACE OF 32 MINS GRAVITY OF RECOVERED FLUID-41.5, FLOWED 20
BPH OIL, RECOVERED 120 FT OIL GAS CUT MUD,RECOVERED 5802 FT OIL, 90FM FLOATING
PRESSURES: FIRST INITIAL 1062 FIRST FINAL 1435, SHUT IN PRESSURES: INITIAL
SHUT-IN 3139 ON A 30 MIN TEST FINAL SHUT-IN 2939 ON A 30 MIN TEST USING A
0-24/64 INCH TOP CHOKE

TREATED PERF INTERVAL AT 9950 TO 9972 BY ACID USING 1000 GALS ACID
RAN THE FOLLOWING LOGS: IL,ES,ML,CBNL,GR-SL,CALP,SPLL BY PERMIS,GRL FROM 9900 TO
10010 BY SCHL
ABANDONED IN (MEMO), 02-01-1966.

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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 28 TWP: 015 S RNG: 032 E
COMPANY: UNION OIL CO. OF CALIF.
LEASE: STATE A WELL NO: 2 FIELD: ANDERSON RANCH WOLFC
LAT: 33.9843) LON: 103.7163)
LOCATION NARRATIVE: 1650FS L 660FE L SEC

SPUD DATE: 02-10-1963 COMP DATE: 04-04-1963 ELEV: 4307 MS
DRILLERS TD: 10068 LOG TD:

<<CASING>>

11-48/64 @	418 W/	400 SX	
08-40/64 @	4099 W/	400 SX	
04-32/64 @	10065 W/	400 SX	
@	W/	SX	
@	W/	SX	

<<CONDENSED WELL SUMMARY>>

INITIAL:DEV,FINAL:OIL,WELL CLASS: PEQ:OIL,FC
SHOW,IP DATA,RAN: IL ES ML GRL GRSL,PRODUCES
FROM PSLV,AIR DRILL

<<INITIAL POTENTIAL>>

PFS 9902- 9922 WITH/IP OIL: 695 BBLS/D GAS: SW:
HOUR TEST: 24 CH:20/64 TP: 790 SITP: GOR: 1690 FM:PSLV
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:

FORMATION TESTS:

<<TOPS AT CASES>>

PL TOPS	INTERPOLATED TOP
ANH ------ 7670	TUBB -ZZZ- 6921
DUGA ------ 9825	PSLV -ZZZ- 6921
DUGB ------ 9900	CSCO -ZZZ-10067
DUGC ------ 10017	

<<INITIAL POTENTIAL>>

FROM PERF AT 9902-9922 IN THE PSLV DY FLOW RECOVERED 695 BBLS/D OIL OVER A 24 HOUR PERIOD USING 20/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 790 PSI PLUG-BACK TO 10031 FEET, GOR OF 1690 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 41.6

RAN THE FOLLOWING LOGS: IL,ES,ML,GRL,GRSL, *** DUMMY PGW CTL TO CORRECT TOPS EMPROD FLAG

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-03360-00
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EXPLORATION SYSTEMS SCOUT TICKET (T-3)

STATE: NM COUNTY: LEA SEC: 32 TWP: 015 S RNG: 032 E
COMPANY: HUMBLE OIL & REFINING
LEASE: STATE BH WELL NO: 1 FIELD: ANDERSON RANCH
LAT: 32.96770 LON: 103.72484
LOCATION NARRATIVE: 990FS L 330FE L SEC

SPUD DATE: 02-19-1961 COMP DATE: 06-28-1961 ELEV: 4321 DF ELEV: 4309 GR
DRILLERS TD: 10011 LOG TD:

<<CASING>>

13-24/64	@ 631	W/	700	SX
08-40/64	@ 4150	W/	750	SX
05-32/64	@ 10011	W/	275	SX
	@	W/		SX
	@	W/		SX

<<CONDENSED WELL SUMMARY>>

INITIAL:DEV,FINAL:D&A,WELL CLASS: D&A,PE-
ENTERED 1961,HC SHOW,PRODUCTION TESTS,
FORMATION TESTS,TREATMENTS,CAN: IL FS GRSL GRL

<<INITIAL POTENTIAL>>

PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:

FORMATION TESTS:

<<TOPS AND CASES>>

PI TOPS	INTERPOLATED TOP
ANDR ----- 1310	WFMP -222- 6582
SADR ----- 4082	
ABO ----- 7616	
HUCO ----- 9930	

<<PRODUCTION TESTS>>

SWAB PERF AT 9680-9936 RECOVERED 6 BBLS OIL 40 BBLS/D WATER OVER A 5 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 9961 FEET
SWAB PERF AT 9969-9978
SWAB PERF AT 9880-9936 RECOVERED 12 BBLS OIL 104 BBLS/D WATER OVER A 11 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 9969 FEET
SWAB PERF AT 9880-9936 RECOVERED 12 BBLS OIL 96 BBLS/D WATER OVER A 12 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 9902 FEET, WATER ANALYSIS RESULTS: 70000 PPM CL
SWAB PERF AT 9880-9886, TEST PRESSURES: PLUG-BACK TO 9852 FEET
SWAB PERF AT 9814-9818 RECOVERED 3 BBLS OIL 72 BBLS/D WATER OVER A 11 HOUR PERIOD, WATER ANALYSIS RESULTS: 31000 PPM CL

<<CORE INFORMATION>>

ROCK CORES: 4830 TO 4911 RECOVERED 81.5 FT LITHOLOGY-(DOLO) POROUS ZONE-(TYPE: P) SHOWS-(NS)

TREATED PERF INTERVAL AT 9880 TO 9936 BY ACID USING 6000 GALS ACID
TREATED PERF INTERVAL AT 9810 TO 9836 BY ACID USING 3000 GALS ACID
TREATED PERF INTERVAL AT 9814 TO 9818 BY ACID USING 3000 GALS ACID
TREATED PERF INTERVAL AT 9880 TO 9886 BY ACID USING 3000 GALS ACID
TREATED PERF INTERVAL AT 9814 TO 9818 BY ACID USING 3000 GALS ACID
TREATED INTERVAL AT 4170 TO 5330 BY ACID USING 4000 GALS ACID
RAN THE FOLLOWING LOGS: IL,FS,GRSL,GRL ELEC'D TO 9980 BY LANE
RE-ENTERED: ON 00-00-1900 LEASE CARRIED AS THE UNION OIL CO. OF CALIF. NO.1 STATE BH
RECOMPLETED 07-18-1961, INITIAL GN, FINAL INJ.

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-0[illegible]345-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 32 TWP: 21S RNG: 32E
COMPANY: UNION OIL CO. OF CALIF.
LEASE: STATE 32 WELL NO: 4 FIELD: ANDERSON RANCH N WOL
LAT: 32.97140 LON: 103.73240
LOCATION NARRATIVE: 2310FS L 330FE L SEC

SPUD DATE: 03-24-1962 COMP DATE: 05-05-1962 ELEV: 4329 DF
DRILLERS TD: 10040 LOG TD:

<<CASING>>

11-48/64	@ 622	W/ 675	SX
08-40/64	@ 4116	W/ 500	SX
04-32/64	@ 10039	W/ 600	SX
	@	W/	SX
	@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODUCIL,
EC SHOW,ID DATA,PRODUCTION TESTS,FORMATION
TESTS,TREATMENTS,RAN: LL ML IES GENL GESL
CALP GEL,PRODUCES FROM RUSHC,AIR DRILL

<<INITIAL POTENTIAL>>

PFS 0942- 9946 WITH/IP OIL: 190BBLS/D GAS: SK:
HOUR TEST: 24 CH: 16/64 TP: SITP: GOR: 1064 FM:RUSHC
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9928- 9953,

<<TOPS AND(EAGLES)>>

PI TOPS		TOPS			
ANDR	1312	AEC	7635		
YTES	2497	PUCO	8960		
QUEN	3340	RUSHC	9930		
SADR	4080				

<<INITIAL POTENTIAL>>

FROM PERF AT 9942-9946 IN THE RUSHC BY FLOW RECOVERED 190 BBLS OIL OVER A 24 HOUR PERIOD USING 16/64 INCH CHOKE, TEST PRESSURES: CASING PRESSURE PKR PSI PLUG-BACK TO 10030 FEET, 90% OF LOAD RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 41.0

<<PRODUCTION TESTS>>

SWAB PERF AT 9942-9946
SWAB PERF AT 9942-9946 RECOVERED 5 BBLS OIL OVER A 2 HOUR PERIOD
FROM PERF AT 9942-9946 BY FLOW RECOVERED 54 BBLS OIL OVER A 7 HOUR PERIOD USING 16/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 200 PSI, 90% OF LOAD RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 41.0

<<FORMATION TESTS>>

DST FROM 9928 TO 9953 INITIAL OPEN 5 HOUR, FLOWED SF MCFD GAS WITH A TIME TO SURFACE OF IN4 MINS, FLOWED OIL GRAVITY OF RECOVERED FLUID=40.5, RECOVERED 4 BBLS MUD,RECOVERED 180 FT VERY HVY OIL CUT MUD,RECOVERED 13 BBLS OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 326 FIRST FINAL 564, SHUTIN PRESSURES: INITIAL SHUT-IN 3301 IN A 1 HOUR TEST FINAL SHUT-IN 1764 ON A 001 HOUR 30 MIN TEST

<<CORE INFORMATION>>

TOOK CORES: 9801 TO 9860 RECOVERED 35.5 FT DETAILED DESCRIPTION OF 7.00 LITHOLOGY-(LS SH) DETAILED DESCRIPTION OF 7.50 LITHOLOGY-(LS LS) DETAILED DESCRIPTION OF 3.50 LITHOLOGY-(LS) SHOWS-(SLI OIL) DETAILED DESCRIPTION OF 12.50 LITHOLOGY-(LS) SHOWS-(NS), 9911 TO 9953 RECOVERED 35.0 FT DETAILED DESCRIPTION OF 15.70 LITHOLOGY-(STRKS SH SH) SHOWS-(NS) DETAILED DESCRIPTION OF 11.30 LITHOLOGY-(LS) SHOWS-(OIL) DETAILED DESCRIPTION OF 8.00 LITHOLOGY-(LS LS) SHOWS-(NS), 9953 TO 9971 RECOVERED 18.5 FT DETAILED DESCRIPTION OF 16.50 LITHOLOGY-(STRKS SH SH) DETAILED DESCRIPTION OF 2.00 LITHOLOGY-(LS)

TREATED PERF INTERVAL AT 9942 TO 9946 BY ACID USING 500 GALS ACID
TREATED PERF INTERVAL AT 9942 TO 9946 BY ACID USING 2000 GALS ACID
RAN THE FOLLOWING LOGS: LL,ML,IES,GENL,GESL,CALP,GRL FROM 1 TO 10010 BY SCHL, *** DUMMY PGM CPL TO CORRECT TCPS EXPIRED FLAG

ABANDONED IN (RUSHC), 05-05-1962.

07/22/80 AMOCO PRODUCTION COMPANY API NO: 30-025-20905-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 32 TWP: 21S RNG: 32E
COMPANY: TENNECO OIL CO.
LEASE: GULF-STATE 1 WELL NO: 1 FIELD:
LAT: 32.466900 LON: 103.741830
LOCATION NARRATIVE: 660FSL & 660FEL SEC

SPUD DATE: 05-20-1964 COMP DATE: 07-07-1964 ELEV: 4239 MS
DRILLERS TD: 10305 LOG TD:

<<CASING>>

13-24/64 @	491	W/ 480	SX
08-40/64 @	4201	W/ 2700	SX
@		W/	SX
@		W/	SX
@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:NEW,FINAL:D&A,WELL CLASS: D&A,BLOWOUT,
FC SHOW,RAN: IL LL ML CS PROXI GRI GRNL GRSL CALP SPLL

<<INITIAL POTENTIAL>>

PFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9750- 9846, 9860- 9921,

<<TOPS AND CASES>>

PI TOPS	ELEV ----- 4239	DRKB -ZZZ- 4252
SADR ----- 4682	MEMB ----- 9690	CSGD -ZZZ- 10147
GLRT ----- 5707	INTERPOLATED TOP	
TUBB ----- 6668	RSLR -ZZZ- 1774	
ABO ----- 7601	QUEN -ZZZ- 3031	

<<FORMATION TESTS>>

DST FROM 9750 TO 9846 INITIAL OPEN 2 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 165 MINS, RECOVERED 60 FT MUD,RECOVERED 251 FT HVY OIL GAS CUT MUD,RECOVERED 118 FT OIL MUD, OPEN FLOWING PRESSURES: 1 FIRST INITIAL 152 FIRST FINAL 219, SHUTIN PRESSURES: INITIAL SHUT-IN 1218 ON A 1 HOUR 30 MIN TEST FINAL SHUT-IN 1628 ON A 003 HOUR TEST

DST FROM 9860 TO 9921 INITIAL OPEN 1 HOUR 30 MIN, RECOVERED 103 FT SLI OIL GAS CUT MUD,RECOVERED 6733 FT,RECOVERED 15 FT MUD OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 37 FIRST FINAL 72, SHUTIN PRESSURES: INITIAL SHUT-IN 3320 ON A 1 HOUR TEST FINAL SHUT-IN 3605 ON A 003 HOUR TEST

<<CORE INFORMATION>>

TOOK CORES: 9750 TO 9811 RECOVERED 40.0 FT LITHOLOGY-(LLM SH) SHOWS-(SCAT UNID), 9811 TO 9846 RECOVERED 34.0 FT DETAILED DESCRIPTION OF 10.00 LITHOLOGY-(LM) SHOWS-(GOOD UNID) DETAILED DESCRIPTION OF 24.00 LITHOLOGY-(SH SH) SHOWS-(NS), 9846 TO 9871 RECOVERED 21.0 FT LITHOLOGY-(LLM) POROUS ZONE-(TYPE: 0) SHOWS-(SLI UNID), 9871 TO 9920 RECOVERED 21.0 FT LITHOLOGY-(LLM) POROUS ZONE-(TYPE: 0) SHOWS-(NS), 9921 TO 9971 RECOVERED 50.0 FT LITHOLOGY-(LLM) POROUS ZONE-(TYPE: 0) SHOWS-(NS)

BLOWOUT (SWTR) WHILE AT 9320 200BPH
RAN THE FOLLOWING LOGS: IL,LL,ML,CS,PROXI,GRI,GRNL,GRSL,CALP,SPLL BY PETTY,SPLL BY GEOLSV,GRL FROM 10 TO 4250 BY SCH

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-27285-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 32 TWP: 015 S RNG: 032 E
COMPANY: KING RESOURCES CO
LEASE: SHELL-STATE WELL NO: 1 FIELD: ANDERSON RANCH
LAT: 32.86750 LON: 103.73333
LOCATION NARRATIVE: 660FS L 1980FE L SEC

SPUD DATE: 10-20-1977 COMP DATE: 11-21-1977 ELEV: 4295 DF ELEV: 4289 GR
DRILLERS TD: 9800 LOG TD:

<<CASING>>

13-24/64	@ 400	W/ 370	SX
OR-40/64	@ 3500	W/	SX
	@	W/	SX
	@	W/	SX
	@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:DEV,FINAL:D&A,WELL CLASS: D&A,NO SHOW,
RAN: GRL

<<INITIAL POTENTIAL>>

PFS - WTR/IP OIL: GAS: SV:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WTR/IP OIL: GAS: SV:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WTR/IP OIL: GAS: SV:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9775-9860,

<<TOPS AND(BASES)>>

AMOCO-STRAT	GRBG 3722	WFMP 9015	YTES 2485
ANDR 1265	SADR 4082	BRSV 9230	SADR 4051
YTES 2460	GLRT 5645	BUGR 9774	GLRT 5645
SVRV 2742	TUBB 6828	PI TOPS	ABO 7490
QUEN 3205	ABO 7570	ANDR 1269	WFMP 8890

<<FORMATION TESTS>>

DST FROM 9775 TO 9860 INITIAL OPEN 2 HOUR 30 MIN, FLOWED GAS WITH A TIME TO SURFACE OF 5 MINS; RECOVERED 20 BBLS GAS CUT MUD,RECOVERED 120 FT FVY OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 46 FIRST FINAL 46, SHUTIN PRESSURES: INITIAL SHUT-IN 1458 ON A 1 HOUR TEST FINAL SHUT-IN 1698 ON A 002 HOUR TEST

RAN THE FOLLOWING LOGS: GRL FROM 0 TO 9825 BY SCHL

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-03356-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 32 TWP: 21S RNG: 32E
COMPANY: UNION OIL CO. OF CALIF.
LEASE: STATE A 32 WELL NO: 2 FIELD: ANDERSON RANCH WOLFC
LAT: 32.57700 LON: 103.71730
LOCATION NARRATIVE: 990FN & 990FE L SEC

SPUD DATE: 10-08-1961 COMP DATE: 11-22-1961 ELEV: 4303 DF
DRILLERS TD: 10032 LOG TD:

<<CASING>>

11-48/64	@	410	W/ 550	SX
08-40/64	@	4119	W/ 400	SX
04-32/64	@	10032	W/ 500	SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRD)IOIL, FC SHOW,IP DATA,PRODUCTION TESTS,FORMATION TESTS,TREATMENTS,RAN: GRL,PRODUCES FROM BUGHC, AIR DRILL

<<INITIAL POTENTIAL>>

PFS 10008-10022 WITH/IP OIL: 274BBLS/D GAS: SW:
HOUR TEST: 24 CH:12/64 TP: 890 SITP: GOR: 1650 FM:BUGHC
PFS - WITH/IP OIL: CAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9990-10022,

<<TOPS AND(BASES)>>

PI TOPS	GLRT ----- 5735	PI BASES
ANDR ----- 1363	TLBR ----- 6910	SALT ----- 2420
SALT ----- 1470	ABC ----- 7063	
YTES ----- 2517	PUCC ----- 8990	
SADR ----- 4118	BUGHC----- 9990	

<<INITIAL POTENTIAL>>

FROM PERF AT 10008-10022 IN THE BUGHC PY FLOW RECOVERED 274 BBLS/D OIL OVER A 24 HOUR PERIOD USING 12/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 890 PSI CASING PRESSURE PKR PSI PLUG-BACK TD 10020 FEET, GOR OF 1650 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 41.3

<<PRODUCTION TESTS>>

FROM PERF AT 10008-10022 BY PUMP RECOVERED 21 BBLS OIL OVER A 5 HOUR PERIOD USING 20/64 INCH CHOKE

<<FORMATION TESTS>>

DST FROM 9990 TO 10022 INITIAL OPEN 5 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 5 MINS, FLOWED MUD WITH A TIME TO SURFACE OF 12 MINS, FLOWED 15 BPH OIL WITH A TIME TO SURFACE OF 17 MINS GRAVITY OF RECOVERED FLUID-40.0 GOR OF 1487, RECOVERED 45 BBLS OIL,RECOVERED 760 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 1650 FIRST FINAL 2143, SHUTIN PRESSURES: INITIAL SHUT-IN ON A 30 MIN TEST FINAL SHUT-IN 3155 ON A 30 MIN TESTSHUT-IN SURFACE PRESSURE 990PSI USING A C-16/64 INCH TCP CHOKE

<<CORE INFORMATION>>

TOOK CORES: 9978 TO 9911 RECOVERED 22.1 FT DETAILED DESCRIPTION OF 6.50 LITHOLOGY-(LS) SHOWS-(OIL) DETAILED DESCRIPTION OF 5.50 LITHOLOGY-(STRKS OF SH) DETAILED DESCRIPTION OF 2.00 LITHOLOGY-(LS) POROSITY-(S) DETAILED DESCRIPTION OF 21.50 LITHOLOGY-(SHLY LS LS) SHOWS-(NS), 9911 TO 9956 RECOVERED 16.1 FT DETAILED DESCRIPTION OF 3.00 LITHOLOGY-(LS) POROSITY-(F) SHOWS-(SCAT FLU-U BLED WTR) DETAILED DESCRIPTION OF 2.50 LITHOLOGY-(LS) DETAILED DESCRIPTION OF 2.30 LITHOLOGY-(SH) DETAILED DESCRIPTION OF 3.00 LITHOLOGY-(LS) DETAILED DESCRIPTION OF 2.50 LITHOLOGY-(LS) SHOWS-(NS) DETAILED DESCRIPTION OF 4.50 LITHOLOGY-(LS) DETAILED DESCRIPTION OF 2.50 LITHOLOGY-(SHLY LS LS), 9956 TO 9985 RECOVERED 30.0 FT DETAILED DESCRIPTION OF 1.50 LITHOLOGY-(LS LS) DETAILED DESCRIPTION OF 2.50 LITHOLOGY-(LS) DETAILED DESCRIPTION OF 26.00 LITHOLOGY-(LS LS) SHOWS-(NS)
TOOK CORES: 9985 TO 10026 RECOVERED 15.0 FT DETAILED DESCRIPTION OF 1.00 LITHOLOGY-(LS LS) DETAILED DESCRIPTION OF 12.00 LITHOLOGY-(LS) DETAILED DESCRIPTION OF 2.00 LITHOLOGY-(LS) SHOWS-(SLI OIL)

TREATED PERF INTERVAL AT 10008 TO 10022 BY ACID USING 500 GALS ACID
RAN THE FOLLOWING LOGS: GRL FROM 30 TO 10005 BY SCHL, *** DUMMY PGM CTL TO CORRECT TOPS FMPROD FLAG

ABANDONED IN (BUGHC), 08-25-1969.

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-03856-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 33 TWP: 21S RNG: 32E
COMPANY: UNION OIL CO. OF CALIF.
LEASE: STATE 33 WELL NO: 2 FIELD: ANDERSON RANCH WOLFC
LAT: 32.97790 LON: 103.72490
LOCATION NARRATIVE: 660FN L 1980FW L SEC

SPUD DATE: 11-09-1960 COMP DATE: 12-28-1960 ELEV: 4317 DF ELEV: 4308 GR
DRILLERS TD: 10056 LOG TD:

<<CASING>>

11-48/64	@ 608	W/ 600	SX
08-40/64	@ 4160	W/ 600	SX
05-32/64	@ 10054	W/ 600	SX
	@	W/	SX
	@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODUCIL,
HC SHOW,IP DATA,PRODUCTION TESTS,FORMATION
TESTS,TREATMENTS,RAN: ML ES IL GRSL GRL,
PRODUCES FROM WFMP,AIP DRILL

<<INITIAL POTENTIAL>>

PFS 9890- 9958 WITH/IP OIL: 297BBLS/D GAS: SW:
HOUR TEST: 24 CH: 12/64 TP: 790 STP: GOR: 1546 FM: WFMP
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: STP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: STP: GOR: FM:
FORMATION TESTS: 9870-9985,

<<TOPS AND(CASES)>>

PI TOPS	TUBB ----- 6023	QUEN ----- 3342
ANDR ----- 1327	ABO ----- 7644	WFMP ----- 9127
YTES ----- 2500	HUCO ----- 8382	WFPP ----- 9635
SADR ----- 4097	TREG ----- 9556	
GLRT ----- 5702	UNDESIGNATED TOP	

<<INITIAL POTENTIAL>>

FROM PERF AT 9890-9958 IN THE WFMP BY FLOW RECOVERED 297 BBLS/D OIL OVER A 24 HOUR PERIOD USING 12/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 790 PSI CASING PRESSURE PKR PSI PLUG-BACK TD 9985 FEET, GOR OF 1546 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 42.3

<<PRODUCTION TESTS>>

SWAB PERF AT 10003-10009 RECOVERED 100 PCT WATER OVER A 5 HOUR PERIOD

<<FORMATION TESTS>>

DST FROM 9870 TO 9935 INITIAL OPEN 3 HOUR 30 MIN, RECOVERED 257 FT OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 285 FIRST FINAL 325, SHUTIN PRESSURES: INITIAL SHUT-IN 2660 ON A 45 MIN TEST FINAL SHUT-IN 1305 ON A 45 MIN TEST

<<CORE INFORMATION>>

TOOK CORES: 9865 TO 9875 RECOVERED 9.0 FT LITHOLOGY-(LLS) POROUS ZONE-(TYPE: O) SHOWS-(NS), 9930 TO 9985 RECOVERED 30.0 FT LITHOLOGY-(LLM) POROUS ZONE-(TYPE: ODGY), 9985 TO 10025 RECOVERED 40.0 FT DETAILED DESCRIPTION OF 17.00 LITHOLOGY-(LM) SHOWS-(NS) DETAILED DESCRIPTION OF 7.00 LITHOLOGY-(LM) SHOWS-(OIL) DETAILED DESCRIPTION OF 16.00 LITHOLOGY-(LY) SHOWS-(NS)

TREATED PERF INTERVAL AT 10003 TO 10009 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 9890 TO 9958 BY ACID USING 2000 GALS ACID
RAN THE FOLLOWING LOGS: ML,ES,IL,GRSL,GRL FROM 4141 TO 10004 BY SCHL, *** DUMMY PGM CTL TO CORRECT TOPS ENTERED FLAG

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-03564-00
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EXPLORATION SYSTEMS SCOUT TICKET(I-3)

STATE: NM COUNTY: LEA SEC: 33 TWP: 21S RNG: 32E
COMPANY: MCALESTER FUEL COMPANY
LEASE: STATE JC WELL NO: 1 FIELD: ANDERSON RANCH N WOL
LAT: 32.96770 LON: 103.72040
LOCATION NARRATIVE: 990FS L 1980FE L SEC

SPUD DATE: 03-14-1962 COMP DATE: 06-21-1962 ELEV: 4310 DF
DRILLERS TD: 10111 LOG TD:

<<CASING>>

13-24/64 @ 453 W/ 450 SX
08-40/64 @ 4185 W/ 2260 SX
05-32/64 @ 10099 W/ 300 SX
@ W/ SX
@ W/ SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:D&A,WELL CLASS: D&A,HC SHOW,PRODUCTION TESTS,DRILLING SHOW,FORMATION TESTS,TREATMENTS,CAN: ML FS IL GEL CBSL CALP, AIR DRILL

<<INITIAL POTENTIAL>>

PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:

FORMATION TESTS: 9887-9948, 9957-10020, 9886-9913, 9888-9913,

<<TOPS AND(BASES)>>

PI TOPS					
ANDR ----- 1327	QUEN ----- 3377	YESO ----- 6254	BUGHA----- 9826
SALT ----- 1417	PADD ----- 3628	DEKO ----- 6926	BUGHB----- 9946
YTES ----- 2533	GRBG ----- 3793	ABO ----- 7577	BUGHC----- 10035
SVDV ----- 2810	SACR ----- 4120	WFMP ----- 9017	PI BASES
	GLRT ----- 6704	TREE ----- 9602	SALT ----- 2433

<<PRODUCTION TESTS>>

SWAB PERF AT 9906-9914, TEST PRESSURES: PLUG-BACK TO 10098 FEET
SWAB PERF AT 9906-9914
SWAB PERF AT 9906-9914 RECOVERED 100 PCT WATER, WATER ANALYSIS RESULTS: 78800 PPM CL
SWAB PERF AT 10038-10060 OVER A 2 HOUR PERIOD, TEST PRESSURES: PACKER SET AT 10030 FEET PLUG-BACK TO 10083 FEET
SWAB PERF AT 10038-10060
SWAB PERF AT 9965-9969 OVER A 2 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 10022 FEET
SWAB PERF AT 9965-9969 OVER A 2 HOUR 30 MIN PERIOD, TEST PRESSURES: PLUG-BACK TO 10022 FEET
SWAB PERF AT 9906-9917
SWAB PERF AT 9906-9919 RECOVERED 1 BBLS OIL 99 BBLS/D WATER OVER A 10 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 9927 FEET
SWAB PERF AT 9894-9899, TEST PRESSURES: PLUG-BACK TO 9900 FEET
SWAB PERF AT 9894-9899
SWAB PERF AT 9894-9899 RECOVERED 26 BBLS/D WATER OVER A 11 HOUR PERIOD, WATER ANALYSIS RESULTS: 65500 PPM CL

<<FORMATION TESTS>>

DST FROM 9887 TO 9948 INITIAL OPEN 3 HOUR, RECOVERED 60 FT MUD,RECOVERED 831 FT OIL GAS CUT MUD,RECOVERED 2493 FT SALT WTR,WATER ANALYSIS RESULTS: SALINITY OF 82000 PPM CL, OPEN FLOWING PRESSURES: FIRST INITIAL 255 FIRST FINAL 1280, SHUTIN PRESSURES: INITIAL SHUT-IN 3726 ON A 1 HOUR TEST FINAL SHUT-IN FAILD
DST FROM 9957 TO 10020 INITIAL OPEN 1 HOUR, RECOVERED 30 FT MUD NS, OPEN FLOWING PRESSURES: FIRST INITIAL 25 FIRST FINAL 35, SHUTIN PRESSURES: INITIAL SHUT-IN 3100 ON A 1 HOUR TEST FINAL SHUT-IN 72 ON A 661 HOUR TEST
DST FROM 9886 TO 9913 USING A STEKE PACKER, RESULTS OF DST: SKRF
DST FROM 9888 TO 9913 USING A STEKE PACKER, INITIAL OPEN 15 MIN, RECOVERED 500 FT HVY OIL GAS WTR CUT MUD,RECOVERED 4100 FT, OPEN FLOWING PRESSURES: FIRST INITIAL 40 FIRST FINAL 175, SHUTIN PRESSURES: INITIAL SHUT-IN 3580 ON A 1 HOUR TEST

<<CORE INFORMATION>>

TOOK CORES: 9889 TO 9948 RECOVERED 60.0 FT DETAILED DESCRIPTION OF 20.00 LITHOLOGY-(LS) SHOWS-(OIL) DETAILED DESCRIPTION OF 10.00 LITHOLOGY-(LS) POROSITY-(V) SHOWS-(NS) DETAILED DESCRIPTION OF 14.50 LITHOLOGY-(LS LS) SHOWS-(NS) DETAILED DESCRIPTION OF 3.50 LITHOLOGY-(SH) DETAILED DESCRIPTION OF 12.00 LITHOLOGY-(LS LS) SHOWS-(NS)

TREATED PERF INTERVAL AT 9906 TO 9914 BY GLAG USING 500 GALS ACID
TREATED PERF INTERVAL AT 9906 TO 9914 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 10038 TO 10060 BY ACID USING 250 GALS ACID
TREATED PERF INTERVAL AT 9965 TO 9969 BY FYD
TREATED PERF INTERVAL AT 9965 TO 9969 BY GLAG USING 250 GALS ACID
TREATED PERF INTERVAL AT 9906 TO 9919 BY FYD

AMOCO PRODUCTION COMPANY API NO: 30-025-03354-00

EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA
COMPANY: MCALESTER FUEL COMPANY SEC: 33 TWP: 015_S RNG: 032_E
LEASE: STATE JC WELL NO: 1 FIELD: ANDERSON RANCH N WOL
LAT: 32.96770 LON: 103.72040

TREATED PERF INTERVAL AT 9906 TO 9910 BY FRAC USING 250 GALS ACID
TREATED PERF INTERVAL AT 9906 TO 9910 BY ACID USING 1000 GALS ACID
TREATED COMB INTERVAL AT 9894 TO 9899 BY HYD
TREATED PERF INTERVAL AT 9894 TO 9899 BY ACID USING 1500 GALS ACID
TREATED PERF INTERVAL AT 9894 TO 9899 BY ACID USING 1500 GALS ACID
TREATED PERF INTERVAL AT 9894 TO 9900 BY ACID USING 6000 GALS ACID
DRILLING SHOWS ENCOUNTERED: AT 2540 TO 2660 SHOW-(SLI OIL FROM CT), AT 2620 TO 2650 SHOW-(SLI OIL FROM CT), AT 2740 TO 2800 SHOW-(SLI OIL FROM CT), AT 2620 TO 2860 SHOW-(SLI OIL FROM CT), AT 2950 TO 2970 SHOW-(SLI OIL FROM CT), AT 3070 TO 3180 SHOW-(SLI OIL FROM CT), AT 3380 TO 3440 SHOW-(SLI OIL FROM CT), AT 3650 TO 3690 SHOW-(SLI OIL FROM CT), AT 3820 TO 3860 SHOW-(SLI OIL FROM CT), AT 4030 TO 4125 SHOW-(SLI OIL FROM CT)
RAN THE FOLLOWING LOGS: ML,ES,IL,GRL,GRSL,CALF,GRL FROM 0 TO 10110 BY SCHL, *** DUMMY PGM CTL TO CORRECT DRILLING SHOWS IN DEPTHS

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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 33 TWP: 015 S RNG: 032 E
COMPANY: MCALESTER FUEL COMPANY
LEASE: STATE JG WELL NO: 1 FIELD: ANDERSON RANCH WOLFC
LAT: 32.97120 LON: 103.72160
LOCATION NARRATIVE: 1980FN L 2210FE L SEC

SPUD DATE: 06-06-1961 COMP DATE: 07-29-1961 ELEV: 4312 DF ELEV: 4301 GR
DRILLERS TD: 10050 LOG TD:

<<CASING>>

13-24/64	@ 460	W/ 450	SX
09-40/64	@ 4164	W/ 2216	SX
05-32/64	@ 10050	W/ 400	SX
	@	W/	SX
	@	W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PROD(OIL, EC SHOW,IP DATA,PRODUCTION TESTS,FORMATION TESTS,TREATMENTS,RAN: ES IL ML GRSL GEL, PRODUCES FROM WFMP,4IG DRILL

<<INITIAL POTENTIAL>>

PFS 9872- 9928 WITH/IP OIL: 194BBLS/D GAS: SW:
HOUR TEST: 24 CH:22/64 TP: 200 SITP: GOR: 1370 FM:WFMP
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9310- 9322, 9756- 9850, 9885- 9985,

<<TOPS AND(BASES)>>

PI TOPS	SVEV ------ 2795	SLGR ------ 4615	HUCC ------ 9697
RLAD ------ 1220	GLEN ------ 3353	GLRT ------ 5650	BRSM ------ 9413
SALT ------ 1433	PNRS ------ 3505	YESO ------ 6273	TRUR ------ 9556
TNSL ------ 2411	GRBG ------ 3774	DRKO ------ 6900	BUSH@------ 9863
YTES ------ 2513	SADE ------ 4055	ABO ------ 7565	

<<INITIAL POTENTIAL>>

FROM PERF AT 9872-9928 IN THE WFMP BY FLOW RECOVERED 194 BBLS/D OIL OVER A 24 HOUR PERIOD USING 22/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 200 PSI CASING PRESSURE PKR PSI, GOR OF 1370 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 41.0

<<PRODUCTION TESTS>>

SWAB PERF AT 9872-9928
SWAB PERF AT 9872-9928

<<FORMATION TESTS>>

DST FROM 9810 TO 9890 RESULTS OF DST: PKR
DST FROM 9756 TO 9890 INITIAL OPEN 2 HOUR RESULTS OF DST: DRY, RECOVERED 1167 FT MUD NS, OPEN FLOWING PRESSURES: FIRST INITIAL 360 FIRST FINAL 450, SHUTIN PRESSURES: INITIAL SHUT-IN 1520 ON A 1 HOUR TEST FINAL SHUT-IN 561 ON A 002 HOUR TEST
DST FROM 9885 TO 9985 INITIAL OPEN 2/HOUR, FLOWED TSTM GAS WITH A TIME TO SURFACE OF 10 MINS, RECOVERED 60 FT SLI OIL GAS CUT MUD,RECOVERED 506 FT HVY OIL GAS CUT MUD,RECOVERED 150 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 110 FIRST FINAL 245, SHUTIN PRESSURES: INITIAL SHUT-IN 2505 ON A 45 MIN TEST FINAL SHUT-IN 1230 ON A 45 MIN TEST

TREATED PERF INTERVAL AT 9872 TO 9928 BY ACID USING 500 GALS ACID
TREATED PERF INTERVAL AT 9872 TO 9928 BY ACID USING 6000 GALS ACID
RAN THE FOLLOWING LOGS: ES,IL,ML,GRSL,GEL FROM 0 TO 10050 BY SCHL, *** DUMMY PGM CTL TO CORRECT TOPS ENTRY) FLAG

ABANDONED IN (WFMP), 11-01-1966.

07/20/80 AMOCO PRODUCTION COMPANY API NO: 30-025-00359-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 33 TWP: 015 S RNG: 032 E
COMPANY: UNION OIL CO. OF CALIF.
LEASE: STATE 33 WELL NO: 3 FIELD: ANDERSON RANCH ASLEC
LAT: 32.97000 LON: 103.72400
LOCATION NARRATIVE: 1980 S L 1980 W L SEC

SPUD DATE: 01-31-1961 COMP DATE: 03-18-1961 ELEV: 4317 DF
DRILLERS TD: 10073 LOG TD:

<<CASING>>

13-24/64	@	605	W/ 700	SX
08-40/64	@	4152	W/ 700	SX
05-32/64	@	10067	W/ 500	SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODUCTI, RC SHOW,IP DATA,PRODUCTION TESTS,FORMATION TESTS,RAN: ML ES IL GRL GRSL,PRODUCES FROM WEMP,ATP DRILL

<<INITIAL POTENTIAL>>

PFS 9872- 9939 WITH/IP OIL: 337BBLS/D GAS: SW:
HOUR TEST: 24 CH: 14/64 TP: 855 SITP: GOR: 1640 FM:WEMP
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:

FORMATION TESTS:

<<TOPS AND(BASES)>>

PI TOPS				UNDESIGNATED TOP	
ANDR	1385	SADR	4087	TUBB	6902
SALT	1490	GLRT	5700	WFRR	9854
YTES	2517	AED	7606	PI BASES	
QUEN	3955	FLCC	8983	SALT	2425
		TFFG	9545		

<<INITIAL POTENTIAL>>

FROM PERF AT 9872-9939 IN THE WEMP ZONE FLOWED 337 BBLS/D OIL OVER A 24 HOUR PERIOD USING 14/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 855 PSI CASING PRESSURE 0KE PSI PLUG-BACK TD 10090 FEET, GOR OF 1640 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 47.0

<<PRODUCTION TESTS>>

FROM PERF AT 9872-9939 BY FLOW RECOVERED 17 BBLS OIL OVER A 1 HOUR PERIOD, TEST PRESSURES: TUBING PRESSURE 850 PSI

<<CORE INFORMATION>>

TOOK CORES: 9860 TO 9922 RECOVERED 28.0 FT LITHOLOGY-(LLS STRKS SH) SHOWS-(SCAT UNID) DETAILED DESCRIPTION FROM 9861 TO 9880 POROSITY-(G), 9922 TO 9955 RECOVERED 31.0 FT LITHOLOGY-(LLS STRKS SH) DETAILED DESCRIPTION FROM 9923 TO 9924 DETAILED DESCRIPTION FROM 9927 TO 9930 POROSITY-(G) DETAILED DESCRIPTION FROM 9947 TO 9948 SHOWS-(OIL), 9952 TO 9983 RECOVERED 16.1 FT LITHOLOGY-(LLS STRKS SH) SHOWS-(GOOD OIL) DETAILED DESCRIPTION FROM 9953 TO 9954 LITHOLOGY-(LS) POROSITY-(S) DETAILED DESCRIPTION FROM 9960 TO 9961 LITHOLOGY-(LS) POROSITY-(G) DETAILED DESCRIPTION FROM 9967 TO 9969 POROSITY-(G), 9983 TO 10010 RECOVERED 10.0 FT LITHOLOGY-(LLS) SHOWS-(NS)

RAN THE FOLLOWING LOGS: ML,ES,IL,GRL,GRSL,GEL FROM 100 TO 10050 BY SCHL, *** DUMMY PGM CTL TO CORRECT TOPS EMPROD FLAG, *** DUMMY PGM CTL TO CORRECT CUBLD INT DEPTHSRC SEGMS

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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 34 TWP: 015 S RNG: 032 E
COMPANY: STOLTZ & CO
LEASE: STANDARD-STATE WELL NO: 1 FIELD: ANDERSON RANCH WOLFC
LAT: 32.97920 LON: 103.70330
LOCATION NARRATIVE: 330FN L 1650FW L SEC

SPUD DATE: 10-17-1966 COMP DATE: 11-30-1966 ELEV: 4297 D
DRILLERS TD: 10334 LOG TD:

<<CASING>>

13-3/4/64	@	465	W/	450 SX
08-5/8/40	@	4000	W/	600 SX
04-1/2/32	@	10318	W/	250 SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:DEV,FINAL:OIL,WELL CLASS: PRODUCTION,HC
SHOW,IP DATA,TREATMENTS,PAY: SPL,PRODUCES
PROV WFMP,ATP DRILL

<<INITIAL POTENTIAL>>

PFS 10170-10260 WTR/IP OIL: 300BLS/D GAS: SW: 100BLS/D
HOUR TEST: 24 CH: /64 TP: SITP: GOR: 967 FM:WFMP
PFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WTR/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 10018-10073,10093-10240.

<<TOPS AND(BASES)>>

PI TOPS		GLET	5779	INTERPOLATED TOP	SALT 3470
ANDR	1389	DEAD	6990	TUBB 7227	6944
YTES	2582	ABO	7471	WFMP 7227	6944
QUEN	3357	WFMP	9473	CSGD 7227	10100
SADR	3693	TREA	9828	PI BASES	

<<INITIAL POTENTIAL>>

FROM PERF AT 10170-10260 IN THE WFMP BY PUMP RECOVERED 30 BBLS/D OIL 00 BBLS/D WATER OVER A 24 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 10300 FEET, GOR OF 967 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 42.7

<<FORMATION TESTS>>

DST FROM 10018 TO 10073 INITIAL OPEN 2 HOUR, RECOVERED 120 FT SLI OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 96 FIRST FINAL 96, SHUTIN PRESSURES: INITIAL SHUT-IN 312 ON A 45 MIN TEST FINAL SHUT-IN 356 ON A 001 HOUR 55 MIN TEST

DST FROM 10093 TO 10240 INITIAL OPEN 4 HOUR, FLOWED 448 MCFD GAS WITH A TIME TO SURFACE OF 4 MINS, FLOWED OIL GRAVITY OF RECOVERED FLUID-40.0, RECOVERED 600 FT OIL GAS CUT 400,RECOVERED 4000 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 240 FIRST FINAL 600, SHUTIN PRESSURES: INITIAL SHUT-IN 3100 ON A 45 MIN TEST FINAL SHUT-IN 3052 ON A 002 HOUR 33 MIN TEST

TREATED PERF INTERVAL AT 10170 TO 10260 BY ACID USING 7000 GALS ACID
RAN THE FOLLOWING LOGS: GRL FROM 50 TO 10323 BY SCHL, ### DUMMY PGM CTL TO CORRECT TOPS EMPROD FLAG

ABANDONED IN (WFMP), 02-08-1968.

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EXPLORATION SYSTEMS SCOUT TICKET(T-9)

STATE: NM COUNTY: LEA SEC: 1 TWP: 018S RNG: 032E
COMPANY: GULF OIL CORP
LEASE: LEA-STATE NCT-AB WELL NO: 2 FIELD: ANDERSON RANCH N WOL
LAT: 32.96320 LON: 103.72540
LOCATION NARRATIVE: 660FN L 560FW L SEC

SPUD DATE: 03-03-1962 COMP DATE: 04-27-1962 ELEV: 4316 DF ELEV: 4304 GR
DRILLERS TD: 10107 LOG TD:

<<CASING>>

13-24/64 @	539 W/	625 SX	
08-40/64 @	4150 W/	500 SX	
05-32/64 @	10107 W/	475 SX	
@	W/	SX	
@	W/	SX	

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODOIL,
RE-ENTERED 1968,HC SHOW,IP DATA,PRODUCTION
TESTS,FORMATION TESTS,TREATMENTS,RAN: IL ES
MICS CBL GRNL,PRODUCES FROM WFMP,AIR DRILL

<<INITIAL POTENTIAL>>

PFS 9802- 9836 WITP/IP OIL: 240BBLS/D GAS: SW:
HOUR TEST: 12 CH: 14/64 TP: 300 SITP: GOR: 1950 FM:WFMP
PFS 9802- 9930 WITP/IP OIL: 30BBLS/D GAS: SW: 216BBLS/D
HOUR TEST: 24 CH: /64 TP: SITP: GOR: FM:WFMP
PFS - WITP/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS:

<<TOPS AND(BASES)>>

PI TOPS	GLRT ----- 5683		
RSLR ----- 1309	TUBB ----- 6977		
YTES ----- 2515	ABO ----- 7620		
QUEN ----- 3370	WFMP ----- 8357		
SADR ----- 4130			

<<INITIAL POTENTIAL>>

FROM PERF AT 9802-9836 IN THE WFMP BY FLOW RECOVERED 240 BBLS/D OIL OVER A 12 HOUR PERIOD USING 14/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 300 PSI CASING PRESSURE PKR PSI PLUG-BACK TO 10077 FEET, GOR OF 1950 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 39.5
FROM PERF AT 9802-9930 IN THE WFMP BY PUMP RECOVERED 30 BBLS/D OIL 216 BBLS/D WATER OVER A 24 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 10076 FEET

<<PRODUCTION TESTS>>

FROM PERF AT 9802-9836 BY FLOW RECOVERED 30 BBLS OIL OVER A 1 HOUR PERIOD USING 48/64 INCH CHOKE, TEST PRESSURES: PLUG-BACK TO 10076 FEET
SWAB PERF AT 9922-9930 IN THE WFMP RECOVERED 32 BBLS OIL OVER A 10 HOUR 30 MIN PERIOD

TREATED PERF INTERVAL AT 9802 TO 9836 BY ACID USING 500 GALS ACID
TREATED PERF INTERVAL AT 9922 TO 9930 BY CLAC USING 500 GALS ACID
TREATED PERF INTERVAL AT 9922 TO 9930 BY ACID USING 1500 GALS ACID
RAN THE FOLLOWING LOGS: IL,ES,MICS,GPL,GRNL,CBL FROM 200 TO 10101 BY PGAC, 444 DUMMY PGM CTL TO CORRECT TOPS ENBEDD FLAG

RE-ENTERED: ON 03-25-1968 LEASE CARRIED AS THE GULF OIL CORP NUMBER 2 LEA-STATE B NCT-
RECOMPLETED 04-19-1968, INITIAL DEV, FINAL OIL.

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EXPLORATION SYSTEMS SCOUT TICKET(T-2)

STATE: NM COUNTY: LEA
COMPANY: PLYMOUTH OIL COMPANY SEC: 1 TWP: 01S RNG: 032 E
LEASE: STATE A WELL NO: 1 FIELD:
LOCATION NARRATIVE: 330FS L 1980FW L SEC LAT: 32.98150 LON: 103.72300

SPUD DATE: 12-15-1953 COMP DATE: 05-03-1954 ELEV: 4297 DF
DRILLERS TD: 9945 LOG TD:

<<CASING>>

13-24/64	@	499	W/	500 SX
09-40/64	@	4213	W/	2501 SX
07-00/64	@	9945	W/	500 SX
	@		W/	SX
	@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:WC,FINAL:DEA,WELL CLASS: D&A,HC SHOW,
PRODUCTION TESTS,FORMATION TESTS,TREATMENTS,
RAN: ES SFL1 SFL,LITH FILE

<<INITIAL POTENTIAL>>

PFS
HOUR TEST: CH: WTR/IP OIL: /64 TP: SITP: GAS: SW:
PFS GOR: FM:
HOUR TEST: CH: WTR/IP OIL: /64 TP: SITP: GAS: SW:
PFS GOR: FM:
HOUR TEST: CH: WTR/IP OIL: /64 TP: SITP: GAS: SW:
FORMATION TESTS: 9732-9797, 9783-9840, 9783-9863, 9926-9945, GOR: FM:

<<TOPS AND(BASES)>>

PI TOPS		ABO ----- 7630	WFMP -222- 6866
ANDR -----	1267	WFMP ----- 8010	
YTES -----	2635	SLES ----- 9650	
SADR -----	4174	INTERPOLATED TOP	
GLRT -----	5703	QUEN -222- 3393	

<<PRODUCTION TESTS>>

SWAB PERF AT 9830-9850, TEST PRESSURES: PACKER SET AT 9766 FEET PLUG-BACK TO 9943 FEET
FROM PERF AT 9830-9850 BY FLOW RECOVERED 24 BBLS OIL OVER A 4 HOUR PERIOD USING 48/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 100 PSI PACKER SET AT 9766 FEET PLUG-BACK TO 9943 FEET
FROM PERF AT 9830-9850 BY FLOW RECOVERED 108 BBLS OIL OVER A 22 HOUR PERIOD USING 32/64 INCH CHOKE, TEST PRESSURES: PACKER SET AT 9766 FEET PLUG-BACK TO 9943 FEET
SWAB PERF AT 9906-9940, TEST PRESSURES: PACKER SET AT 9875 FEET PLUG-BACK TO 9943 FEET
SWAB PERF AT 9906-9940 RECOVERED 100 PCT WATER OVER A 5 HOUR PERIOD
SWAB PERF AT 9672-9692 RECOVERED 100 PCT WATER, TEST PRESSURES: PLUG-BACK TO 9864 FEET
SWAB PERF AT 9672-9692 RECOVERED 100 PCT WATER, TEST PRESSURES: PACKER SET AT 9663 FEET PLUG-BACK TO 9864 FEET
SWAB PERF AT 9672-9692, TEST PRESSURES: PLUG-BACK TO 9708 FEET
SWAB PERF AT 9672-9692 RECOVERED 20 BBLS/D WATER OVER A 4 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 9864 FEET
SWAB PERF AT 9830-9850 RECOVERED 50 BBLS OIL 30 PCT WATER OVER A 3 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 9864 FEET
SWAB PERF AT 9830-9850 RECOVERED 20 BBLS OIL 7 BBLS/D WATER OVER A 7 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 9864 FEET
SWAB PERF AT 9830-9850 RECOVERED 19 BBLS OIL 14 BBLS/D WATER OVER A 11 HOUR PERIOD, TEST PRESSURES: PLUG-BACK TO 9864 FEET

<<FORMATION TESTS>>

DST FROM 9732 TO 9797 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 15 FT MUD
DST FROM 9783 TO 9840 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR, RECOVERED 10 FT MUD NS, SHUTIN PRESSURES: FINAL SHUT-IN 25 ON A 15 MIN TEST
DST FROM 9783 TO 9863 WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 3 HOUR, FLOWED GAS WITH A TIME TO SURFACE OF 43 MINS, RECOVERED 30 FT HVY OIL GAS CUT MUD,RECOVERED 915 FT OIL, OPEN FLOWING PRESSURES: FIRST INITIAL 200 FIRST FINAL 435, SHUTIN PRESSURES: FINAL SHUT-IN 1000 ON A 30 MIN TEST
DST FROM 9906 TO 9945 WITH A 1-00/64 INCH TOP 3-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 1 HOUR 30 MIN, FLOWED GAS WITH A TIME TO SURFACE OF 7 MINS, RECOVERED 200 FT HVY OIL GAS CUT MUD,RECOVERED 460 FT OIL,RECOVERED 30 FT SLI WTR, OPEN FLOWING PRESSURES: FIRST INITIAL 120 FIRST FINAL 840, SHUTIN PRESSURES: FINAL SHUT-IN 2065 ON A 15 MIN TEST

<<CORE INFORMATION>>

TOOK CORES: 9896 TO 9743 RECOVERED 20.0 FT LITHOLOGY-(LS STKS SH) POROUS ZONE-(TYPE: C), 9714 TO 9774 RECOVERED 24.0 FT DETAILED DESCRIPTION OF +.00 LITHOLOGY-(LS) DETAILED DESCRIPTION OF 7.00 LITHOLOGY-(SH) DETAILED

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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 1 TWP: 016 S RNG: 032 E
COMPANY: PLYMOUTH OIL COMPANY
LEASE: STATE A WELL NO: 1 FIELD:
LAT: 32.99150 LON: 103.73250

DESCRIPTION OF 15.00 LITHOLOGY-(STOKS SH SH), 9774 TO 9794 RECOVERED 15.0 FT
DETAILED DESCRIPTION OF 8.50 LITHOLOGY-(STOKS SH SH) DETAILED DESCRIPTION OF
3.50 LITHOLOGY-(LS) SHOWS-(GOOD ODOR-U BLED O&G) DETAILED DESCRIPTION OF 6.00
LITHOLOGY-(STOKS SH SH)

TREATED PERF INTERVAL AT 9830 TO 9850 BY ACID USING 1500 GALS ACID
TREATED PERF INTERVAL AT 9830 TO 9850 BY ACID USING 5000 GALS ACID
TREATED PERF INTERVAL AT 9906 TO 9940 BY ACID USING 1500 GALS ACID
TREATED PERF INTERVAL AT 9672 TO 9692 BY ACID USING 1500 GALS ACID
TREATED PERF INTERVAL AT 9672 TO 9692 BY ACID USING 1500 GALS ACID
TREATED PERF INTERVAL AT 9672 TO 9692 BY ACID USING 500 GALS ACID
TREATED PERF INTERVAL AT 9672 TO 9692 BY ACID USING 1500 GALS ACID
RAN THE FOLLOWING LOGS: GR,SPLL BY PERFCO,GRL FROM 0 TO 4250 BY SCHL

07/29/80 AMOCO PRODUCTION COMPANY API NO: 30-025-03362-00
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EXPLORATION SYSTEMS SCOUT TICKET(T-3)

STATE: NM COUNTY: LEA SEC: 2 TWP: 21S RNG: 35E
COMPANY: CONTINENTAL OIL CO.
LEASE: ANDERSON RANCH UNIT WELL NO: 6 FIELD: ANDERSON RANCH WOLFC
LAT: 32.94430 LON: 103.7307
LOCATION NARRATIVE: 660FS L 660FE L SEC

SPUD DATE: 09-02-1953 COMP DATE: 11-20-1953 ELEV: 4293 DF
DRILLERS TD: 9980 LOG TD:

<<CASING>>

17-24/64 @	825	W/ 900	SX
09-40/64 @	3311	W/ 2545	SX
07-00/64 @	9980	W/ 185	SX
@		W/	SX
@		W/	SX

<<CONDENSED WELL SUMMARY>>

INITIAL:FIELD,FINAL:OIL,WELL CLASS: PRODTIL,
HC SHOW,IP DATA,PRODUCTION TESTS,FORMATION
TESTS,TREATMENTS,RAN: ES GRNL GRL

<<INITIAL POTENTIAL>>

PFS 9730- 9800 WITH/IP OIL: 750BBLS/D GAS: SW:
HOUR TEST: 6 CH: 20/64 TP: 350 SITP: GOR: 1582 FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
PFS - WITH/IP OIL: GAS: SW:
HOUR TEST: CH: /64 TP: SITP: GOR: FM:
FORMATION TESTS: 9620- 9632, 9909- 9980,

<<TOPS AND(BASES)>>

PI TOPS	ABC ----- 7522		
YTOS ----- 2525	FLCC ----- 8990		
SADR ----- 4176			
GLRT ----- 5660			
TUBB ----- 6835			

<<INITIAL POTENTIAL>>

FROM PERF AT 9730-9800 BY FLOW RECOVERED 750 BBLS/D OIL OVER A 6 HOUR PERIOD USING 20/64 INCH CHOKE, TEST PRESSURES: TUBING PRESSURE 350 PSI CASING PRESSURE 850 PSI PACKER SET AT 9700 FEET, GOR OF 1582 RESULTS OF OIL ANALYSIS: OIL GRAVITY OF 42.)

<<PRODUCTION TESTS>>

SWAB PERF AT 9730-9800, TEST PRESSURES: PACKER SET AT 9710 FEET
FROM PERF AT 9730-9800 BY FLOW RECOVERED 105 BBLS OIL 1234 MCFD GAS OVER A 6 HOUR PERIOD USING 20/64 INCH CHOKE

<<FORMATION TESTS>>

DST FROM 9620 TO 9632 WITH 540 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 4 HOURS 15 MIN, FLOWED GAS WITH A TIME TO SURFACE OF 100 MINS, RECOVERED 540 FT WTR CUSH,RECOVERED 4800 FT HVY OIL GAS CUT MUD, OPEN FLOWING PRESSURES: FIRST INITIAL 475 FIRST FINAL 1275, SHUTIN PRESSURES: FINAL SHUT-IN 1125 ON A 15 MIN TEST
DST FROM 9909 TO 9980 WITH 540 FT WTR CUSH, WITH A 1-00/64 INCH TOP 0-40/64 INCH BOTTOM CHOKE, INITIAL OPEN 2 HOURS, RECOVERED 540 FT WTR CUSH,RECOVERED 60 FT SUL WTR, OPEN FLOWING PRESSURES: FIRST FINAL 475, SHUTIN PRESSURES: FINAL SHUT-IN 1300 ON A 15 MIN TEST

TREATED PERF INTERVAL AT 9730 TO 9800 BY ACID USING 2750 GALS ACID
TREATED PERF INTERVAL AT 9730 TO 9800 BY ACID USING 1000 GALS ACID
TREATED PERF INTERVAL AT 9730 TO 9800 BY ACID USING 5000 GALS ACID
RAN THE FOLLOWING LOGS: ES,GRNL,GRL FROM 9490 TO 9981 BY WELEX

HNT-773

APPLICANT'S SWORN STATEMENT

BEFORE EXAMINER NUTTER
OIL CONSERVATION DIVISION
Amoco EXHIBIT NO. 6
CASE NO. 6992

STATE OF TEXAS }
COUNTY OF HARRIS }

Before me, the undersigned authority, on this day personally appeared E. E. MORRIS, in his capacity as Attorney-in-Fact for Amoco Production Company, who, upon being duly sworn, hereby states:

1. That he is an Attorney-in-Fact for Amoco Production Company, the Applicant in the proceedings in which this sworn statement is to be filed, and that he is duly qualified and authorized to make the statements hereinafter set out, and that such statements are true and correct;

2. That he has made, or has caused to be made pursuant to his instructions, a diligent search of all records which are reasonably available and contain information relevant to the determination of eligibility;

3. That the search included reviewing the following described records: Application for Discovery Allowable and New Field Determination, Notice of Commission Action, maps of the surrounding area to determine the wells that have penetrated the reservoir prior to April 20, 1977, Completion Reports, well test data on the filed well and on all surrounding wells in the surrounding area, logs, cross section, formation structure maps and pressure data. ;
These records are located at Amoco Production Company's West Texas/ Eastern New Mexico Division Office, Box 3092, Houston, Tx 77001;
however, other records which he believes may contain information relevant to the determination, which records are described as follows: (none) , he has determined were not reasonably available to him.

4. That on the basis of the results of this search and examination, he has concluded that to the best of his information, knowledge, and belief, the natural gas to be produced and for which he seeks a determination is from a new onshore reservoir, that such natural gas was not produced in commercial quantities from the reservoir prior to April 20, 1977, that the Reservoir had not been penetrated before April 20, 1977, by an old well from which natural gas or crude oil was produced in commercial quantities from any reservoir, and that such natural gas will not be produced through an old well; and

5. That he has no knowledge of any other information not described in the application which is inconsistent with his conclusion.

DATED this 31 day of July, 1980.

Applicant: AMOCO PRODUCTION COMPANY

By Earl E. Morris
Division Production Manager
P. O. Box 3092
Houston, Tx 77001

SUBSCRIBED AND SWORN TO BEFORE ME this 31 day of July, 1980, to certify which witness my hand and seal of office.

Notary Public in and for
Harris County, Texas

My Commission Expires:

5/24/81

ATWOOD, MALONE, MANN & COOTER
A PROFESSIONAL ASSOCIATION
LAWYERS

JEFF D. ATWOOD [1883-1960]
ROSS L. MALONE [1910-1974]

P. O. DRAWER 700
SECURITY NATIONAL BANK BUILDING
ROSWELL, NEW MEXICO 88201
[505] 622-6221

CHARLES F. MALONE
RUSSELL D. MANN
PAUL A. COOTER
BOB F. TURNER
JOHN W. BASSETT
ROBERT E. SABIN
BRIAN W. COPPLE

RANDAL W. ROBERTS
STEVEN L. BELL
WILLIAM P. LYNCH

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OIL CONSERVATION DIVISION
SANTA FE

July 31, 1980

Mr. Joe Ramey
Secretary-Director
Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

RE: Examiner Hearing - Tuesday, August 5, 1980
Cause Nos. 6992 and 6956

Dear Mr. Ramey:

We would appreciate your filing the enclosed Entries of Appearance for Amoco Production Company in Cause Nos. 6992 and 6956.

Your assistance in this matter is appreciated.

Very truly yours,

Paul Cooter

PC/le

Encs.

cc: C. A. Mote, Esq.

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AUG 0 1 1980
OIL CONSERVATION DIVISION
SANTA FE

BEFORE THE OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION)
OF AMOCO PRODUCTION COMPANY FOR)
AN NGPA DETERMINATION, LEA COUNTY,)
NEW MEXICO.)

NO. 6992

ENTRY OF APPEARANCE

The undersigned hereby enter their appearance on behalf of Amoco Production Company with C. A. Mote of Houston, Texas.

ATWOOD, MALONE, MANN & COOTER, P.A.

By _____

P. O. Drawer 700
Roswell, New Mexico 88201

ROUGH

dr/

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 6992

Order No. R-6454

APPLICATION OF AMOCO PRODUCTION COMPANY

_____ FOR AN NGPA DETERMINATION,

LEA COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on August 6, 19 80, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this _____ day of August, 19 80, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Amoco Production Company, seeks a determination by the Division, in accordance with Sections 2 (6) and 102 of the Natural Gas Policy Act of 1978, and the

applicable rules of the Federal Energy Regulatory Commission, that its Anderson 3 Com Well No. 1 located in Unit R of Section 3, Township 16 South, Range 32 East NMPM, Lea County, New Mexico, has discovered a new onshore reservoir from which natural gas was not produced in commercial quantities before April 20, 1977.

(3) That said well was completed in the Morrow formation with perforations from 12,456 feet to 12,463 feet, and a plugged-back depth of 12,585 feet after having been drilled to a total depth of 12,635 feet.

(4) That although there are several wells in the general vicinity of the subject well which have penetrated and are or were completed in the Morrow formation, pressures and productive capacity encountered in said Anderson 3 Com Well No. 1 as compared to said wells are completely distinctive and are indicative of an undrained reservoir.

(5) That the combined geological and engineering data presented establishes that said Anderson 3 Com Well No. 1 has been completed in a new onshore reservoir as defined by the provisions of Section 102 of the Natural Gas Policy Act of 1978 and the applicable rules of the Federal Energy Regulatory Commission.

IT IS THEREFORE ORDERED:

(1) That the Anderson 3 Com Well No. 1 located in Unit R of Section 3, Township 16 South Range 32 East, NMPM, Lea County, New Mexico, is completed in a new onshore reservoir as defined by Sections 2 (6) and 102 of the Natural Gas Policy Act of 1978, and the applicable rules of the Federal Energy Regulatory Commission.

(2) That jurisdiction of this cause is hereby retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

CASE 6992: Application of Amoco Production Company for an NGPA determination, Lea County, New Mexico. Applicant, in the above-styled cause, seeks a new onshore reservoir determination in the Morrow formation for its Anderson 3 Com. Well No. 1 in Unit R of Section 3, Township 16 South, Range 32 East.

CASE 6956: (Continued from July 9, 1980, Examiner Hearing)

Application of Amoco Production Company for an NGPA determination, Lea County, New Mexico. Applicant, in the above-styled cause, seeks a new onshore reservoir determination in the Morrow formation for its State "CH" Well No. 1 located in Unit F of Section 21, Township 16 South, Range 35 East.

CASE 6957: (Continued from July 9, 1980, Examiner Hearing)

Application of Amoco Production Company for an NGPA determination, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks a new onshore reservoir determination in the Morrow formation for its State HK Com Well No. 1 located in Unit L of Section 6, Township 24 South, Range 25 East.

CASE 6993: Application of Tom Bolack for compulsory pooling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Dakota formation underlying the S/2 of Section 1, Township 30 North, Range 12 West, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

CASE 6994: Application of Enserch Exploration, Inc. for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Wolfcamp thru Siluro-Devonian formations underlying the N/2 of Section 14, Township 25 South, Range 34 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

CASE 6995: Application of Petro-Lewis Corporation for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Penrose Skelly, Blinebry, and Drinkard production in the wellbore of its L. G. Warlick Well No. 2 located in Unit B of Section 19, Township 21 South, Range 37 East.

CASE 6996: Application of John E. Schalk for compulsory pooling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Blanco Mesaverde Pool underlying the NE/4 of Section 8, Township 25 North, Range 3 West, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

CASE 6982: (Continued from July 23, 1980, Examiner Hearing)

In the matter of the hearing called by the Oil Conservation Division on its own motion to permit Aminoil USA to appear and show cause why its 1980 Plan of Operation/Development for its Willow Lake Unit Area, Eddy County, New Mexico, should not be disapproved.

CASE 6997: Application of Benson-Montin-Greer Drilling Corporation for amendment of pool rules, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of the Special Rules and Regulations for the West Puerto Chiquito-Mancos Oil Pool, as promulgated by Order No. R-2565-B, which currently prescribe 320-acre spacing for pool.

Applicant proposes that said rules be amended to provide for 640-acre spacing units with wells to be located within 165 feet of the center of a governmental quarter section.

Applicant further seeks approval for the following non-standard spacing units in Township 24 North, Range 1 East: two 640-acre units being the E/2 of Section 7 and W/2 of 8, and the W/2 of Section 17 and E/2 of 18; and two 480-acre units being the N/2 of Section 19 and NW/4 of 20, and the S/2 of Section 19 and SW/4 of 20; in Township 24 North, Range 1 West: a 320-acre unit being the N/2 of Section 1 and two 640-acre units being the N/2 of Sections 23 and 24, and the S/2 of Sections 23 and 24; also the following eight 640-acre units: the W/2 of Section 29 and E/2 of 30, Township 25 North, Range 1 East; the E/2 of Section 19 and W/2 of 20, Township 26 North, Range 1 East; the E/2 of Sections 5 and 8; the W/2 of Sections 5 and 8; the E/2 of Sections 17 and 20; and the W/2 of Sections 17 and 20, all in Township 26 North, Range 1 West; the W/2 of Sections 1 and 12, and the W/2 of Sections 13 and 24, all in Township 27 North, Range 1 West; also three 600-acre units being the W/2 of Section 25 and all of 26; all of Section 27 and the E/2 of 28; and the W/2 of Section 28 and all of 29, Township 27 North, Range 1 West; and one 320-acre unit in the same township comprising all of Section 30.

Docket No. 24-80

Dockets Nos. 26-80 and 27-80 are tentatively set for August 20 and September 3, 1980. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: COMMISSION HEARING - TUESDAY - AUGUST 5, 1980

OIL CONSERVATION COMMISSION - 9 A.M. - ROOM 205
STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

CASE 6848: (DE NOVO)

Application of Petroleum Development Corporation for pool contraction and creation, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the contraction of the Querecho Plains-Bone Spring Pool to comprise the Upper Bone Spring formation only, from 8390 feet to 8680 feet on the log of its McKay West Federal Well No. 1 located in Unit F of Section 34, Township 18 South, Range 32 East, and the creation of the Querecho Plains-Lower Bone Spring Pool to comprise said formation from 8680 feet to the base of the Bone Spring underlying the NW/4 of said Section 34.

Upon application of Petroleum Development Corporation this case will be heard De Novo pursuant to the provisions of Rule 1220.

CASE 6987: Application of Getty Oil Company for statutory unitization, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order unitizing, for the purpose of continued secondary recovery operations, all mineral interests from a point 100 feet above the base of the Seven Rivers formation down to the base of the Queen formation underlying the Myers Langlie Mattix Unit Area, which encompasses 9360 acres, more or less, being all or portions of the following lands in Lea County, New Mexico: Sections 25 and 36, Township 23 South, Range 36 East; Sections 28 thru 34, Township 23 South, Range 37 East; Sections 1 and 12, Township 24 South, Range 36 East; and Sections 2 thru 11, Township 24 South, Range 37 East.

Among the matters to be considered at the hearing will be the necessity of unit operations; the designation of a unit operator; the determination of the horizontal and vertical limits of the unit area; the determination of a fair, reasonable, and equitable allocation of production and costs of production, including capital investment, to each of the various tracts in the unit area; the determination of credits and charges to be made among the various owners in the unit area for their investment in wells and equipment; and such other matters as may be necessary and appropriate for carrying on efficient unit operations, including, but not necessarily limited to, unit voting procedures, selection, removal, or substitution of unit operator, and time of commencement and termination of unit operations.

****

Docket No. 25-80

DOCKET: EXAMINER HEARING - WEDNESDAY - AUGUST 6, 1980

9 A.M. - OIL CONSERVATION DIVISION CONFERENCE ROOM,
STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

The following cases will be heard before Daniel S. Nutter, Examiner, or Richard L. Stamets, Alternate Examiner:

CASE 6988: In the matter of the hearing called by the Oil Conservation Division on its own motion to permit Bennett Petroleum Corporation, The Travelers Indemnity Company, and all other interested parties to appear and show cause why the Phelps Dodge Well No. 2 in Unit J of Section 4 and Wells Nos. 3 in Unit P and 3Y in Unit I of Section 9, all in Township 28 North, Range 21 East, and No. 5 in Unit P of Section 24, Township 28 North, Range 20 East, Colfax County, should not be plugged and abandoned in accordance with a Division-approved plugging program.

CASE 6989: Application of Read & Stevens, Inc. for a unit agreement, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the Lancaster Spring Unit Area, comprising 960 acres, more or less, of State, Federal, and fee lands in Township 22 South, Range 26 East.

CASE 6990: Application of Read & Stevens, Inc. for a unit agreement, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the North Haystack Unit Area, comprising 4800 acres, more or less, of State, Federal, and fee lands in Township 5 South, Range 26 East.

CASE 6991: Application of Amoco Production Company for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the San Andres formation in a 100 foot perforated interval between 4400 feet and 4800 feet in its South Hobbs Unit Well No. 103 in Unit B of Section 15, Township 19 South, Range 38 East, Hobbs Grayburg-San Andres Pool.

Enclosed with this docket is one copy each of recently revised Forms C-132 and C-132-A. You may wish to keep these forms in your files for reproduction and use in filing for NGPA gas well price determinations.

RECEIVED
JUL 11 1980
OIL CONSERVATION DIVISION
SANTA FE

Amoco Production Company
Houston Region
500 Jefferson Building
Post Office Box 3092
Houston, Texas 77001

J. R. Barnett
Regional Engineering
Manager

Case 6992

July 9, 1980

File: JCA-986.51NM-3020

Re: NGPA Determination Anderson
Com. Well No. 1
Lea County, New Mexico

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87501

ATTN: Mr. Joe D. Ramey

Gentlemen:

Amoco Production Company requests a hearing for obtaining an NGPA determination in Lea County, New Mexico. We seek a new onshore reservoir determination in the Morrow formation for our Anderson 3 Com. Well No. 1 located in Unit R of Section 3, T-16-S, R-32-E.

Please place this item on the Examiner Hearing Docket of August 6, 1980. If you should have any questions, direct them to Mr. Mike Brown (713-652-7238).

Yours very truly,

J. R. Barnett
HMB

HMB/ljw

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SANTA FE

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Houston Region
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500 Jefferson Building
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OIL CONSERVATION DIVISION
SANTA FE

Case 6992

July 9, 1980

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