ase Number 5996 Application Transcripts. Small Exhibits

BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico 20 July 1977

EXAMINER HEARING

IN THE MATTER OF:

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Application of Petroleum Corporation of)
Texas for salt water disposal, Eddy)
County, New Mexico.

CASE 5996

BEFORE: Richard L. Stamets

TRANSCRIPT OF HEARING

APPEARANCES

For the New Mexico Oil Conservation Commission:

Lynn Teschendorf, Esq.
Legal Counsel for the Commission
State Land Office Building
Santa Fe, New Mexico

For the Applicant:

Jack M. Campbell, Esq. CAMPBELL, BINGAMAN, & BLACK San Francisco and Jefferson Santa Fe, New Mexico

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General Court Reporting Service

General Court Santa Fe, New Mexico 87501

Phone (505) 982-9212

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ARTHUR BOYCE

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General Court Reporting Service
825 Calle Mejia, No. 122, Santa Fe, New Mexico 87501
Phone (505) 982-9212

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24⁻ 25 MR. STAMETS: Call Case 5996.

MS. TESCHENDORF: Case 5996. Application of Petroleum Corporation of Texas for salt water disposal, Eddy County New Mexico.

MR. CAMPBELL: Jack M. Campbell, Campbell, Bingaman and Black, Santa Fe, New Mexico, appearing on behalf of the applicant.

MR. STAMETS: Do you have a witness?

MR. CAMPBELL: One witness to be sworn.

(Witness sworn.)

ARTHUR BOYCE

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

DIRECT EXAMINATION

BY MR. CAMPBELL:

- Q. Will you state your name, please?
- A. Arthur Boyce.
- Q. Where do you live and by whom are you employed, Mr. Boyce?
- A. I live in Breckenridge, Texas, and I'm employed by Petroleum Corporation of Texas.
 - Q In what capacity?
 - A. As a Division Superintendent for the production in

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the west Texas and New Mexico area.

- Q. Will you give the Examiner a brief description of your educational and professional background and experience, please?
- A. I obtained a Bachelor of Science in Mechanical Engineering from the University of Texas in 1965; went to work for Mobil Oil and worked for them up until April of this year and then went to work for Petroleum Corporation of Texas.
 - Q. What did you do for Mobil?
- A. While I was with them I worked in the production of oil and gas in the operation of gas plants in the Permian Basin area and in the Breckenridge area.

MR. CAMPBELL: Are the witness' qualifications acceptable to the Examiner?

MR. STAMETS: Yes, they are.

- Q (Mr. Campbell continuing.) Are you acquainted with the application of Petroleum Corporation of Texas in this case?
 - A. Yes.
- Q. Would you state in general terms to the Examiner what it is you are seeking here?
- A. We'd like authority to produce salt water into the Abo Formation in Dexter Federal Well Number 3, located in Unit I in Section 22, Township 17 South, Range 30 East, in Eddy County, New Mexico.

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Q.	1	hand	you	, Mr.	Boy	γce,	what	's	been	ide	entifie	đ as
Applican	t':	s Exh:	ibit	Numbe	er C	One,	and	ask	you	to	state,	please
what that	t :	is?										

- That's a plat showing the location of this well, as I just described.
- And referring to that Exhibit One, will you state where the exact location of the proposed disposal well is?
- It's in Unit I, Section 22, Township 17 South, Range 30 East. It's 2310 feet from the south, 330 feet from the cast line.
- Will you from this map identify who the offset lease owners are, please?
- General America is immediately north of this well and also to the northeast; Atlantic Richfield is directly cast; Anadarko is to the south and southeast; Franklin, Aston and Fair are to the southeast -- southwest; and General America also is on the west.
- I hand you what has been identified as Applicant's Exhibits 2A, 2B, 2C and 2D, and ask you state what those are, please?
- These are letters of waiver from the offset operators that I just named.
- So you do have waivers from all of the offset operators that you have previously referred to in testimony?
 - Yes, sir.

15.

Q. I now hand you what has been identified as Applicant' Exhibit Number Three, and advise the Examiner that these -- these are the logs of the proposed disposal well.

They have been -- copies have been filed with the Commission in the original application for administrative approval.

Will you state, Mr. Boyce, what Exhibit Three is?

- A. It is a log of the Dexter Federal Number 3 Well.
- Q. Are you acquainted with -- have you acquainted yourself, since you became employed with Petroleum Corporation of Texas, with the history of this proposed disposal well?
 - A. Yes, sir.
- Q. Utilizing Exhibit Three and such other information and data as you have available to you, would you describe the completion of that well and its production history?
- A. Yes. It was completed in May of 1962. Perforations of 6852 to 6864; and 6868 to 6877; 6884 to 6899; and 6906 to 6926; and in November of '63 the 6906 to 6926 was squeezed with 100 sacks, and the 6884 to 6899 was squeezed with 50 sacks in November of '64, and the well was TA'd in January of 1966 because it was uneconomical to produce.
 - Q And it has not produced since that time?
 - A. No, sir.
- Q. Did you encounter a fresh water zone at any level in the drilling and completion of this well?

Q. And what is the interval at which you wish to dispose of the salt water?

A. We wish to dispose in the perforations that are still open, from 6852 to 6864, and 6868 to 6877.

Q. Based upon your knowledge of the completion of this well, is it your opinion that this injection of salt water can take place without endangering the fresh water zone to which you have referred?

A. Yes, sir. That zone is protected by 8-5/8 casing, which is set at 1437 with 500 sacks of cement, recirculated to the surface; inside this is run 4-1/2 casing to 6939 and it was cemented with 771 sacks of cement with a DV2 of set at 6670, and I calculate that this cement should be within approximately 1500 feet of the surface.

Q. Where will the salt water which you initially intend to dispose of in this well come from?

A. It will come from our Number 2 Well on this lease.

I mean Number 1 Well on this lease, and also off the Flint B

Federal lease, which is in same township and range, but

Section 14; and our Jenkins B Federal leases, which are in

the same township and range in Section 20.

Q. As to those in Section 14 and Section 20, do you intend to, if granted this authority immediately begin to dis-

pose of salt water from those wells?

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- Q. Initially you intend to dispose only of salt water from the -- your Number 1 Well?
 - A. Yes, sir.
- Q. Have you had an analysis made, chemical analysis made of the water from that Number One Well?
 - A. Yes, sir.
- Q. I hand you what's been identified as Applicant's Exhibit Number Four, and ask you to state what that is?
- A. This is a chemical analysis on the water from the Dexter Federal J lease, which is the Number 1 Well. It shows the chlorides and total solids.
- Q Have you had analysis made of water from the other areas that you may in the future wish to use to dispose of water from?
- A. Yes, sir, I have, but I don't have copies with me, and I would like to send them in.
- Q. Would you furnish those to the Commission for the record in this case?
 - A. Yes, sir.

MR. CAMPBELL: Would that be agreeable, Mr. Examiner?

MR. STAMETS: Yes.

Q. (Mr. Campbell continuing.) Mr. Boyce, I hand you what's been identified as Applicant's Exhibit Number Five, and

ask you please to state what that is?

A. This is a wellbore sketch of how we intend to inject the water. It shows the casing strings, the perforations, the squeeze dates, and shows that we'll set a tension-type packer at 6800 and we will have 2-3/8 inch soft line tubing for the surface that we'll inject down and load the backside with chemically treated water to protect against corrosion.

Q. Mr. Boyce, it's my understanding that you originally filed an application for administrative approval for the disposal of salt water and that at that time you requested authority to dispose of that water at a shallower depth, am I correct in that?

- A. Yes, sir.
- Q. And then you filed an amended application deleting the request to inject water at the shallower depth, confining it to the perforations shown on your Applicant's Exhibit Number Five, to which you've just referred, am I correct in that?
 - A. Yes, sir.
- Q. I also understand that in the latter -- or later application for administrative approval, which is really the basis of this hearing, that there are some mathematical errors in that application, and for the -- to make the record correct in this case, would you please identify what those corrections should be in your application of June 27th?
 - A. Yes, sir. In the case of the tubing setting depth

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that was 3940 and it should be 6800; that wasn't corrected when we changed our depth; that was the old depth.

MR. STAMETS: 6800?

A. Yes, sir, and the top of the formation and the bottom of the formation are also in error. The top of the formation should be 6635 and the bottom is 6939, I believe.

MR. CAMPBELL: I think, Mr. Examiner, that the publication and all in this case correctly reflects what is being sought here. This is simply to make the application conform to the -- the original application conform to the application on which this hearing is being held at this time.

- Q. (Mr. Campbell continuing.) Mr. Boyce, do you believe that if this application is granted, that it will be possible for you to obtain greater ultimate recovery of oil from your Number One Well than would otherwise be the case?
 - A. Yes, sir.
- Q. Do you believe that if this application is granted it would in any way adversely affect any correlative rights of any other owners or operators of properties?
 - A. No, sir.
- Q. At what general rate to you anticipate injecting this salt water?
 - A. Between 400 and 675 barrels per day.
- Q. Do you have any present estimates of the range of injection pressures that might be required?

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A. Between 100 and 1500 por

Q. You do not believe it would, in any event, exceed 1500 pounds?

A. No, sir. I would think it would be in the general neighborhood of 1200, but it wouldn't, I don't believe, exceed 1500.

Q. Do you have anything further you wish to add at this time?

A. No, sir.

MR. CAMPBELL: I'd like to offer Applicant's Exhibits
One, Two A, B, C, and D, Three, Four, and Five.

MR. STAMETS: These Exhibits will be admitted.

MR. CAMPBELL: That's all the questions I have at this time.

CROSS EXAMINATION

BY MR. STAMETS:

Q What does "SALTA" apply to?

A. It's a plastic-lined tubing; it's a brand name.

Q Okay.

A. There's a factory out of Hobbs, I believe, and one in Abilene.

Q. The Commission has been setting a pressure limitation in all recent orders of approximately two-tenths of a pound per foot of depth. In this case that pressure limitation

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would be something in excess of 1360 pounds. Do you feel that that would be adequate?

- A. Yes, sir.
- Q. Okay, and we also have provided an opportunity for the operator to get a higher pressure if he needs it and can demonstrate that this higher pressure will not result in migration (? water from the injection formation. Have you reviewed the records of the wells within a half a mile of your proposed injection well that penetrate the Abo Zone?
 - A. Yes, sir.
 - Q. Do you have a record of that review?
 - A. Repeat your question again.
- Q Do you have any record of that review with you that shows the casing and setting depths of cement, and so on?
 - A. Yes, I believe I do.
- Q Is that in a form that can be submitted to the Commission?

MR. CAMPBELL: Would you state what the nature of that data is?

A. These are some scout cards that we have and it shows the casing and the cementing and the perforations and the initial production, and a few things like that on wells. I don't see why we couldn't submit them. I don't have the required number of copies.

MR. CAMPBELL: Be glad to submit them.

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Mr. Examiner, we would like to request permission to submit to you for the record in this case information concerning the completion data and any plugging information on any wells within a half mile of this proposed disposal well in the Abo Formation, or which have penetrated the Abo Formation.

MR. STAMETS: That will be just fine.

Anybody have any additional questions of this witness?

MR. RAMEY: Let me ask a couple questions.

CROSS EXAMINATION

BY MR. RAMEY:

- Q Mr. Boyce, your Exhibit Four, which is the water analysis, now this is water from your producing well?
 - A. Yes, sir.
 - Q And this is Abo water?
 - A. Yes, sir.
- Q All right, how about the other water that you plan on injecting at some later date, is that also -- will that also be Abo water?
 - A. No, sir.
- Q Would it be water that, say, has greater dissolved solids in it than the Abo water?
 - A. Yes, sir.
 - Q Okay, do you foresee any future use wherein water

from the Abo may be utilized and treated for drinking water?

A. No, sir.

- Q You can't see any -- any future use for -- wherein this might occur?
 - A. No, sir.

MR. RAMEY: Thank you. We're supposed to protect waters of 10,000 parts per million or less.

MR. CAMPBELL: May I inquire, Mr. Examiner, we have furnished the chemical analysis of the water from the Abo Well, which will be used initially, which were to be disposed of initially. May I inquire of the Examiner when and if the applicant desires to dispose of water from the other areas to which he has referred in his testimony, what will be required in terms of further approval by the Commission, or would it be contemplated that this would be covered in this order in this case?

We will be -- we're prepared to furnish to the Commission notice at such time as we contemplate disposing of water other than from this initial well and furnishing the Commission with a chemical analysis of that water and a description of the method by which that water will be transported from the leases referred to to the disposal well. If that requirement were included in this order it might make it an administrative process at that time.

MR. STAMETS: I think what we could do would be in-

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clude a provision in the order whereby the Secretary-Director can grant authorization to put additional waters in this well and require showing of the volumes and the total dissolved solids.

MR. CAMPBELL: Thank you, Mr. Examiner. That's all we have.

MR. STAMETS: Anything further? The witness will be excused. The case will be taken under advisement and the hearing is adjourned.

(Hearing concluded.)

REPORTER'S CERTIFICATE

I, Sally Walton Boyd, a Certified Shorthand Reporter, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me, and the same is a true and correct record of the said proceedings, to the best of my knowledge, skill, and ability.

Sally Walton 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. 19 hereby near the Examine on the Examine on the Examine on the Mexico Oil Conservation Commission

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OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO P. O. BOX 2088 - SANTA FE 87501

LAND COMMISSIONER
PHIL R. LUCERO
September 1, 1977



STATE GEOLOGIST EMERY C. ARNOLD

DIRECTOR
JOE D. RAMEY

Other

Mr. Jack Campbell Campbell & Bingaman Attorneys at Law Post Office Box 2208 Santa Fe, New Mexico	Re:	CASE NOORDER NO		996	
		Petroleum	Corpor	ation	of Texa
Dear Sir:			-		,
Enclosed herewith are Commission order recen					
Yours very truly, JOE D. RAMEY Director					
				7. T.	
JDR/fd					
Copy of order also sen	t to:				
Hobbs OCC X Artesia OCC X Aztec OCC					

BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

> CASE NO. 5996 Order No. R-5513

APPLICATION OF PETROLEUM CORPORATION OF TEXAS FOR SALT WATER DISPOSAL, EDDY COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on July 20, 1977, at Santa Fe, New Mexico, before Examiner, Richard L. Stamets.

NOW, on this 30th day of August, 1977, the Commission, a quorum being present, 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 Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Petroleum Corporation of Texas, is the owner and operator of the Dexter Federal Well No. 3, located in Unit I of Section 22, Township 17 South, Range 30 East, NMPM, Jackson Abo Pool, Eddy County, New Mexico.
- (3) That the applicant proposes to utilize said well to dispose of produced salt water into the Abo formation, with injection into the perforated interval from approximately 6,852 feet to 6,877 feet.
- (4) That the injection show accomplished through 2 3/8-inch plastic lined tubing installed in a packer set at approximately 6800 fee; that the casing-tubing annulus should be filled with an inert fluid; and that a pressure gauge or approved leak setection device should be attached to the annulus in order to determine leakage in the casing, tubing, or packer.
- (5) That the injection well or system should be equipped with a pop-off valve or acceptable substitute which will limit the wellhead pressure on the injection well to no more than 1370 psi.

-2-Case No. 5996 Order No. R-5513

- (6) That there should be no injection into said well of waters produced from any formation other than the Abo formation without written authorization from the Secretary-Director of the Commission.
- (7) That the operator should notify the supervisor of the Artesia district office of the Commission of the date and time of the installation of disposal equipment so that the same may be inspected.
- (8) That the operator should take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.
- (9) That approval of the subject application will prevent the drilling of unnecessary wells and otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Petroleum Corporation of Texas, is hereby authorized to utilize its Dexter Federal Well No. 3, located in Unit I of Section 22, Township 17 South, Range 30 East, NMPM, Jackson Abo Pool, Eddy County, New Mexico, to dispose of produced salt water into the Abo formation, injection to be accomplished through 2 3/8-inch tubing installed in a packer set at approximately 6800 feet, with injection into the perforated interval from approximately 6,852 feet to 6,877 feet;

PROVIDED HOWEVER, that the tubing shall be plastic-lined; that the casing-tubing annulus shall be filled with an inert fluid; and that a pressure gauge shall be attached to the annulus or the annulus shall be equipped with an approved leak detection device in order to determine leakage in the casing, tubing, or packer.

- (2) That the injection well or system shall be equipped with a pop-off valve or acceptable substitute which will limit the wellhead pressure on the injection well to no more than 1370 psi.
- (3) That the operator shall notify the supervisor of the Artesia district office of the Commission of the date and time of the installation of disposal equipment so that the same may be inspected.
- (4) That prior to injection into said well of waters produced from any formation other than the Abo formation the operator shall obtain written approval from the Secretary-Director of the Commission.

-3-Case No. 5996 Order No. R-5513

- (5) To obtain such approval the operator shall submit an application setting forth the source and volume of such non-Abo formation waters, an analysis of such non-Abo formation waters, and an analysis of the combined waters to be disposed of.
- (6) The Secretary-Director may administratively authorize the disposal of such additional water if the same does not result in the contamination of waters for which there may be a reasonably foreseeable use.
- (7) That the operator shall immediately notify the supervisor of the Commission's Artesia district office of the failure of the tubing, casing, or packer, in said well or the leakage of water from or around said well and shall take such steps as may be timely and necessary to correct such failure or leakage.
- (8) That the applicant shall submit monthly reports of its disposal operations in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.
- (9) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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

> STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

PHIL R. LUCERO, Chairman

P Plust

EMERY CARNOLD Member

JOE D. RAMEY, Member & Secretary

SEAL

CAMPBELL, BINGAMAN AND BLACK, P. A. LAWYERS

JACK M. CAMPBELL JEFF BINGAMAN BRUCE D. BLACK MICHAEL B. CAMPBELL



August 2, 1977

Mr. Richard L. Stamets
Technical Support Chief
New Mexico Oil Conservation
Commission
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: OCC Case 5996 - Application of Petroleum Corporation of Texas

Dear Mr. Examiner:

Pursuant to the request made in the hearing on the captioned case, I am enclosing herewith five copies of the well diagrams for all wells within one-half mile of the Dexter Federal No. 3 well which is, as you know, the disposal well. I assume you will want to file these with the case file in this matter.

Very truly yours,

Jack M. Campbell

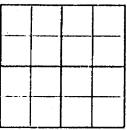
JMC:mr Enclosures

cc. Mr. Arthur Boice Petroleum Corporation of Texas

PLAN-O-GRAM

Company MacDonald Oil Corporation
Box 5402 Midland, TX

Well No. 1 Leose Sinclair-Parke
Unit Letter , Sec. 22, T-17S, R-30E
2310' FNL & 2308' FWL, Eddy County, NM



-----8-5/8" set @ 1414' w/350 sx cement. 12-9-63

-- No intermediate string of casing.

-7-7/8" hole.

--5-1/2" set @ 6979' w/350 sx cement, w/ D.V. Tool @ 4375'. Top of cement by temp. survey @ 1750'.

----2-3/8" Tbg set @ 6946'.

----Packer set @ 6885'.

-Perfs @ 6960'-76', Abo Reef.

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Unit Letter , Sec. 22, T-17S, R-30E
2310' FNL & 2308' FWL, Eddy County, NM -----8-5/8" set @ 1414' w/350 sx cement. 12-9-63 ---- No intermediate string of casing. --7-7/8" hole. -5-1/2" set @ 6979' w/350 sx cement, w/ D.V. Tool @ 4375'. Top of cement by temp. survey @ 1750'.

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----Perfs @ 6960'-76', Abo Reef.

Acidizing

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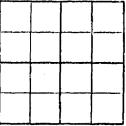
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Dump Boiler

PLAN-O-GRAM

Company <u>MacDonald Oil Corporation</u>
Box 5402 Midland, TX

Well No. 1 Leose Sinclair-Parke
Unit Letter , Sec. 22, T-178, R-30E
2310' FNL & 2308' FNL, Eddy County, NM



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Company MacDonald Oil Corporation
Box 5402 Midland, TX

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Dump Bailer

O-GRAM D C Company Petroleum Corporation of Texas Well No. 2-K Leose Dexter Federal Unit letter K, Sec. 22, T-17S, R-30E 2310' FSL, 2310' FWL, Eddy County, NM -8-5/8" Set @ 1301' w/275 sx cement - circulated to surface. -- No intermediate srting of casing. --Hole size 7-7/8". -4-1/2" Set @ 6964' w/825 sx cement using Halliburton D.V. Tool. Cement top is at the base of the surface string. ----Cement plug 6825'-6875' w/30 sx cement. 9-5-65 -Perfs @ 6877'-82', squeezed. w/75 sx cement. 9-5-65 --Perfs @ 6900'-05', squeezed. ---Perfs @ 6904'-10', squeezed w/60 sx cement. 3-24-64 ----Baker bridge plug w/5' Cal-seal plug. 3-10-64 -----rerfs @ 6924'-32', Open. -----TD 6970' **Chemical Services** Acidizing Cementing Special Tools JUST MINUTES AWAY FROM YOUR WELL! HALLIBURTON **Dump Bailer Casing Equipment** Formation Testing Fracturing OIL WELL CEMENTING COMPANY

PLAN-0-

Company Petroleum Corporation of Texas Well No. 2-K Lease Dexter Federal Unit letter K, Sec. 22, T-17S, R-30E 2310' FSL, 2310' FWL, Eddy County, NM Well No. 2-K 8-5/8" Set @ 1301' w/275 sx cement - circulated to surface. -----No intermediate srting of casing. ----Hole size 7-7/8". --4-1/2" Set @ 6964' w/825 sx cement using Halliburton D.V. Tool. Cement top is at the base of the surface string. ------Cement plug 6825'-6875' w/30 sx cement. 9-5-65 ---Perfs @ 6877'-82', squeezed. w/75 sx cement. 9-5-65 -----Perfs @ 6900'-05', squeezed. -----Perfs @ 6904'-10', squeezed w/60 sx cement. 3-24-64 -----Baker bridge plug w/5' Cal-seal plug. 3-10-64

Cementing

Special Tools

----TD 6970'

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-----Perfs @ 6924'-32', Open.

Acidizing

Chemical Services

284 SERVICE CENTERS . . .

Formation Testing

Fracturing

Dump Bailer

Casing Equipment

JUST MINUTES AWAY FROM YOUR WELL!

PLAN-O-GRAM

D Company Petroleum Corporation of Texas Well No. 2-K Lease Dexter Federal Unit letter K, Sec. 22, T-17S, R-30E 2310' FSL, 2310' FWL, Eddy County, NM -8-5/8" Set @ 1301' w/275 sx cement - circulated to surface. -- No intermediate srting of casing. ---Hole size 7-7/8". -4-1/2" Set @ 6964' w/825 sx cement using Halliburton D.V. Tool. Cement top is at the base of the surface string. ----Cement plug 6825'-6875' w/30 sx cement. 9-5-65 ------Perfs @ 6877'-82', squeezed. w/75 sx cement. 9-5-65 ----Perfs @ 6900'-05', squeezed. ----Perfs @ 6904'-10', squeezed w/60 sx cement. 3-24-64 -----Baker bridge plug w/5' Cal-seal plug. 3-10-64 ------Perfs @ 6924'-32', Open. -----TD 6970' **Chemical Services** Acidizing Special Tools JUST MINUTES AWAY FROM YOUR WELL! Cementing LANA SERVICE CENTERS . . . Casing Equipment HALLIBURTON Dump Bailer Fracturing Formation Testing

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PLAN-O-GRAM

D... Company Petroleum Corporation of Texas Well No. 2-K
Unit letter K, Sec. 22, T-17S, R-30E
2310' FSL, 2310' FWL, Eddy County, NM Well No. 2-K 8-5/8" Set @ 1301' w/275 sx cement - circulated to surface. -No intermediate srting of casing. -Hole size 7-7/8". -4-1/2" Set @ 6964' w/825 sx cement using Halliburton D.V. Tool. Cement top is at the base of the surface string. -----Cement plug 6825'-6875' w/30 sx cement. 9-5-65 -Perfs @ 6877'-82', squeezed. w/75 sx cement. 9-5-65 -Perfs @ 6900'-05', squeezed. --Perfs @ 6904'-10', squeezed w/60 sx cement. 3-24-64 ----Baker bridge plug w/5' Cal-seal plug. 3-10-64 ----Perfs @ 6924'-32', Open.

Cementing

Special Tools

----TD 6970'

Acidizing

Chemical Services

JUST MINUTES AWAY FROM YOUR WELL!

284 SERVICE CENTERS . .

Formation Testing

Fracturing

HALLIDURTON OIL WELL CEMENTING COMPANY

Dump Bailer

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D. Company Petroleum Corporation of Texas Well No. 2-K Leose Dexter Federal Unit letter K, Sec. 22, T-17S, R-30E 2310' FSL, 2310' FWL, Eddy County, NM -8-5/8" Set @ 1301' w/275 sx cement - circulated to surface. -- No intermediate srting of casing. ----Hole size 7-7/8". -4-1/2" Set @ 6964' w/825 sx cement using Halliburton D.V. Tool. Cement top is at the base of the surface string. ----Cement plug 6825'-6875' w/30 sx cement. 9-5-65 -Perfs @ 6877'-82', squeezed. w/75 sx cement. 9-5-65 -Perfs @ 6900'-05', squeezed. -Perfs @ 6904'-10', squeezed w/60 sx cement. 3-24-64 ----Baker bridge plug w/5' Cal-seal plug. 3-10-64 ----Perfs @ 6924'-32', Open. ----TD 6970' Acidizing **Chemical Services** Special Tools

Cementing

284 SERVICE CENTERS . . .

Formation Testing

Frocturing



JUST MINUTES AWAY FROM YOUR WELL!

Dump Bailer

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PLAN-O-GRAM

C B Company Petroleum Corporation of Texas Well No. 1-J Leose Graridge Federal Unit Letter J, Sec 22, T-17S, R-30E Eddy County, NM ---8-5/8" Set @ 1415' w/250 sx cement -4-1/2" Set @ 6997' w/900 sx cement, w/ D.V. too1 @ 6642'. Cement top @ 1460'. --2-3/8" tubing set @ 6962'. -----Packer set @ 6868'. --Perfs @ 6898'-32'. 4-9-64 ----Perfs @ 6964'-72'. Abo Reef. Squeezed w/ 40 sx. 4-8-64. -----PBTD 6983'

Cementing

Special Tools

284 SERVICE CENTERS

Formation Testing

Fracturing



Acidizing

Chemical Services

JUST MINUTES AWAY FROM YOUR WELL!

Dump Bailer

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C D Company Petroleum Corporation of Texas E 1-J Lense Graridge Federal Well No Unit Letter J, Sec 22, T-17S, R-30E Eddy County, NM ----8-5/8" Set @ 1415' w/250 sx cement -4-1/2" Set @ 6997' w/900 sx cement, w/ D.V. tool @ 6642'. Cement top @ 1460'. --2-3/8" tubing set @ 6962'. ----Packer set @ 6868'. -Perfs @ 6898'-32'. 4-9-64 ---Perfs @ 6964'-72'. Abo Reef. Squeezed w/ 40 sx. 4-8-64. -----PBTD 6983' **Chemical Services** Acidizing Special Tools

Cementing

Fracturing

JUST MINUTES AWAY FROM YOUR WELL!

Dump Bailer

Casing Equipment

Formation Testing

OIL WELL CEMENTING COMPANY

Well PLA

PLAN-O-GRAM

Company Petroleum Corporation of Texas

E F G H

Well No. 1-J Lease Graridge Federal
Unit Letter J, Sec 22, T-17S, R-30E
Eddy County, NM

M N O P

-----8-5/8" Set @ 1415' w/250 sx cement

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----Perfs @ 6964'-72'. Abo Reef. Squeezed w/ 40 sx. 4-8-64.

-----PBTD 6983'

Cementing

Special Tools

284 SERVICE CENTERS . . .

Formation Testing

Fracturing



Acidizing

Chemical Services

JUST MINUTES AWAY FROM YOUR WELL!

Dump Bailer

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PLAN-O-GRAM

D Company Petroleum Corporation of Texas E Well No. 1-J Leose Graridge Federal Unit Letter J, Sec 22, T-17S, R-30E Eddy County, NM ---8-5/8" Set @ 1415' w/250 sx cement -4-1/2" Set @ 6997' w/900 sx cement, w/ D.V. tool @ 6642'. Cement top @ 1460'. -2-3/8" tubing set @ 6962'. ----Packer set @ 6868!. -Perfs @ 6898'-32'. 4-9-64 --Perfs @ 6964'-72'. Abo Reef. Squeezed w/ 40 sx. 4-8-64. ~----PBTD 6983'

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Special Tools

284 SERVICE CENTERS

Formation Testing

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HALLIBURTON OIL WELL CEMENTING COMPANY

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Chemical Services

JUST MINUTES AWAY FROM YOUR WELL!

Dump Bailer

Well

PLAN-O-GRAM

Company Petroleum Corporation of Texas

E F G H

Well No. 1-J Leose Graridge Federal
Unit Letter J, Sec 22, T-17S, R-30E
Eddy County, NM

M N O P

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---Perfs @ 6898'-32'. 4-9-64

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Cementing

Special Tools

284 SERVICE CENTERS .

Formation Testing

Fracturing

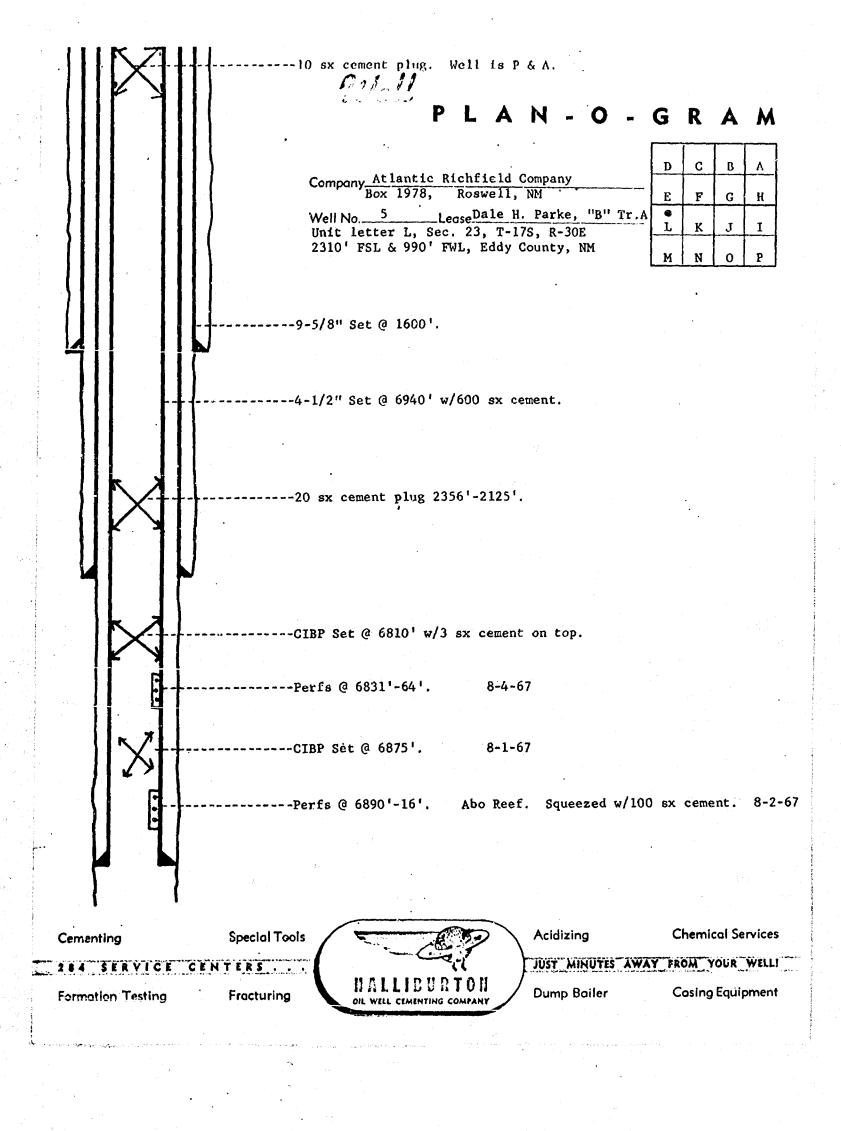


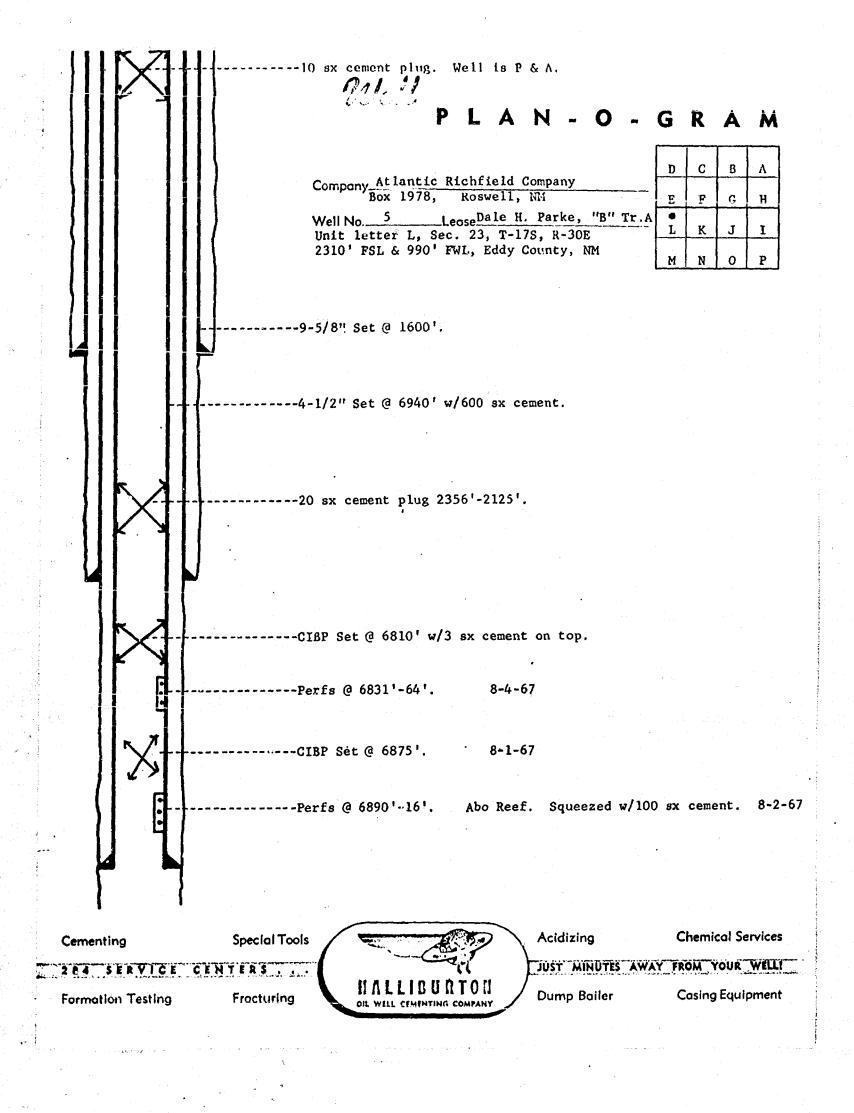
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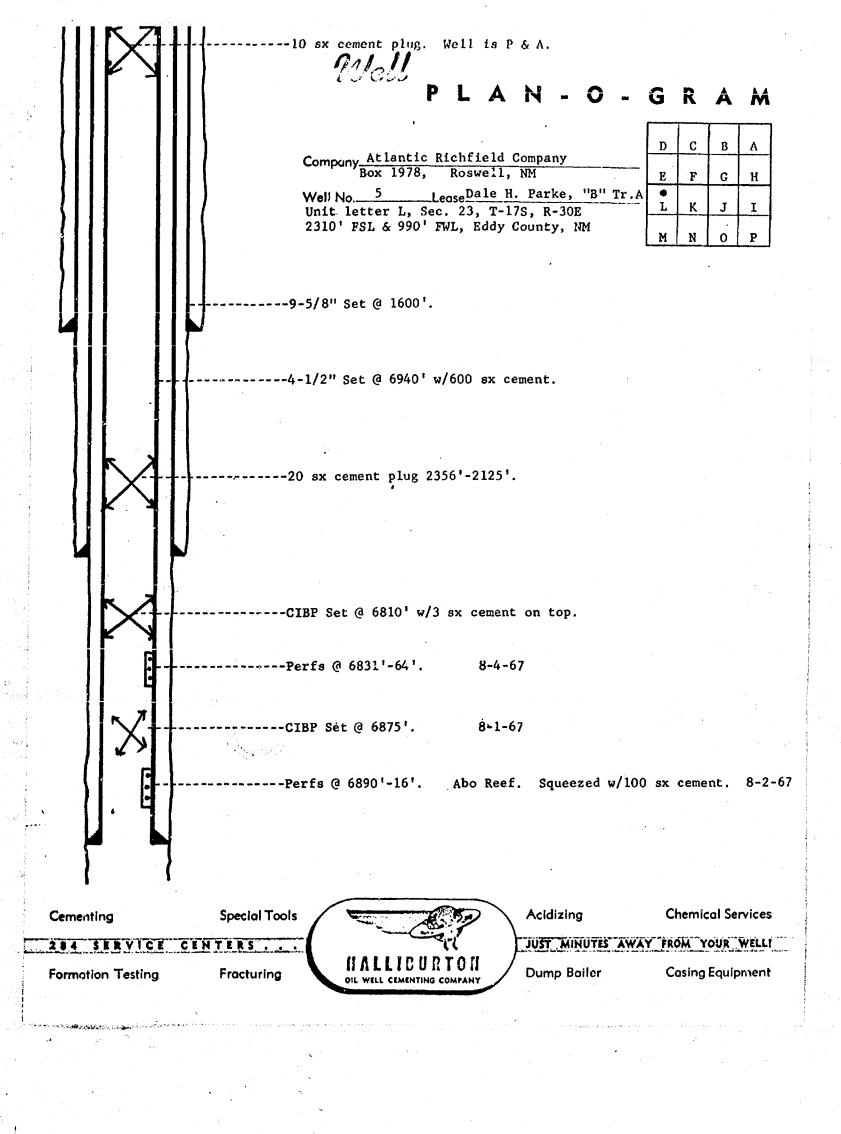
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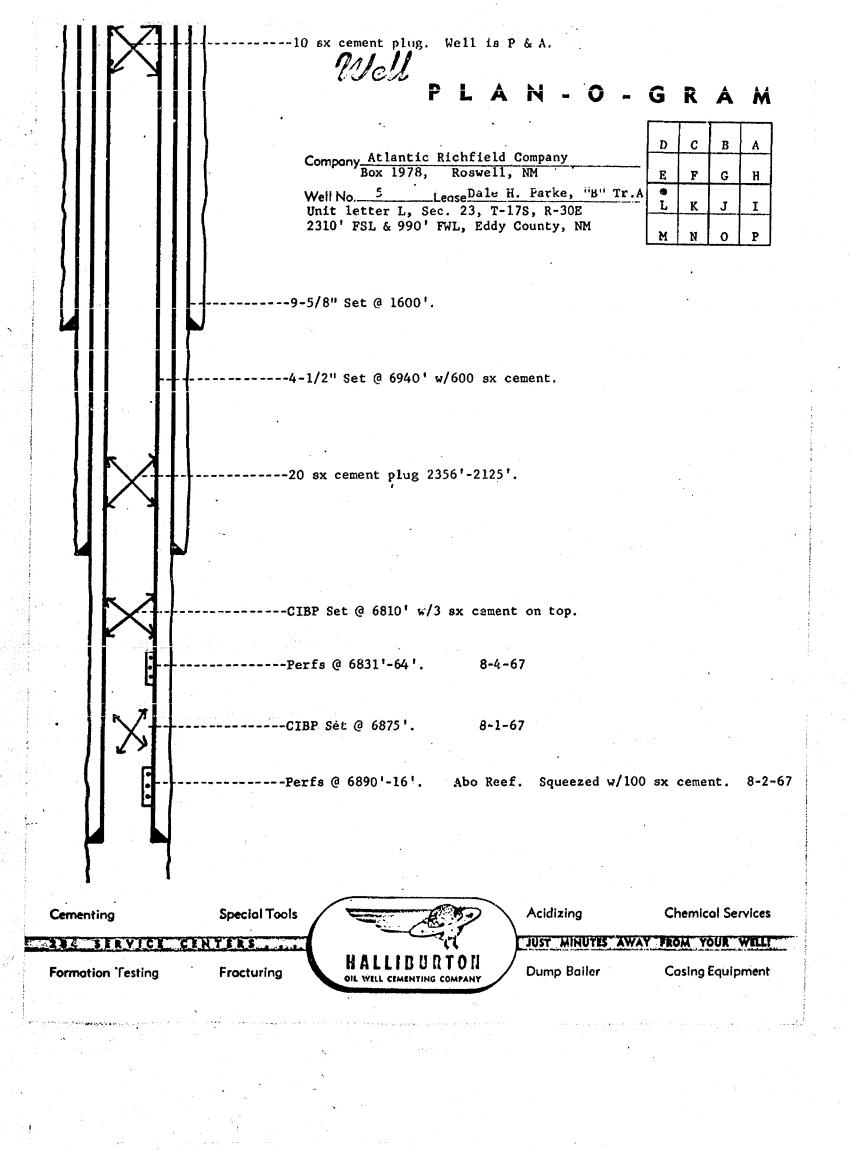
JUST MINUTES AWAY FROM YOUR WELL!

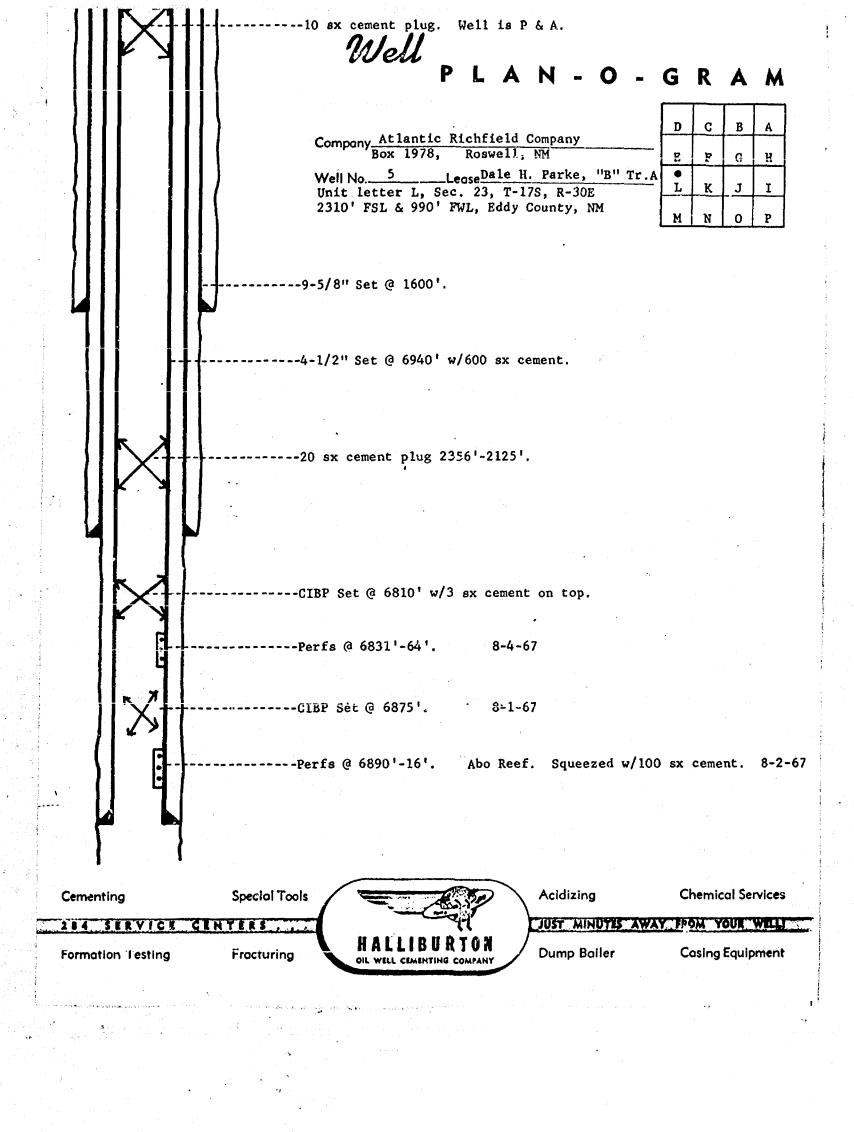
Dump Bailer

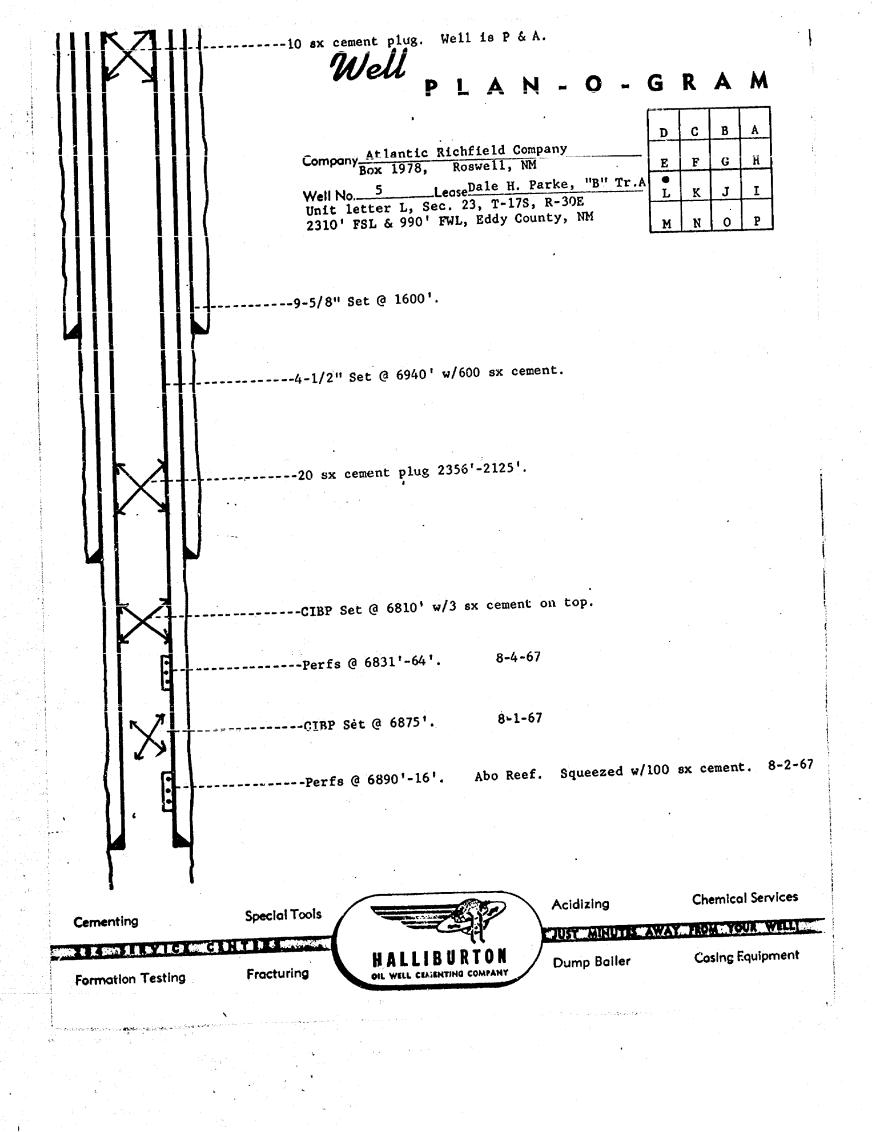


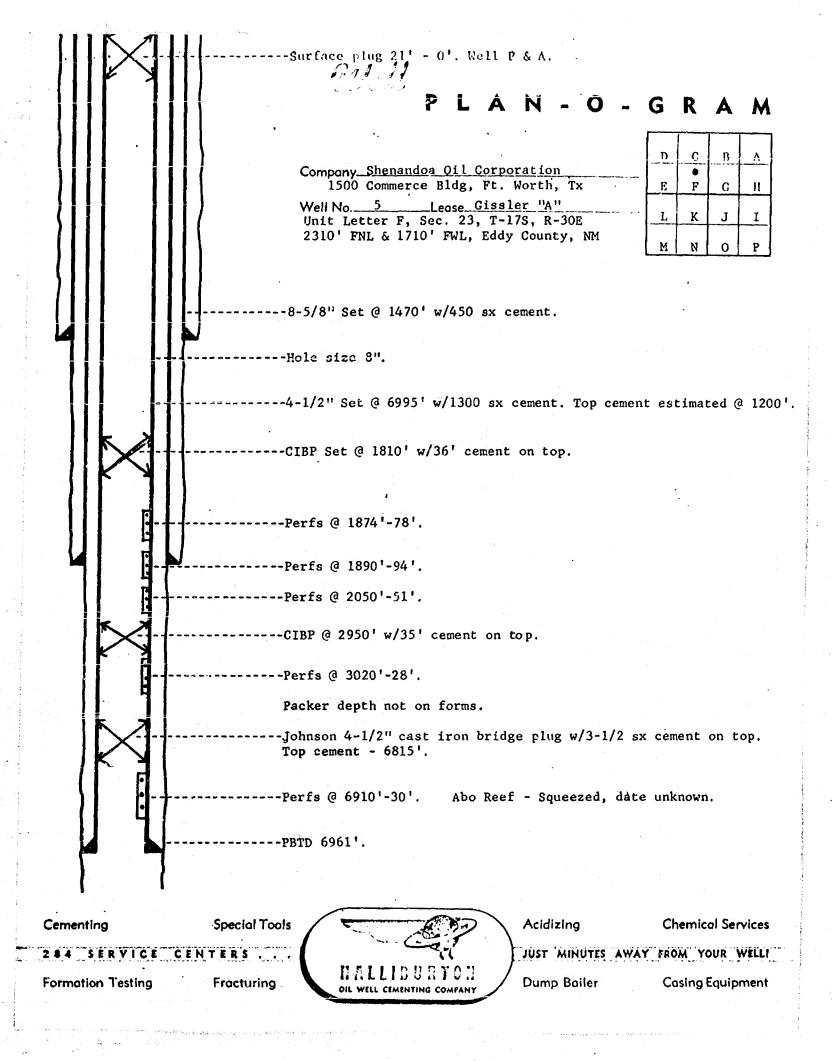


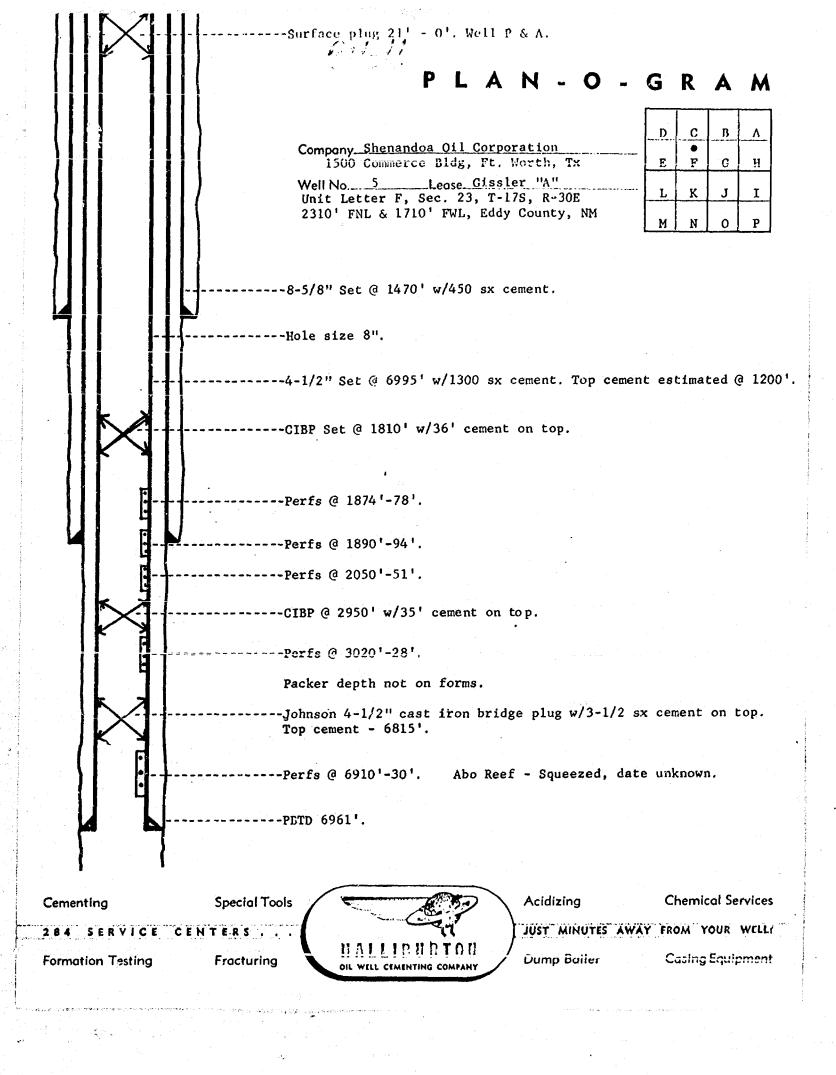




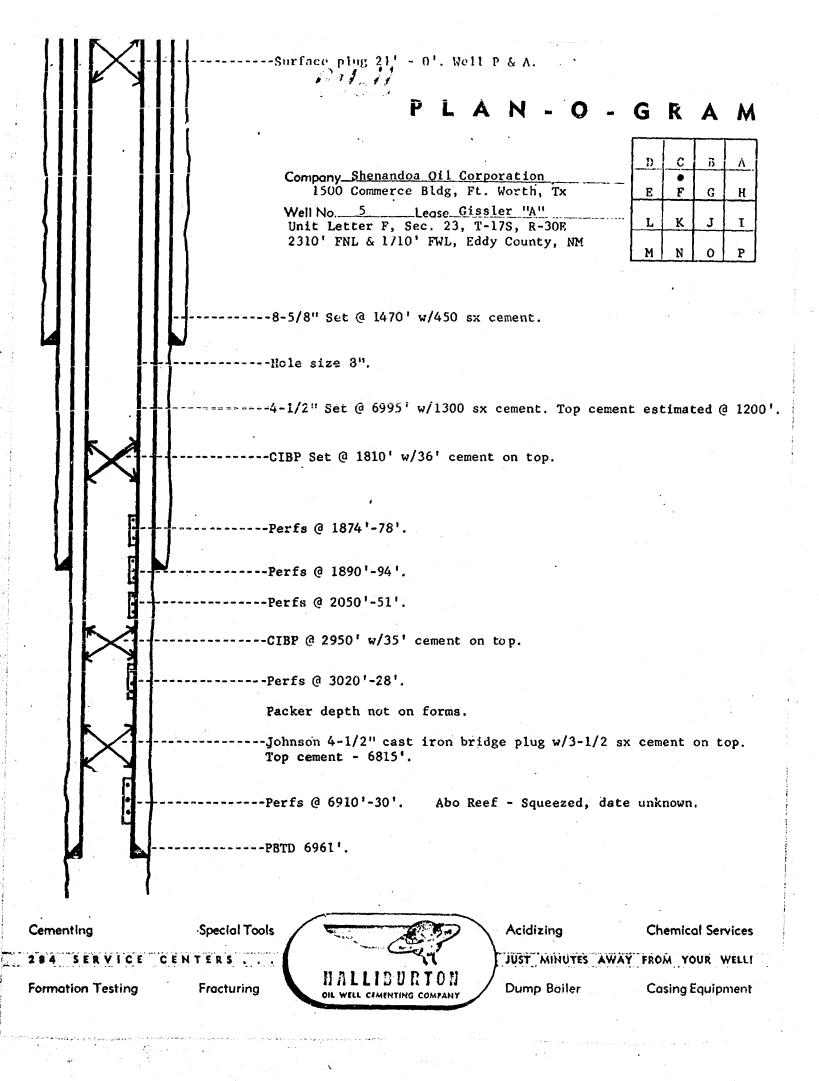


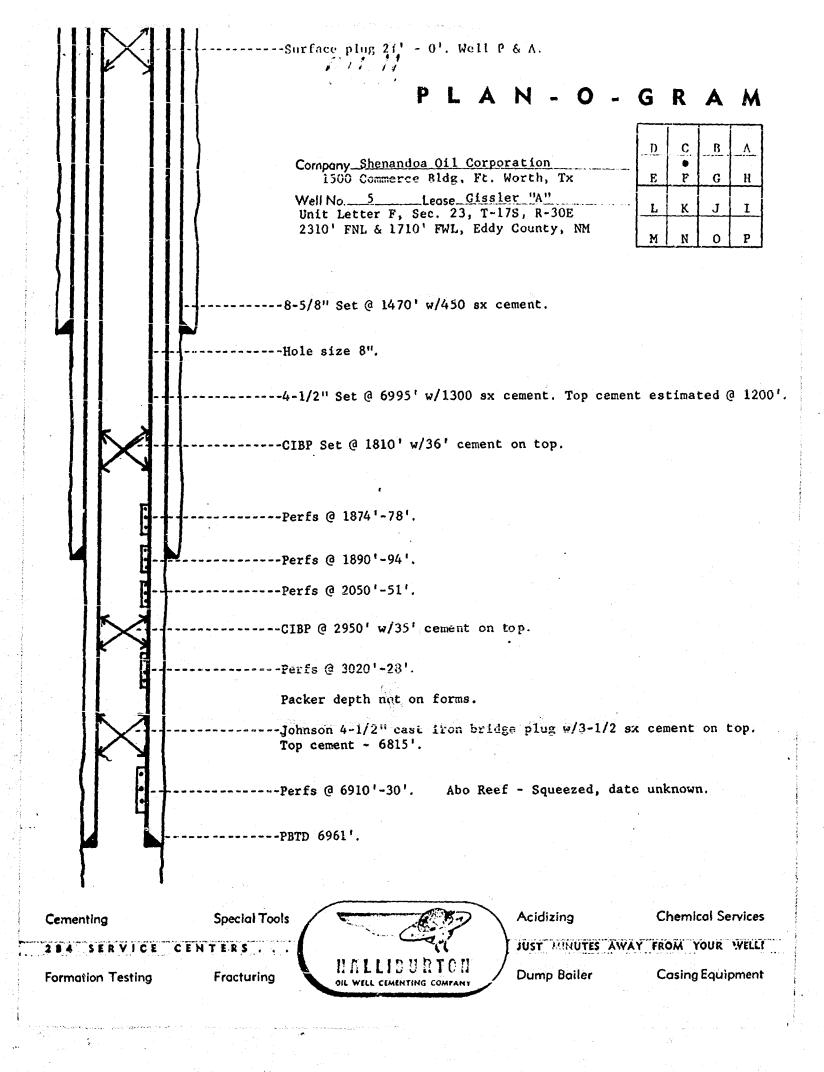






--Surface plug 21' - 0'. Well P & Λ. N-O-GRAM Company Shenandoa Oil Corporation 1500 Commerce Bldg, Ft. Worth, Tx E Well No. 5 Leose Gissler "A"
Unit Letter F, Sec. 23, T-17S, R-30E Well No. ___5 2310' FNL & 1710' FWL, Eddy County, NM -----8-5/8" Set @ 1470' w/450 sx cement. ------Hole size 8". ---4-1/2" Set @ 6995' w/1300 sx cement. Top cement estimated @ 1200'. --- CIBP Set @ 1810' w/36' cement on top. ----Perfs @ 1874'-78', ---Perfs @ 1890'-94'. ---Perfs @ 2050'-51'. --CIBP @ 2950' w/35' cement on top. ----Perfs @ 3020'-28'. Packer depth not on forms. -Johnson 4-1/2" cast iron bridge plug w/3-1/2 sx cement on top. Top cement - 6815'. --Perfs @ 6910'-30'. Abo Reef - Squeezed, date unknown. ----PBTD 6961'. Cementing Special Tools Acidizing **Chemical Services** 284 SERVICE CENTERS JUST MINUTES AWAY FROM YOUR WELL! HALLIBURTOR Formation Testing Fracturing Dump Bailer Casing Equipment OIL WELL CEMENTING COMPANY





Part II

PLAN-O-GRAM

Company General American Oil Company of Texas

Box 416 Loco Hills, NM

Well No. 2 Lease Parke "E" Federal
Unit Letter H, Sec. 22, T-17S, R-30E
2310' FNL & 310' FEL, Eddy County, NM

M N O P

-8-5/8" Set @ 1450' w/342 sx. cement. 6-29-62

----Hole size 7-7/8"

--5-1/2" Set @ 6941' w/492 sx. cement. 7-15-62

---Tbg size set @ 6878'

----7-17-62 Request for allowable, list packer in hole, no depth listed.

-Perfs @ 6905'-17', Abo Reef. 7-16-62

----PBTD 6940'

Cementing

Special Tools

284 SERVICE CENTERS. . .

Formation Testing

Fracturing



Acidizing

Chemical Services

JUST MINUTES AWAY FROM YOUR WELL!

Dump Bailer

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PLAN-O-GRAM

Company General American Oil Company of Texas Box 416 Loco Hills, NM.

Well No. 2 Leose Parke "E" Federal
Unit Letter H, Sec. 22, T-17S, R-30E
2310' FNL & 310' FEL, Eddy County, NM

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set @ 68781

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Cementing.

Special Tools

284 SERVICE CENTERS

Formation Testing

Fracturing



Acidizing

Chemical Services

JUST MINUTES AWAY FROM YOUR WELL!

Dump Bailer

COOL PLA CompanyCeneral American Oil Company of Texas

Box 416 Loco Hills, NM Well No. 2 Lease Parke "E" Federal Unit Letter II, Sec. 22, T-17S, R-30E 2310' FNL & 310' FEL, Eddy County, NM -8-5/8" Set @ 1450' w/342 sx. cement. 6-29-62 --Hole size 7-7/8" -1/2" Set @ 6941' w/492 sx. cement. 7-15-62 ·Tbg size set @ 6878'

*7-17-62 Request for allowable, list packer in hole, no depth listed. erfs @ 6905'-17', Abo Reef. 7-16-62

PBTD 6940

Cementing

Special Tools

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Formation Testing

Fracturing



Acidizing

Chemical Services

JUST MINUTES AWAY FROM YOUR WELL!

Cump Bailer

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PLAN-O-GRAM

ComponyGeneral American Oil Company of Texas
Box 416 Loco Hills, NM

Well No. 2 Leose Parke "E" Federal Unit Letter H, Sec. 22, T-17S, R-30E 2310' FNL & 310' FEL, Eddy County, NM

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Cementing

Special Tools

284 SERVICE CENTERS ...

Formation Testing

Fracturing



Acidizing

Chemical Services

JUST MINUTES AWAY FROM YOUR WELL!

Dump Bailer

PAL 11

PLAN-O-GRAM

Company General American Oil Company of Texas

Box 416 Loco Hills, NM. E F

Well No. 2 Leose Parke "E" Federal
Unit Letter H, Sec. 22, T-17S, R-30E

L K

E F G H

----8-5/8" Set @ 1450' w/342 sx. cement. 6-29-62

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Cementing.

Special Tools

284 SERVICE CENTERS . . .

Formation Testing

Fracturing



Acidizing

Chemical Services

JUST MINUTES AWAY FROM YOUR WELL!

Dump Bailer

PLAN-O-GRAM

Company General American Oil Company of Tx

Box 416 Loco Hills, NM

Well No. 11 Lease Maddren "B"

Unit Letter , Sec. 23, T-17S, R-30E

2310' FNL & 990' FWL, Eddy County, NM

--5-1/2" Set @ 6940' w/392 sx cement.

-----Data we have does not show tubing or packer depth.

--Perfs @ 6862'-74', Abo Reef, 12-4-62

6-24-62

Cementing

Special Tools



Acidizing

Chemical Services

284 SERVICE CENTERS . . .

Formation Testing

Fracturing

Dump Bailer

Casing Equipment

JUST MINUTES AWAY FROM YOUR WELL!

PLAN-O-GRAM

Company General American Oil Company of Tx Box 416 Loco Hills, NM

Well No. 11 Lease Maddren "B"
Unit Letter , Sec. 23, T-17S, R-30E
2310' FNL & 990' FWL, Eddy County, NM Well No. 11



--8-5/8" Set @ 1544' w/551 sx. cement to surface. 5-30-62

5-1/2" Set @ 6940' w/392 sx cement.

-----Data we have does not show tubing or packer depth.

Perfs @ 6862'-74', Abo Reef, 12-4-62

----Perfs @ 6902'-21', Abo Reef, 6-24-62

Cementing

Special Tools

284 SERVICE CENTERS . . .

Formation Testing

Fracturing



Acidizing

Chemical Services

JUST MINUTES AWAY FROM YOUR WELLI

Dump Bailer

Company General American Oil Company of Tx Box 416 Loco Hills, NM Well No. 11 Lease Maddren "B"
Unit Letter , Sec. 23, T-17S, R-30E
2310' FNL & 990' FWL, Eddy County, NM Well No. 11 ---8-5/8" Set @ 1544' w/551 sx. cement to surface. 5-30-62 --5-1/2" Set @ 6940' w/392 sx cement. ----Data we have does not show tubing or packer depth. -Perfs @ 6862'-74', Abo Reef, 12-4-62 --Perfs @ 6902'-21', Abo Reef, 6-24-62 Cementing . Special Tools Acidizing

Formation Testing

Fracturing

Chemical Services

JUST MINUTES AWAY FROM YOUR WELL!

Dump Bailer

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PLAN-O-GRAM

-----Data we have does not show tubing or packer depth.

-----Perfs @ 6862'-74', Abo Reef, 12-4-62

-----Perfs @ 6902'-21', Abo Reef, 6-24-62

Cementing

Special Tools

284 SERVICE CENTERS . . .

Formation Testing

Fracturing



Acidizing

Chemical Services

JUST MINUTES AWAY FROM YOUR WELLT

Dump Builer

Company General American Oil Company of Tx Box 416 Loco Hills, NM Well No. 11 Leose Maddren "B"
Unit Letter , Sec. 23, T-178, R-30E
2310' FNL & 990' FWL, Eddy County, NM Well No. 11 --8-5/8" Set @ 1544' w/551 sx. cement to surface. 5-30-62 --5-1/2" Set @ 6940' w/392 sx cement. -----Data we have does not show tubing or packer depth. 12-4-62 ----Perfs @ 6862'-74', Abo Reef, ----Perfs @ 6902'-21', Abo Reef, 6-24-62 Acidizing **Chemical Services Special Tools**

Cementing

284 SERVICE CENTERS . . .

Formation Testing

Fracturing



JUST MINUTES AWAY FROM YOUR WELL!

Dump Bailer

To Peter Carp of Texas attn: Clerk Semo Hom application for althimstrative approval for self water disposal into the for administrative aspersal because of the proximity of We will set this for hearing on the next available dockets (July 20) unless we hear from you contrary to that date



DIRECTOR JOE D. RAMEY

OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO P. O. BOX 2088 - SANTA FE 87501

LAND COMMISSIONER PHIL R. LUCERO October 13, 1977



Petroleum Corporation of Texas P. O. Box 911 Breckenridge, Texas 76024

Attention: Mr. Arthur Boice

Re: NMOCC Case No. (5996) (Order No. 5513) Jackson-Abo Pool, Eddy County, N.M.

Your September 30th, 1977, application for permission to dispose Your September Juin, 1977, application for permission to dispose of produced water from the Grayburg-Jackson Pool into the Dexter of produced water from the Grayburg-Jackson 22 Tormobin 17 Gentlemen: or produced water from the Grayburg-Jackson root the bexter Rederal Well No. 3, located in Unit I of Section 22, Township 17 South, Range 30 East, NMPM, Eddy County, New Mexico, has been duly filed in accordance with paragraphs 4 and 5 of New Mexico Oil Conservation Commission Order No. 5513.

Under the provisions of paragraph 6, New Mexico Oil Conservation under the provisions of paragraph o, New Mexico of construction of the Original Commission Order No. R-5513, you are hereby authorized to utilize of the Mexico of the Original Contract No. 2 to 4400000 of the Original Contract No. 2 to 4400 said Well No. 3 to dispose of water produced from the Queen, Grayburg and San Andres formations from the following wells:

Dexter rederal "15" No. 1 located in Unit J of Section 15, Dexter Federal "15" No. 1 located in Unit J of Section 15,

Flint Federal "B" Well No. 2, located in Unit E of Section 20;

Jenkins Federal "B" Well No. 2, located in Unit D of Section 20;

Jenkins Federal "B" Well No. 3, located in Unit D of Section 20;

Jenkins Federal "B" Well No. 4, located in Unit F of Section 20;

Jenkins Federal "B" Well No. 4, located in Unit D of Section 20;

Jenkins Federal "B" Well No. 5, located in Unit D of Section 20;

Jenkins Federal "B" Well No. 6, located in Unit C of Section 20;

Jenkins Federal "B" Well No. 6, located in Unit C of Section 20; Jenkins Federal "B" Well No. 5, located in Unit D of Section 20; Jenkins Federal "B" Well No. 6, located in Unit C of Section 20; all in Township 17 South, Range 30 East, NMPM, Eddy County.

JOE D. RAMEY Secretary-Director

cc: Oil Conservation Commission Drawer DD Artesia, New Mexico

PETROLEUM CORPORATION OF TEXAS

P. O. BOX 911

BRECKENRIDGE, TEXAS 76024

September 30, 1977

New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, NM 87501

Attention: Mr. Carl Ulvag

Re: Dexter Federal No. 3-SWD

Unit Letter I, Twp. 17S,

Rng. 30E / /dy Co.

Gentlemen:

When we applied for water disposal permit on the above lease, we asked for permission to dispose of the produced water from only the Dexter Federal Lease No. 1-J, Unit Letter J, Sec. 22, Twp. 17, Rng. 30. We have recently retested the water on the above lease, and find it fairly compatible with produced water from the following leases, located near this disposal well. We are requesting permission to dispose of the following produced water in this well.

Well Name	Well No	Unit	Sec	Twp	Rng	Bbls H ₂ O Month	Total Solids (Mg/l)	Lbs Solids Month	
Dexter "J" Fed	1-J	J	22	17	30	3621	14796	18898	
Dexter "15" Fed	1	J	15	17	30	810	20100	5743	
Flint "B" Fed	2	M	14	17	30	4500	66198	105076	
Jenkins 'B" Fed	1	E	20	17	30	19	20600	138	
Jenkins "B" Fed	2	D	20	17	30	9	20600	65	
Jenkins "B" Fed	3	D	20	17	30	35	20600	254	
Jenkins "B" Fed	4	F	20	17	30	45	20600	327	
Jenkins "B" Fed	5	, D	20	17	30	1500	20600	10900	
Jenkins "B" Fed	6	C	20	17	30	1200	20600	8719	
Totals						11739		150120	

The water analysis that we sent with the original application are the latest water analysis that we have.

All wells are in the Grayburg Jackson (Queen, San Andres) Field, except the Dexter "J" Federal which is in the Jackson (Abo) Field.

Yours truly,

Arthur Boice

Division Superintendent

PETCO AHB/gw

817-559-3355

liste mercian und va mit PRODUCTION DELARCHENT Cochran Chemical Company 1415 6 SCALE REMOVER & INHIBITO 15 DE EMULSIEIERS & WATERFLOOD CHEMICALS & PARATERI SOLVE P. O. DRAWER 1341 Pripri 321-5052 ABB . CDS $J \dot{\Lambda} J$ WEWORA, OKLAHOMA BBP nil.D 74884 g. o. Box 5421 ASM JJMMIDLAND, TEXAS 79701 CMS BGII August 8, 1977 682.7860 JJ VKW WC FILE: Mr. Lowell Moore MBT 330 PETROLEUM CORPORATION OF TEXAS

Loco Hills, New Mexico

INTRODUCTION:

Dexter "J" Lease

A sample of water has been analyzed in our laboratory and we are pleased to submit the Probable Mineral Composition of this water with our General Evaluation as to its problems, with our recommendations and suggestions for treatment of this well or wells as follows:

WATER ANALYSIS:

Total Solids	6.85	14,796	Mg/L
Iron		. 2	Mg/L
Calcium Bicarbonate	(CaHC03)	86	Mg/L
Calcium Sulfate	(CaS04)	110	Ü
Calcium Chloride	(CaCl ₂)	4,700	39
Magnesium Chloride	(MgCl ₂)	3,800	- 11
Sodium Chloride	(NaCl)	6,100	11

GENERAL EVALUATION:

RECOMMENDED TREATMENT:

William B. Hughes, Ph.D. Technical Director

Cochran Chemical Company, Inc. 2015



P. O. DRAWER 1341

PHONE 257-2825

CC, INC. P. O. Box 5421 SHOUAND, TEXAS 79701 32-2860

WEWORA, ORLAHOMA 74384

May 24, 1977

7.09 # pm 330

PETROLEUM CORPORATION OF TEXAS Dexter "15" Lease Loco Hills, New Mexico

INTRODUCTION:

A sample of water has been analyzed in our laboratory and we are pleased to submit a water analysis which includes total dissolved solids, pH, and the concentrations of chlorides and sulfates.

WATER ANALYSIS:

Total Chlorides	10,160	Mg/L
рн7.01		
Sulfate	1,100	Mg/L
Total Solids	20,100	11

Dr. William B. Hughes Chemist



Cochran Chemical Company, Inc.

DECEMBERRES O WATERLINGO CHEMICALS O PARADIN SOLVERIS O SCALE REMOVER & Infinitions

P. O. DRAWER 1341

Prioric 257-2825

i, INC. 3. Box 5421 And, Texas 79701 7860 Wewora, Qriahoba 74884

May 23, 1977

PETROLEUM CORPORATION OF TEXAS Flint "B" Federal Lease Loco Hills, New Mexico

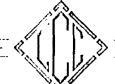
INTRODUCTION:

A sample of water has been analyzed in our laboratory and we are pleased to submit a water analysis which includes total dissolved solids, pH, and the concentrations of chlorides and sulfates.

WATER ANALYSIS:

Total Solids6.	50	66,198	Mg/L
Iron		.5	Mg/L
Calcium Bicarbonate		86	Mq/L
Calcium Sulfate	(CaSO ₄)	1,100	. 11
Calcium Chloride	(CaCL ₂)	9,302	10
Magnesium Chloride	(MgCL ₂)	7,110	11
Sodium Chloride	(NaC1)	48 600	n

Dr. William B. Hughes Chemist 03/10



Cochran Chemical Company, Inc.

DE-EMULSIFIERS • WATERFLOOD CHEMICALS • PARAFFIN SOLVENTS • SCALE REMOVER & INHIBITORS

P. O. DRAWER 1341

PHONE 257-2825

CCC, INC.
P. O. Box 5421
MIDLAND, TEXAS 79701
682-7860

Wewoka, Oklahoma 74884

May 24, 1977

PETROLEUM CORPORATION OF TEXAS Jenkins "B" Lease Loco Hills, New Mexico

INTRODUCTION:

A sample of water has been analyzed in our laboratory and we are pleased to submit a water analysis which includes total dissolved solids, pH, and the concentrations of Chlorides and Sulfates.

WATER ANALYSIS:

Total Solids	20,600	Mg/L	•
Total Chlorides	9,620	ij.	
рн7.15			
Sulfate	1,010	Mq/L	

Dr. William B. Hughes Chemist

PETROLEUM CORPORATION OF TEXAS

BRECKENRIDGE, TEXAS 76024

June 27, 1977

Anadarko Production Company 100 Park Avenue Building Suite 300 Oklahoma City, OK 73102

> Dexter Federal Well No. 3 Jackson Abo Field Eddie County, New Mexico

Gentlemen:

Petroleum Corporation of Texas has made application to the New Mexico Conservation Commission to convert the Dexter Federal No. 3 (Unit letter I; Section 22; Township 178; Range 30E; 2310' from the South line and 330' from the East line), to a salt water disposal well. The fluid 6868'-77' and 6852'-64'.

Abo Reef zone at

If you have no objections to this conversion, please sign and return three copies of this letter in the enclosed envelope at your earliest convenience.

Yours very truly,

Cleve Sims

Cleve Sims Engineering Assistant

CMS/gw

I have no object.			
I have no objection to the gran of a permit to inject water into above well at 0868'-77' and 605	ting		
above well at 6868 777 and 6852	the	•	
By: 1/1/0 i	,		
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Date: 7/1/19		NSERVATION COM	MAICOL
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This replaces our 1	CHSENIC	5996	
our letter of June	17. 1977	by	
This replaces our letter of June	THearing [Dale 7-20, 22	
	n and a state of the state of	The second second second	

EICO

617-559-3355

. 1.

PETROLFUM CORPORATION OF TEXASODUCTION DEPARTMENT

P. O. BOX 911

BRECKENRIDGE, TEXAS 7 024

Date Receiver JUL 14 1977

June 27, 1977

Franklin, Aston & Fair P. O. Box 1090 Roswell, NM 88201

	PUCTION	DEPAR	THENT
FFD BBP BG:I SilL MBT VKW CMS VC	DATE CHE)	The state of the s	DATE
			177

Dexter Federal Well No. 3 Jackson Abo Field Eddie County, New Mexico

Gentlemen:

Petroleum Corporation of Texas has made application to the New Mexico Conservation Commission to convert the Dexter Federal Well No. 3, (Unit letter I; Section 22; Township 17S; Range 30E; 2310' from the South line and 330' from the East line), to a salt water disposal well. The fluid will be injected into the Abo Reef zone at 6868'-77' and 6852'-64'.

If you have no objections to this conversion, please sign and return three copies of this letter in the enclosed envelope at your earliest convenience.

Yours very truly,

Cleve Sims Engineering Assistant

CMS/gw

I have no objection to the granting of a permit to inject water into the above well at 6868'-77' and 6852'-64'.

This replaces our letter of June 17,

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION

Appn. EXHIBIT NO. 2(C)

CASE NO. 5996

1930 bmitted by

Hearing Date 7-20-27



817-559-3355

PETROLEUM CORPORATION OF TEXAS

P. O. BOX 911

The principal installation and the principal installation of the principal and the p

BRECKENRIDGE, TEXAS 76024

June 27, 1977

LEUZIVET

PH 1 3 1977

Atlantic Richfield Company P. O. Box 1710 Hobbs, NM 88240

CAMPORIL, BINGROUMS AND 1

Dexter Federal Well No. 3 Jackson Abo Field Eddie County, New Mexico

Gentlemen:

Petroleum Corporation of Texas has made application to the New Mexico Conservation Commission to convert the Dexter Federal Well No. 3, (Unit letter I; Section 22, Township 178; Hange 30E; 2310' from the South line and 330' from the East line), to a salt water disposal well. The fluid will be injected into the zone (6868'-77' Abo Reef and 6852'-64').

If you have no objections to this conversion, please sign and return three copies of this letter in the enclosed envelope at your earliest convenience.

Yours very truly,

Cleve Sims Engineering Assistant

CMS/gw

I have no objection to the granting of a permit to inject water into the above well at 6868'-77' and 6852'-64'.

By: // Twee District En	gineer
Date: 7-13-79	DEFORE EXAMINER STAMETS OIL CONSERVATION COMMISSION
This replaces our letter of June 17, 197	appn EXHIBIT NO. 2(d)
	Selimitted to y
43	Heering 10, to 7-20-77

817-559-3355

PETROLEUM CORPORATION OF TEXAS

P. O. BOX 911

BRECKENRIDGE, TEXAS 76021

RAL AMERI RECEIVED June 27, 1977 JUN 28 1977 POD. DE

General American Oil Company Meadows Building Dallas, TX 75206

> Dexter Federal Well No. 3 Jackson Abo Field Eddie County, New Mexico

Gentlemen:

Petroleum Corporation of Texas has made application to the New Mexico Conservation Commission to convert the Dexter Federal Well No. 3, (Unit letter I; Section 22; Township 17S; Range 30E; 2310' from the South line and 330' from the East line), to a salt water disposal well. The fluid will be injected into the Abo Reef zone at 6868'-77' and 6852'-64'.

If you have no objections to this conversion, please sign and return three copies of this letter in the enclosed envelope at your earliest convenience.

Yours very truly,

Cleve Sims Engineering Assistant

CMS/gw

I have no objection to the granting of a permit to inject water into the above well at 6868'-77 and 6852'-64'.

This replaces our letter of June 17,

EEFORE EXAMINER STAMETS OIL CONSERVATION COMMISSION

Submitted by

19/7 earing Dato 7-20-77

817-559-3355

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Dockets Nos. 25-77 and 26-77 are tentatively set for hearing on August 3 and August 17, 1977. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - JULY 20, 1977

9 A.M. - OIL CONSERVATION COMMISSION CONFERENCE ROOM, STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

The following cases will be heard before Richard L. Stamets, Examiner, or Daniel S. Butter, Alternate Examiner:

- ALLOWABLE: (1) Consideration of the allowable production of gas for August, 1977, from fifteen prorated pools in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico.
 - (2) Consideration of the allowable production of gas for August, 1977, from four provated nools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico.
- Application of Sam H. Snoddy for directional drilling and a non-standard gas proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the directional drilling of two 14,000-foot Morrow gas wells in Unit P of Section 25, Township 20 South, Range 32 East, South Salt Lake-Morrow Gas Pool, Lea County, New Mexico, one of which would be vertically drilled to a depth of 4000 feet from a surface location 660 feet from the South line and 760 feet from the Fast line of said Section 25, then directionally drilled in a North-Northwesterly direction and tottomed in the approximate center of the NE/4 of said Section 25, the N/2 of the section being dedicated to the well; the other well would be vertically drilled to a depth of 4000 feet from a surface location 760 feet from the South line and 660 feet from the Fast line of said Section 25, then directionally drilled in a West-Northwesterly direction and bottomed in the approximate center of the SW/4 of said Section 25, which would be a 160-acre non-standard unit for said well.
- CASE 5933: Application of Yates Petroleum Corporation for the amendment of Order No. R-5445, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-5445 to provide for a 200 percent risk factor for drilling the unit well rather than 20 percent. Said order pooled the N/2 of Section 19, Township 20 South, Range 25 Fast, Eddy County, New Mexico.
- CASE 5984: Application of Morris R. Antweil for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in and underlying the M/2 of Section 20, Township 18 South, Range 25 East, Eddy County, New Mexico, 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. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in drilling said well.
- CASE 5985: Application of Orla Petco, Inc., for an unorthodox gas well location, Eddy County, New Mexico.

 Applicant, in the above-styled cause, seeks approval for the unorthodox location of its B. K.

 Morrison Well No. 1 to be located 1980 feet from the South line and 660 feet from the West line
 of Section 5, Township 19 South, Range 26 East, Eddy County, New Mexico, the S/2 of said Section
 5 to be dedicated to the well.
- CASE 5986: Application of J. Gregory Merrion for downhole commingling, Rio Arriba County, New Mexico.

 Applicant, in the above-styled cause, seeks approval for the dominute commingling of Devils Fork-Gallup and Mesavords production in the wellbore of his Edna Well No. 2 located in Unit O of Section 7, Township 24 North, Range 6 West, Rio Arriba County, New Mexico.
- CASE 5937: Application of Getty Uil Company for downhole commingling, Rio Arriba County, New Mexico.

 Applicant, in the above-styled cause, seeks approval for the downhole commingling of Gallup,
 Mesaverde, and Dakota production in the wellbore of its C. W. Roberts Well No. 5, located in
 Unit F of Section 17, Township 25 North, Range 3 West, Rio Arriba County, New Mexico. Applicant
 also seeks approval for the reopening of its C. W. Roberts Wells Nos. 3 and 4 and its Lydia
 Rentz Well No. 4 to commingle Dakota, Mesaverde, and possibly Gallup production within the
 wellbores of the above-described wells located in Units O, M, and A of Sections 18, 17, and 19,
 respectively, of the same township.
- CASE 5988: Application of Continental Oil Company for three unorthodox locations, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Rule 2-A of the Blanco-Mesaverde Gas Pool Rules, to permit the drilling of its AXI Apache "N" Wells Nos. 12 and 14 in the NW/4 of Sections 11 and 1, respectively, and its AXI Apache "O" Well No. 10 in the SE/4 of Section 3, all in Township 25 North, Range 4 West, Rio Arriba County, New Mexico. Each of said wells is the first Mesaverde well on its proration unit.

- Application of Continental Oil Company for an unorthodox oil well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Marshall Well No. 8 to be located 2000 feet from the South line and 1230 feet from the West line of Section 19, Township 23 South, Range 33 East, Gruz-Delaware Fool, Lea County, New Mexico.
- CASE 5990: Application of Continental Oil Company for an unorthodox location, Rio Arriba County, New Mexico.

 Applicant, in the above-styled cause, seeks approval for the unorthodox location of its AXI Apache
 "D" Well No. 5 to be located 2310 feet from the North line and 990 feet from the West line of
 Section 19, Township 24 North, Range 4 West, Ballard-Pictured Cliffs Pool, Rio Arriba County,
 New Mexico.
- CASE 5991: Application of Continental Oil Company for capacity allowable, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for a capacity allowable for its Pearl "B" Well No. 4 located 330 feet from the South line and 2310 feet from the West line of Section 25, Township 17 South, hange 32 East, Maljamar Grayburg-San Andres Pool, Lea County, New Mexico.
- Application of Burleson & Huff for compulsory pooling and a non-standard unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests underlying the SE/4 NW/4 of Section 14, Township 24 South, Range 36 East, Jalmat Gas Pool, Lea County, New Mexico, to form a non-standard 40-acre gas proration unit to be dedicated to applicant's Cooper Well No. 1 located in Unit F of said Section 14, or in the alternative to drill another well at a standard location thereon. Also to be considered will be the cost of recompletion or of drilling and completing the unit well and the allocation of the cost thereof, as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in recompleting or drilling said well.
- CASE 5993: Application of Lively Exploration Company for an exception to the provisions of Order No. R-5459, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an exception to the provisions of Order No. R-5459 to exclude its Chacra Well No. 7Y in Unit E of Section 35, Township 30 North, Range 8 West, San Juan County, New Mexico, from the vertical limits of the Blanco-Mesaverde Pool as defined by said order.
- CASE 5994: Application of Tenneco Oil Company for an exception to the provisions of Order No. R-5459, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an exception to the provisions of Order No. R-5459 to exclude its Florance Well No. 29-A in Unit F of Section 25, and its Northeast Blanco Unit Well No. 64 in Unit P of Section 24, both in Township 30 North, Range 8 West, San Juan County, New Mexico, from the vertical limits of the Blanco-Mesaverde Pool.
- CASE 5995: Application of Tenneco Oil Company for dual completions and waterflood expansions, McKinley County, New Mexico. Applicant, in the above-styled cause, seeks authority to expand its South Hospah-Upper Sand and -Lower Sand Waterflood Projects by dually completing its Hospah Unit Wells Nos. 58 and 59, located in Units F and G, respectively, of Section 12, Township 17 North, Range 9 West, McKinley County, New Mexico, in such a manner as to permit water injection into each of said zones thru parallel strings of tubing.
- CASE 5996: Application of Petroleum Corporation of Texas for salt water disposal, Eddy County, New Mexico.

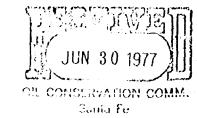
 Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Abo formation through the perforated interval from 6352 feet to 6877 feet in its Dexter Federal Well No. 3 located in Unit I of Section 22, Township 17 South, Range 30 Fast, Jackson Abo Pool, Eddy County, New Mexico.
- CASE 5997: Application of Atlantic Richfield Company for a unit agreement, Lea County, New Mexico.

 Applicant, in the above-styled cause, seeks approval for its East Drinkard Unit Area comprising 3080 acres, more or less, of Federal and fee lands in Sections 11, 12, 13, 14, 23 and 24, Township 21 South, Range 37 East, Lea County, New Mexico.
- CASE 5998: Application of Atlantic Richfield Company for a waterflood project, Lea County, New Mexico.

 Applicant, in the above-styled cause, seeks authority to institute a waterflood project on its East Drinkard Unit Area, Lea County, New Mexico, by the injection of water into the Drinkard formation through 30 wells.
- CASE 5999: Application of Atlantic Richfield Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for its Fast Blinebry Unit Area comprising 3080 acres, more or less, of Federal and fee lands in Sections 11, 12, 13, 14, 23, and 24, Township 21 South, Range 37 East, Lea County, New Mexico.
- CASE 6000: Application of Atlantic Richfield Company for a waterflood project, Lea County, New Mexico.

 Applicant, in the above-styled cause, seeks authority to institute a waterflood project on its
 East Blinebry Unit Aren, Lea County, New Mexico, by the injection of water into the Blinebry
 formation through 38 wells.

OIL CONSERVATION COMMISSION Artesia DISTRICT



OIL CONSERVATION COMMISSION

BOX 2088

SANTA FE, NEW MEXICO

RE: Proposed MC Proposed MC Proposed SWD Proposed WFX Proposed WFX Proposed FMX

Proposed WFX Proposed FMX

Gentlemen:

I have examined the application dated Sox otherway

Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Doesnot qualify for Administrative approval

Offsetting abo Croduction

Yours very truly,

W.A. Jassett

ane 5996

PETROLEUM CORPORATION OF TEXAS

P. O. BOX 911

BRECKENRIDGE, TEXAS 76024

IL CONSERVATION COMM.

REDEIVED

June 27, 1977

JUN 29 1977

D. C. D. ANTESIA, OFFICE

Oil Conservation Commission P. O. Drawer DD Artesia, NM 88210

Dexter Federal Well No. 3 Form C-108 Jackson Abo Field Eddie County, New Mexico

Gentlemen:

This application replaces the one we sent you on June 3, 1977. Instead of perforating and injecting formation water at 3990'-4030', we will use the open perfs at 6868'-6877' and at 6852'-6864'.

A plat of the area and electrical logs were sent with the previous application.

Yours very truly,

Cleve Sims

Cleve Sims Engineering Assistant

CMS/gw

Enclosures







P. O. BOX 5421 MIDLAND. TEXAS 79701

682.7860

DE EMULSIFIERS . WATEHFLOOD CHEMICALS . PARAFFIN SOLVENTS . SCALE REMOVER & INHIBITORS

P. O. DRAWER 1341

WEWOKA, OKLAHOMA 74884

May 23, 1977

PETROLEUM CORPORATION OF TEXAS Dexter Federal "J" Lease
Loco Hills, New Mexico

A sample of water has been analyzed in our laboratory A sample of water has been analyzed in our laboratory and we are pleased to submit a water analysis which includes total dissolved solids pH, and the concentrations of chlorides and sulfates INTRODUCTION: and sulfates.

WATER ANALYSIS:

ANALYSIS:		2,171 Mg/L
Total Solids7.2	20	.09 Mg/L
Iron Bicarbonate	(CaHCO3) (CaSO4) (CaCL2) (MgCL2) (NaC1)	つつつ MGノム

Dr. William B. Hughes Chemist

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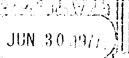
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NOTE: Should malvers from the State Engineer, the surface owner, and all operators within one-half wile of the proposed injection well.

not accompany this application, the New Mexico Oil Conservation Commission will hold the application for a period of 15 days from the date of receipt by the Commission's Santa Fe office. If at the end of the 15-day weiting period no protest has been rea find by the Santa Fe office, the application will be processed. If a protest is received, the application will be set for hearing, Fit on the district growth on the route to the

Engineering Assistant

(Title)





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2319, 821° 250, E31° 33912 G	ounty, MM	Э	N i	0	р.	

--- 8 5/8" Set @ 1437' w/500 sacks coment. Coment circulated to surface.

-No intermediate string.

-- Casing - sublag amunius will be filled with an inert fluid.

----2 3/8" EUE Salta lined tubing will be used.

----Tension type packer will be set @ 6800'.

Water injection will be in perfs @ 6852'-6864' and 6868'-6877'.

-----Perfs @ 6852' - 6864' are open.

---Perfs @ 6868' - 6877, are open.

----Perfs @ 6884' - 6099' squeezed w/50 sacks cement. (11-64)

----Perfs @ 6906'-6926' squeezed w/100 sacks coment. (11-63)

--4 1/2" casing set @ 6939'. Commented w/771 sx comment w/DV Tool @ 6670'. 6 1/4" Long string hole.
PB TD 6901'.

Comenting

Special Tools

Acidizing

Chemical Services

Foundless Frotting

Fracturing

MALAINS GION

Durin Bollo

Cooling Equipment



O'L CONSERVATION COMM.

June 27, 1977

Oil Conservation Commission P. O. Box 2088 Santa Pe, NM 87501

> Dexter Federal Well No. 3 Form C-108 Jackson Abo Field Eddie County, New Mexico

Gentlemen:

This application replaces the one we sent you on June 3, 1977. Instead of perforating and injecting formation water at 3990'-4030', we will use the open perfs at 6852'-6877' and at 6852'-6864'.

A plat of the area and electrical logs were sent with the previous application.

Yours very truly,

Cleve Sims

Cleve Sims Engineering Assistant

CMS/gw

Enclosures



Care 5776

PLICATION TO THE 14 LOFE SHAPES A VEHICLE OF SHAPES AND SHAPE SHAPES AND THE SHAP

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Federal Land - Less	ed unknown.	C- ALF () MILE OF	THIS MUSELION WELL		
Atlantic Richfield	Company P.	O. Box 1710	Hobbs, NM 8	3240	
Franklin, Aston & F	air P. O.	Box 1090	Roswell, NM 88	3201	
Coneral American Oi	1 Company	Meadows Bui	lding Dallas,	TX 75206	
Anadarko Production	Company	100 Park Ave	Building Suit	te 300 - 0kJ	ahoma City, CK 73102
HAVE COPIES OF THIS APPLICATION SEESEN TO CACH OF THE FOLLOWING!			FACE OPERATOR WITH	BECVE HASE MILE	THE SEW MEXICO STATE ENGINEER
Yes SECTION THE FOLLOWING TECHS ATTACHED THIS APPLICATION (SEE RULE 701-B)	ì	and the same of th	Yes		Ves
L berely cert	Yes	mation above is t	Yes	Butt of in board	Yes

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Engineering Assistant June 27, 1977

(Title) (Date)

NOTE: Should univers from the State Engineer, the surface owner, and all operators within one-half title of the proposed injection well, not accompany this application, the New Mexico Oil Conservation Commission will hold the application for a period of 15 days from the date of receipt by the Commission's Sanut to affice. If at the end of the 15-day waiting period no protest has been received 1, the Santa the office, the application will be precessed. If a protest is received, the application will be set for hearing, if the applicant so requests, see found 2011.

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Figure 4				
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Congrey, Potroler a Componention of Prince. Well Mo. 3	Τ,	К	J	Į0
2310' FSL, 330' FEL, Eddie County, NM	М	N	0	5

A pressure gauge will be attached to the enachus at the surface. -- 11" Surface Note.

--- 8 5/8" Set @ 1437' w/500 seeks covent. Cement circulated to surface.

---No intermediate string.

--- Casing - tubing annulus will be filled with an inert fluid.

-----2 3/8" EUE Salta lined tubing will be used.

----Tension type packer will be set @ 6800'.

Water injection will be in parfs @ 6352 -6864 and 6868 -6877.

--Perfs @ 6652' - 6864' acc open.

--Perfs @ 6668' - 6877' are open.

---Perfs @ 6884' - 6899' squeezed w/50 sacks coment.

----Perfs @ 6906'-6926' squeezed w/100 sacks cement. (11-63)

--4 1/2" casing set @ 6939'. Cemented w/771 sx coment w/DV Tool @ 6670'.
6 1/4" Long string hole.
PB TD 6901'.

Comonling

Special Tools

DALLIBURTON

Acidizing

Chemical Services

Consisting Toother

Fracturing

Dump Boller

Cusing Equipment

NEW MEXICO OIL CONSERVATION COMMISSION APPLICATION TO DISPOSE OF SALT WAYER BY INJECTION INTO A POROUS FOR Petroleum Corporation of Texas P. O. Box 911 3 Dexter Federal Jackson Abo JUN 21 19 2310 doint b OIL CONSERVATION COMM East LINE, SECTION RANGE 30E ммрм. Зanta Fe CASING AND TUBING DATA NAME OF STRING SETTING DEPTH SACKS CEMENT TOP OF CEMENT TOP DETERMINED BY SURFACE CASING 8 5/8" 14371 Circulated 1/2" 69391 DV Tool set @ 6670 3/8" 39401 Tension type BOTTOM OF FORMATION 4030' Lower San Andres NO 6884 -- 99' squeezed W/5-310'-3380' 240 -260 ANTICIPATED DAILY INJECTION VOLUME (4845.) O. Box 1090 Roswell, Franklin, Aston & Fair Meadows Building Dallas, Oil Company General American 100 Park Ave. Building, Suite 300 Oklahoma City, OK 73102 Anadarko Produgtion Company THE NEW MEXICO STATE ENGINEER HAVE COPIES OF THIS APPLICATION BEEN BENT TO EACH OF THE FOLLOWING? EACH OPERATOR WITHIN ONE-HALF MILE YES YES THE FOLLOWING ITEMS ATTACHED TO PLAT OF AREA THIS APPLICATION (SEE RULE 701-B) yes yes yes I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Care 5

NOTE: Should waivers from the State Engineer, the surface owher, and all operators within one-half mile of the proposed injection well.

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from the date of receipt by the Commission's Santa Fe office. If at the end of the 15-day waiting period no protest has been received by the Santa Fe office, the application will be processed. If a protest is received, the application will be set for hearing,
if the applicant so requests, see But F 701.

Engineering Assistant

(Signature)

(Title)

Well PLAN-0-G

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Company Petroleum Corporation of Texas	E	F	G	Н
Well No. 3 Lease Dexter Federal Unit Letter I, Sec. 22, T-17S, R-30E	L	K	J	Io
2310' FSL, 330' FEL, Eddie County, NM	М	N	0	P

A pressure gauge will be attached to the annulus at the surface.

----11" Surface Hole.

--8 5/8" Set @ 1437' w/500 sacks cement. Cement circulated to surface.

--- No intermediate string.

--- Casing - tubing annulus will be filled with an inert fluid.

----2 3/8" EUE Salta line tubing will be used.

----Tension type packer will be set @ 3940'.

Water injection perfs will be @ 3990'-4030'

Bridge plug will be set @ 6800' w/10' plug on top.

Perfs @ 6852'-64' are open

Perfs @ 6868'-77' are open

Perfs @ 6884'-99' Squeezed w/50 sacks cement (11-64)

Perfs @ 6906'-26' Squeezed w/100 sacks cement (11-63)

4 1/2" casing set @ 6939'. Cemented w/771 sacks cement w/DV Tool @ 6670'. 6 1/4" Long string hole. PB TD 69011.

Cementing

Special Tools

Acidizing

Chemical Services

Formation Testing

Fracturing

Dump Bailer

Casing Equipment



Cochron Chemical Company, Inc.

DE-EMULSIFIERS . WATERFLOOD CHEMICALS . PARAFFIN SOLVENTS . SCALE REMOVER & INHIBITORS

P. O. DRAWER 1341

PHONE 257-2825

CCC, INC.
P. O. Box 5421
MIDLAND, TEXAS 79701
682-7860

WEWOKA, OKLAHOMA 74884

May 23, 1977

PETROLEUM CORPORATION OF TEXAS

Dexter Federal "J" Lease

Loco Hills, New Mexico

INTRODUCTION:

A sample of water has been analyzed in our laboratory and we are pleased to submit a water analysis which includes total dissolved solids, pH, and the concentrations of chlorides and sulfates.

WATER ANALYSIS:

Total Solids7.		2,171	Mg/r
Iron		.09	Mg/L
Calcium Bicarbonate	(CaHCO3)	288	Mg/L
Calcium Sulfate	(CaSO4)	141	Mg/L
Calcium Chloride	(CaCL ₂)	222	Mg/L
Magnesium Chloride	(MgCL ₂)		Mg/L
Sodium Chloride	(NaCl)	1.360	Mq/L

Dr. William B. Hughes Chemist

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dr/

BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

·	
Sel CA	ASE NO. 5996
Or	der No. R- 55/3
APPLICATION OF PETROLEUM CORPORATION OF TEXAS FOR SALT WATER DISPOSAL, EDDY COUNTY, NEW MEXICO.	HI JAR
ORDER OF THE COMMISSION	
BY THE COMMISSION:	
This cause came on for hearing at 9 at Santa Fe, New Mexico, before Examiner,	a.m. on July 20, 1977 Richard L. Stamets
NOW, on this day of July a quorum being present, having considered record, and the recommendations of the Exadvised in the premises,	the testimony, the commission aminer, and being fully
FINDS:	
(1) That due public notice having be law, the Commission has jurisdiction of t matter thereof.	
(2) That the applicant, Petroleum C	orporation of Texas ,
is the owner and operator of the Dexter	Federal Well No. 3
located in Unit I of Section 22, Towns	ship 17 South ,
Range 30 East , NMPM, Jackson Abo P	ool,
Eddy County, New Mexico.	
(3) That the applicant proposes to a	atilize said well to
dispose of produced salt water into the	Abo
formation, with injection into the performation	rated interval
from approximately 6,852 feet to 6,877	feet.
(4) That the injection should be acc	complished through
2 3/8 -inch plastic lined tubing	installed in a packer
set at approximately 6800 feet; that	the casing-tubing annulus
should be filled with an inert fluid; and	that a pressure gauge
or approved leak detection device should b	e attached to the

annulus in order to determine leakage in the casing, tubing, or packer.

(4) That the injection well or system should be equipped with a pop-off valve or acceptable substitute which will limit the wellhead pressure on the injection well to no more 1370 than 760 psi.

,	(5) That There should be no injection
~ (\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	into said well of water preduced
w/	From any other formation office than the 1760 formation without
	written authorization of the Secretary -
	Director of the Commission.

(1) That the applicant, Petroleum Corporation of Texas is hereby authorized to utilize its Dexter Federal Well No. 3 located in Unit I of Section 22 , Township 17 30 East , NMPM, Jackson Abo Pool Range Eddy County, New Mexico, to dispose of produced salt water into the formation, injec-3/8 tion to be accomplished through tubing installed in a packer set at approximately 6800 feet, with injection into the perforated interval from approximately 6,852 feet to

PROVIDED HOWEVER, that the tubing shall be plastic-lined; that the casing-tubing annulus shall be filled with an inert fluid; and that a pressure gauge shall be attached to the annulus or the annulus shall be equipped with an approved leak detection device in order to determine leakage in the casing, tubing, or packer.

- (2) That the injection well or system shall be equipped with a pop-off valve or acceptable substitute which will limit the wellhead pressure on the injection well to no more than psi.
- (3) That the operator shall notify the supervisor of the Artesia district office of the Commission of the date and time of the installation of disposal equipment so that the same may be inspected.

That the operator shall immediately notify the supervisor of the Commission's Artesia district office of the failure of the tubing, casing, or packer, in said well or the leakage of water from or around said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

(8) That the applicant shall submit monthly reports of its disposal operations in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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

(4) that prior to injection of day inte said well of produced waters produced from any formation of their than the Abo formation the operator shall obtain written approval from the Secretary-Director of the Commission.

(5) To obtain such approval the operator shall submit an application setting for the the source and volume of such non-Abo formation waters, and an analysis of such non-Abo formation waters, and an analysis of the combined waters to be disposed of the combined waters to be disposed of the secretary on their disposal of such additional waters if the

(5) To obtain such approval the operator shall submit an application setting forth the source and volume of such non-Abo formation waters, and an analysis of such non-Abo formation waters, and an analysis of the combined waters to be disposed of.

(6) The Secretary Director may administratively authorize the disposal of such additional waters it. The same does not result in the contamination of waters for which there may be a reasonably foreseased as use.

