

CASE 5261: Appli. of AMERADA HESS
CORPORATION FOR SALT WATER DIS-
POSAL, LEA COUNTY, N. MEX.

CASE No.

5261

Application,

Transcripts,

Small Exhibits

ETC.

Amerada Hess Corp
AWD

H.C. Rosey^A No 1

"O" 11-125-32E

Devonian

open 1160-11230

E. Caprock Dev

Drilled to
Base
6/7/74

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
June 19, 1974

EXAMINER HEARING

IN THE MATTER OF:

Application of Amerada Hess Corpora-
tion for salt water disposal, Lea
County, New Mexico.

Case No.
5261

BEFORE: Richard L. Stamets, Examiner.

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the New Mexico Oil
Conservation Commission:

Thomas Derryberry, Esq.
Legal Counsel for the
Commission
State Land Office Bldg.
Santa Fe, New Mexico

For the Applicant:

Thomas W. Kellahin, Esq.
KELLAHIN & FOX
500 Don Gaspar
Santa Fe, New Mexico

THE NYE REPORTING SERVICE
STATE-WIDE DEPOSITION NOTARIES
225 JOHNSON STREET
SANTA FE, NEW MEXICO 87501
TEL. (505) 982-0386

CASE 5261

Page.....2

I N D E X

PAGE

A.E. SNYDER

Direct Examination by Mr. Kellahin
Cross Examination by Mr. Stamets

3
9

E X H I B I T S

Marked

Admitted

Applicant's Exhibits Nos.
1, 2 and 3

--

9

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MR. STAMETS: We'll call the next case, Case 5261.

MR. DERRYBERRY: Case 5261. Application of Amerada Hess Corporation for salt water disposal, Lea County, New Mexico.

MR. STAMETS: For the benefit of those others who are here, we will take a short recess after the conclusion of this Case.

MR. STAMETS:: Call for appearances in this Case.

MR. KELLAHIN: Tom Kellahin, Kellahin & Fox, Santa Fe, New Mexico, appearing on behalf of the Applicant, Amerada Hess Corporation, and I have one witness to be sworn.

MR. STAMETS: Any other appearances? The Witness will stand and be sworn, please.

(Witness sworn.)

A.E. SNYDER

called as a witness, having been first duly sworn, was examined and testified as follows:

DIRECT EXAMINATION

BY MR. KELLAHIN:

Q Would you please state your name, by whom you

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are employed and in what capacity?

A My name is A.E. Snyder, I am employed by Amerada Hess Corporation as Manager of Technical Services in the Seminole, Texas, Region Office.

Q Mr. Snyder, have you previously testified before this Commission and had your qualifications as an expert accepted and made a matter of record?

A Yes.

Q Are you familiar with the facts surrounding this particular Application by Amerada Hess?

A Yes.

MR. KELLAHIN: If the Examiner please, are the Witness' qualifications acceptable?

MR. STAMETS: They are.

BY MR. KELLAHIN:

Q Mr. Snyder, would you please refer to what has been marked as Applicant's Exhibit No. 1, identify it, and explain briefly what Amerada Hess is seeking?

A Exhibit No. 1 is a plat of the East Caprock-Devonian Field primarily. The Devonian produces from a depth of below 11,000 feet. On this plat is indicated the wells that are remaining productive, the wells that have been abandoned with a diagonal slash-line through them.

There are a couple of wells up in Section 1 in the north-east corner of the plat that were Wolfcamp producing, a little shallower depth; in the extreme southwest part of the plat there are a few Queen wells, about a 2200, 2300 foot depth. The Application here is merely an extension of something we are already doing; we are taking the Devonian water, produced water, and disposing of it back into the Devonian zone, in the State ECA Well No. 1 located in Unit C of Section 14, 12 South, 32 East. The capacity of this well is about 10,000 barrels a day. We are planning on increasing the lift capacity of our remaining producing wells and we'll need roughly another 10,000 barrels per day capacity of salt-water disposal, so we're asking permission to dispose of this 10,000 barrels per day into H.C. Posey "A" No. 1 located in Unit O of Section 11.

Q What is the current status of the other two wells in this quarter section?

A Well No. 2 was a dry hole in the Devonian; it was across the fault with low and wet and we had used it for awhile, tried to use it for a salt-water disposal in the Wolfcamp and were unsuccessful. It took less than a million barrels before it pressured up so it has been plugged and abandoned. Well No. 3 is a producing Devonian

Well.

Q What effect do you anticipate your proposed disposal well had upon the producing well in that quarter section?

A The history here has been that an off-set injection of their disposal well does not really have any marked effect on the producing well. The Devonian has an extremely good water drive so it's merely a matter of putting water back in the reservoir that we have taken out, so we anticipate no effect.

Q Who are the immediate off-set operators from your proposed location?

A Amerada Hess is the immediate off-set operator, diagonal off-set operator is Texaco in the northeast, southwest of Section 11, one Devonian producer.

Q Are there any other operators in the immediate area, besides Texaco?

A Union Oil Company has one remaining well.

Q Have both these operators been notified of your proposed Application?

A Yes, sir.

Q And have they conveyed to you any objection?

A No, sir.

Q Would you please refer to what has been marked as Applicant's Exhibit No. 2 and identify it?

A Exhibit No. 2 is a schematic diagram of the wellbore of the proposed injection well, or disposal well. It shows 13-3/8th-inch casing set at 296 feet and cement circulated to the surface; 8-5/8th-inch casing set at 3610 feet with 1500 sacks of cement, cement top at 786 feet; it shows 5-1/2-inch production casing set at 11,160 feet with 600 sacks of cement, cement top at 7250 feet, and it shows tubing which would be 3-1/2-inch tubing set on a packer at about 7500 feet. The Devonian interval is open-hole from 11,160 to total depth of 11,230 feet.

Q What do you anticipate to be the volume of water to be disposed of in this well?

A About a maximum of 10,000 barrels a day.

Q Do you anticipate this being under gravity injection or pressure injection?

A It may reach the maximum of 300 pounds although probably most of it would go -- well, essentially no pressure.

Q What type of surface installations do you anticipate on the surface of this well?

A We would have a 750-barrel field tank there to

collect the water and pump directly from the tank down the disposal line to the well about 850 feet away and directly into the tubing.

Q How do you anticipate monitoring this well for leakage?

A We would have facilities on the surface from the well-head to install a pressure gauge periodically and check the pressure or open the valve and see if it would over-flow; we do these normal things on a monthly basis.

Q Would you please refer to what has been marked as Exhibit No. 3?

A Exhibit No. 3 is a copy of the electric log of the well. On this log I have marked the formation tops that are normally picked up by the geologist in drilling a well, all the way down to total depth, and the bottom of the log shows the Devonian interval from 11,160 feet to total depth.

Q What has been the production history of the Poseh "A" Well?

A This well has produced substantially in the past. It was completed in early 1950; I believe I can give you the cumulative production from it. 733,000 barrels of cumulative oil production from the well; it gradually

increased in water-cut until it was uneconomical to operate, and about a year ago it was temporarily abandoned.

Q In your opinion, Mr. Snyder, will approval of this Application be in the best interests of conservation, the prevention of waste and the protection of correlative rights?

A Yes, sir.

Q Were Exhibits 1,2, and 3 either prepared by you directly or under your direction and supervision?

A Yes.

MR. KELLAHIN: We move the introduction of Applicant's Exhibits 1, 2 and 3.

MR. STAMETS: They will be admitted into evidence.

(Whereupon, Applicant's Exhibits Nos. 1, 2 and 3 were admitted into evidence.)

MR. KELLAHIN: That concludes our direct examination.

CROSS EXAMINATION

BY MR. STAMETS:

Q Mr. Snyder, how corrosive is the Devonian water?

A It is corrosive water, not too much different than other oil-field brines. Its total salt content is relatively low, 12 to 15 thousand parts per million, but

it is corrosive water.

Q Your field personnel would inspect both of your salt water disposal wells? You have two of them out there?

A Yes.

Q They do this on a regular basis?

A Yes. They're there daily.

Q And they would record any failure of the injection wells to the Hobbs District Office?

A Yes.

Q It doesn't indicate here that you propose to use line tubing.

A We would prefer not to use line tubing; we have had some difficulty with the plastic-lined tubing at these depths. The plastic -- if you can get a real good plastic job on it and you're not too deep it seems to work pretty good, but as depth increases you have a lot of expansion and contraction of the tubing with different pressures and temperature changes and the plastic is not an integral part of the steel tubing so it has a tendency to flake off and begin to peel and goes down and plugs up your formation. From time to time we will be in the hole with wire-line tools, bottomhole pressure temperature guage, maybe a baler to bale out the fill-up in the well and this

has a real adverse effect on the plastic. We would prefer not to use plastic-coated tubing and just monitor for leaks; when a leak does occur pull the tubing and put in whatever new equipment we need and go back to disposal again.

Q You indicated that you would install some sort of a device where you can attach a pressure gauge monthly. Could this pressure gauge be left on there on a permanent basis so Commission Field Inspectors could drive by anytime and take a look at the gauges.

A It could be left on, yes. The problem with this is the pressure gauge, out in the elements, high temperatures, low temperatures, lots of corrosive conditions and everything, it gets to where it doesn't work. It sets there and you get a lock-up on one zero pressure, 200 pounds, or whatever it might have been at the time it went bad, so we don't put a whole lot of faith in those over long distances of time.

Q What about such devices as a needle valve to give you a fine spray up the annulus if you get a leak?

A We would have that. It would be the point at which you would install the pressure gauge.

Q All of these would come under the heading of

an approved leak detection device.

A Yes.

Q What size tubing is this that you propose to use?

A 3-1/2. That's about the smallest size we could put in and still get the volumes of water that we wanted without having to go to high-pressure pumps .

Q How is the top of the cement determined in this well?

A Temperature survey at the time it was set.

Q In this area there are no productive zones below the 7500 feet, in the immediate vicinity of this well?

A Below 7500 feet?

Q Right. What I'm getting at is if you developed a leak in the 5-1/2-inch casing below your packer, is there anything there which could be damaged; any oil which could be lost?

A Our Exploitations Geologist and Electric Log Analyst in Tulsa have informed me that the Wolfcamp zone, which would be topped at 8272 in this well, has some possibility of pay. With the cement sheet behind the casing we would not anticipate any -- even if the casing corroded -- that we would get any severe leaks that would damage this zone. In other words, we have intentions of

when we're through with it as a disposal zone to come back and test this Wolfcamp zone.

Q So it is in your interests to keep an eye on it and see that it doesn't leak?

A Yes.

Q How long do you anticipate that this well may be used for a salt-water disposal?

A Five or ten years.

MR. STAMETS: Are there any other questions of this Witness? He may be excused. Anything further in this Case?

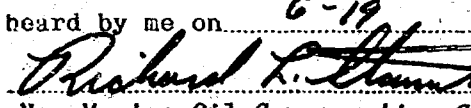
MR. KELLAHIN: No, sir.

MR. STAMETS: We will take the case under advisement.

STATE OF NEW MEXICO)
COUNTY OF SANTA FE) SS.

I, RICHARD L. NYE, Court 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.


RICHARD L. NYE, Court Reporter

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 5261 heard by me on 6-19, 1974.
 Examiner
New Mexico Oil Conservation Commission

THE NYE REPORTING SERVICE
STATE-WIDE DEPOSITION NOTARIES
225 JOHNSON STREET
SANTA FE, NEW MEXICO 87501
TEL. (505) 902-0386



OIL CONSERVATION COMMISSION

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

I. R. TRUJILLO
CHAIRMAN

**LAND COMMISSIONER
ALEX J. ARMIJO
MEMBER**

**STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR**

June 25, 1974

Mr. Tom Kellahin
Kellahin & Fox
Attorneys at Law
Post Office Box 1769
Santa Fe, New Mexico

Re: CASE NO. 5261

ORDER NO. R-4818

Applicant:

Amerada Hess Corporation

Dear Sir:

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

Very truly yours,

A. L. Porter, Jr.

A. L. PORTER, Jr.
Secretary-Director

ALP/ir

Copy of order also sent to:

Hobbs OCC x
 Artesia OCC
 Aztec OCC

Other State Engineer Office

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. 5261
Order No. R-4818

APPLICATION OF AMERADA HESS
CORPORATION FOR SALT WATER
DISPOSAL, LEA COUNTY, NEW
MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on June 19, 1974,
at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 25th day of June, 1974, 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, Amerada Hess Corporation, is
the owner and operator of the H. C. Posey "A" Well No. 1,
located in Unit O of Section 11, Township 12 South, Range 32
East, NMPM, East Caprock-Devonian Pool, Lea County, New Mexico.

(3) That the applicant proposes to utilize said well to
dispose of produced salt water into the Devonian formation,
with injection into the openhole interval from approximately
11,160 feet to 11,230 feet.

(4) That the injection should be accomplished through
3 1/2-inch tubing installed in a packer set at approximately
7500 feet; that the casing-tubing annulus should be filled
with an inert fluid; and that a pressure gauge or other Commis-
sion-approved leak-detection device should be attached to the
annulus or the annulus left open at the surface in order to
determine leakage in the casing, tubing, or packer.

(5) That the water to be disposed of into said well is
corrosive.

-2-

Case No. 5261
Order No. R-4818

(6) That if the applicant does not utilize internally coated tubing for the injection string, it should take such measures as may be required by the Secretary-Director of the Commission to minimize corrosion of the tubing or promptly detect any failure of the tubing, casing, or packer.

(7) 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, Amerada Hess Corporation, is hereby authorized to utilize its H. C. Posey "A" Well No. 1, located in Unit O of Section 11, Township 12 South, Range 32 East, NMPM, East Caprock-Devonian Pool, Lea County, New Mexico, to dispose of produced salt water into the Devonian formation, injection to be accomplished through 3 1/2-inch tubing installed in a packer set at approximately 7500 feet, with injection into the openhole interval from approximately 11,160 feet to 11,230 feet;

PROVIDED HOWEVER, that the casing-tubing annulus shall be filled with an inert fluid; and that a pressure gauge or other Commission-approved leak-detection device shall be attached to the annulus or the annulus left open at the surface in order to determine leakage in the casing, tubing, or packer.

PROVIDED FURTHER, that if internally coated tubing is not utilized, the applicant shall so notify the Secretary-Director of the Commission and shall take such measures as may be required by the Secretary-Director to minimize corrosion or promptly detect any failure of the tubing, casing, or packer.

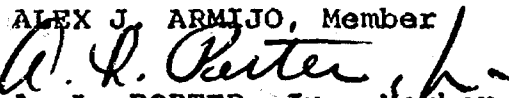
(2) That the applicant shall submit monthly reports of its disposal operations in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(3) 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


I. R. TRUJILLO, Chairman

ALEX J. ARMIJO, Member

A. L. PORTER, Jr., Member & Secretary

dr/

Dockets Nos. 19-74 and 20-74 are tentatively set for hearing on July 16 and July 24. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - JUNE 19, 1974

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. Nutter, Alternate Examiner:

CASE 5256: Application of Monsanto Company for directional drilling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to plug back its Arco Federal Well No. 2 located 990 feet from the North line and 2310 feet from the East line of Section 13, Township 21 South, Range 26 East, Burton Flats Field, Eddy County, New Mexico, to a depth of 9314 feet and to set a whipstock and directionally drill said well in such a manner as to bottom it in the Morrow formation within a 50-foot radius of a point 660 feet from the North line and 1980 feet from the East line of said Section 13.

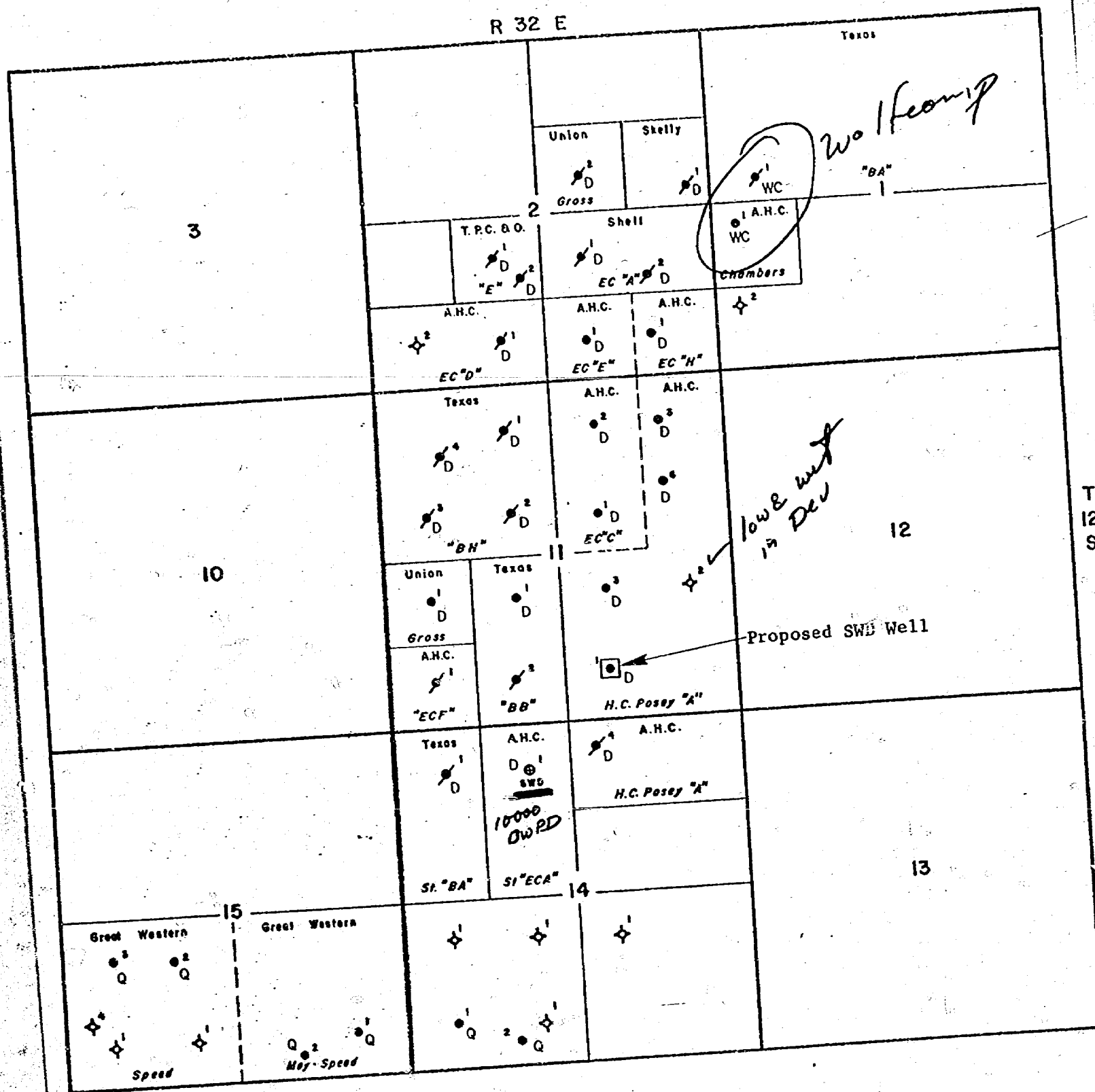
CASE 5257: Application of Mobil Oil Corporation for an unorthodox location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Federal 12 Com Well No. 1 to be drilled to the Morrow formation at a point 1300 feet from the South line and 660 feet from the East line of Section 12, Township 21 South, Range 26 East, Eddy County, New Mexico, the E/2 of said Section 12 to be dedicated to the well.

CASE 5258: Application of Texas Pacific Oil Company for two waterflood projects and downhole commingling or dual completions, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dually complete its State "A" Act. 1 Well No. 42 located in Unit A of Section 4, Township 23 South, Range 36 East, Lea County, New Mexico, for the purpose of injecting water into the Upper Seven-Rivers formation of the Jalmat Pool and the Lower Seven-Rivers formation of the Langlie-Mattix Pool for the purpose of secondary recovery. Applicant further seeks approval for the downhole commingling in the wellbore of Jalmat and Langlie-Mattix production in the off-setting wells Nos. 44, 45, and 87, located in Units B, H, and G, respectively, of said Section 4; in the alternative applicant seeks approval for the dual completion of the aforesaid three wells to produce oil from said pools through parallel strings of tubing.

CASE 3608: (Reopened)

In the matter of Case No. 3608 being reopened pursuant to the provisions of Order No. R-3282, which order established temporary rules for the Carlsbad Permo-Penn Gas Pool, Eddy County, New Mexico, including a provision for 640-acre spacing. All interested parties may appear and show cause why said pool should not be developed on 320-acre spacing units.

- CASE 5259: Application of Read & Stevens, Inc. for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for an unorthodox gas well location for a well proposed to be drilled 660 feet from the South line and 990 feet from the East line of Section 30, Township 20 South, Range 25 East, Eddy County, New Mexico, in exception to the pool rules for the Indian Basin-Morrow Gas Pool or the Cemetary-Morrow Gas Pool, whichever is applicable.
- CASE 5260: In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit R & G Drilling Company and all other interested parties to appear and show cause why Order No. DC-1026, which authorized dual completion in the Blanco-Mesaverde and Basin-Dakota Pools, should not be rescinded and the Hammond Well No. 47 located in Unit K, Section 35, Township 27 North, Range 8 West, San Juan County, New Mexico, be recompleted as a single zone well.
- CASE 5261: Application of Amerada Hess Corporation for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Devonian formation through the openhole interval from 11,160 feet to 11,230 feet of its H. C. Posey "A" Well No. 1 located in Unit O of Section 11, Township 12 South, Range 32 East, East Caprock-Devonian Pool, Lea County, New Mexico.
- CASE 5262: Application of Petro-Lewis Corporation for pool contraction, creation, and special pool rules, Sandoval County, New Mexico. Applicant, in the above-styled cause, seeks the contraction of the Media-Entrada Oil Pool by the deletion of the NW/4 of Section 22, Township 19 North, Range 3 West, Sandoval County, New Mexico, and the creation of a new pool for Entrada production comprising said lands. Applicant further seeks the promulgation of special rules for said pool, including a provision for 160-acre proration units and the establishment of a special depth bracket allowable for said pool of up to 750 barrels per day.
- CASE 5263: Application of Reading & Bates Oil and Gas Company for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for an unorthodox gas well location for a well proposed to be drilled at a point 660 feet from the South and West lines of Section 8, Township 18 South, Range 26 East, Eddy County, New Mexico, the S/2 of said Section 8 to be dedicated to the well.
- CASE 5251: (Continued from the June 5, 1974, Examiner Hearing)
Application of Pierce & Dehlinger for the Amendment of Order No. R-4560, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-4560 to provide for an extension of time in which to comply with the schedule set forth in said order for the drilling and completion of the third well covered by said order, to be located in the NE/4 of Section 24, Township 9 South, Range 33 East, Vada-Pennsylvanian Pool, Lea County, New Mexico.



- D Devonian Well
- WC Wolfcamp Well
- Q Queen Well

EXHIBIT NO. _____
CASE NO. _____
DATE _____

Amerada Hess Corp.
EAST CAPROCK FIELD
Lea Co., New Mexico
Scale: 1" = 2000'

Amerada Hess Corporation
H.C. Posey "A" No. 1 (SWD Well No. 4)
SW/4 SE/4 Sec. 11 - T12S-R32E
East Caprock Field
Lea County, New Mexico
Elevation 4350' DF

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION
EXHIBIT NO. 2
CASE NO. 5261
Submitted by Snyder
Hearing Date June 19, 1974

Top Devonian @ 11,160'
Open Hole Disposal Interval

TD 11,230'

13 3/8" Csg. @ 296'
Cement Circulated

8 5/8" Csg. @ 3610' w 1500 sx.
Cement Top @ 786'

Cement Top @ 7250'

3 1/2"
Tubing set on packer @ 7500'

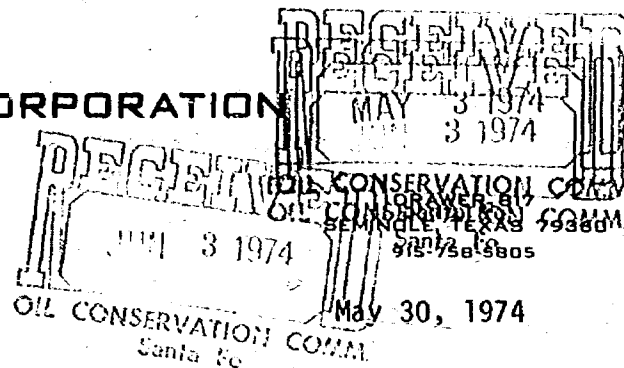
WC at 8272
possible

EXHIBIT NO. _____
CASE NO. _____
DATE _____

5 1/2" Csg. @ 11,160' w 600 sx.
Cement Top @ 7250'

Temp Survey

AMERADA HESS CORPORATION



Mr. Dan Nutter, Chief Engineer
New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Case 5261

Re: Application of Amerada Hess Corporation
for Authority to Dispose of Salt Water
into it's H. C. Posey "A" #1, East
Caprock Devonian Field, Lea County,
New Mexico

Dear Mr. Nutter:

dan
Amerada Hess Corporation is the owner and operator of several leases in the East Caprock Devonian Field. Water production from the field is increasing to such an extent that additional disposal capacity is needed. The H. C. Posey "A" #1, located in SW/4 SE/4 (unit 0) Sec 11-T12S-R32E, Lea County, New Mexico is a watered out and temporarily abandoned Devonian producer. We request permission to dispose of approximately 10,000 barrels of produced water per day into this well at a maximum of 300 psi surface pressure, into Devonian open hole section from 11,160' to 11,230'.

A plat of the area, diagramatic sketch of the well and electric log of well are enclosed.

It would be appreciated if this matter is set for hearing on June 19, 1974.

Yours truly,

CC: Mr. Joe D. Ramey
New Mexico Oil Conservation Commission
P. O. Box 1980
Hobbs, New Mexico 88240

A. E. Snyder
A. E. Snyder
Manager Technical Services

Mr. Steve Reynolds
State Engineer
Capitol Building
Santa Fe, New Mexico 87501

Texaco, Inc.
P. O. Box 728
Hobbs, New Mexico 88240

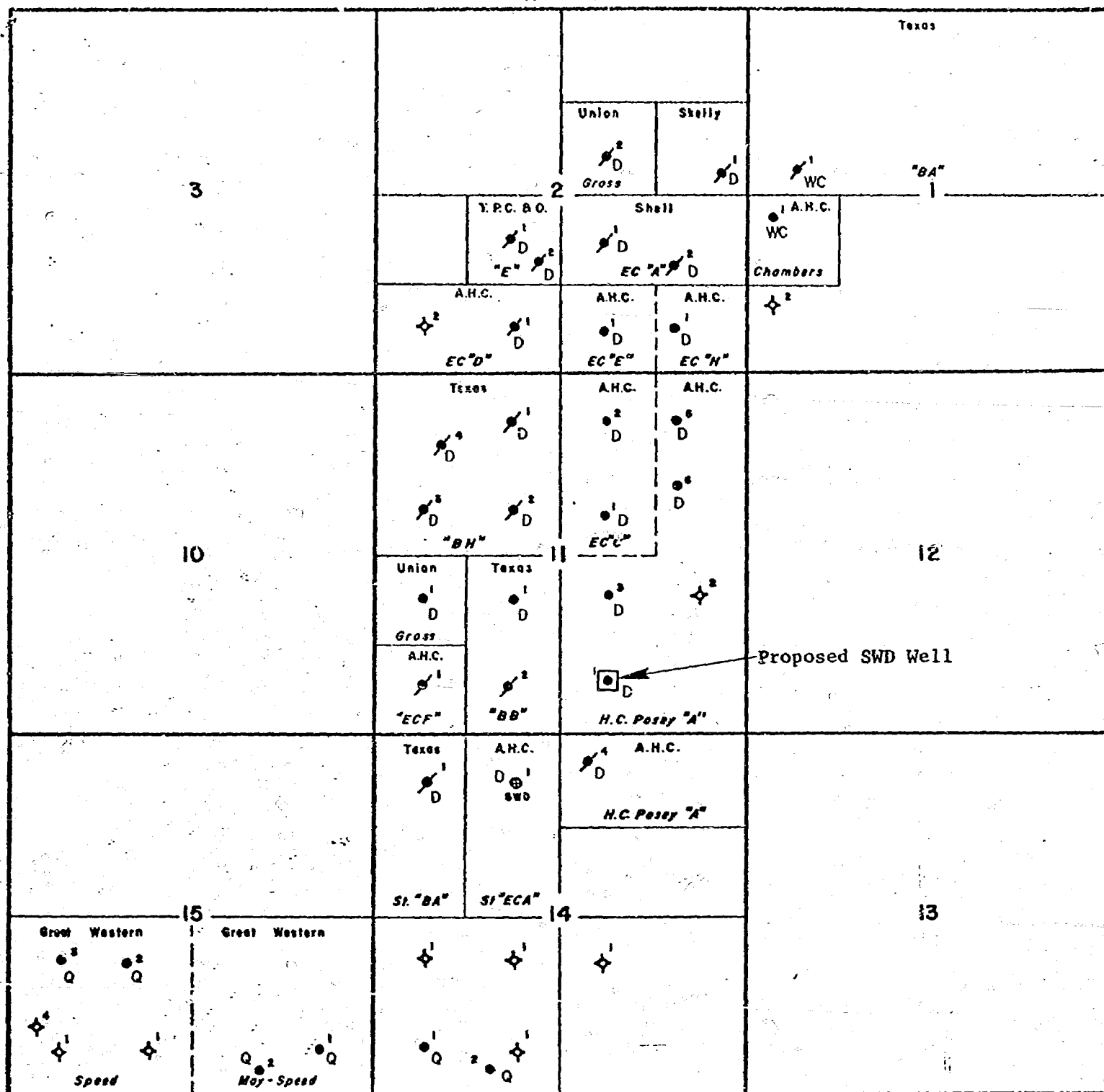
Union Oil Co.
P. O. Box 3100
Midland, Texas 79701

DOCKET MAILED

Date 6-7-74

AES/hc

R 32 E

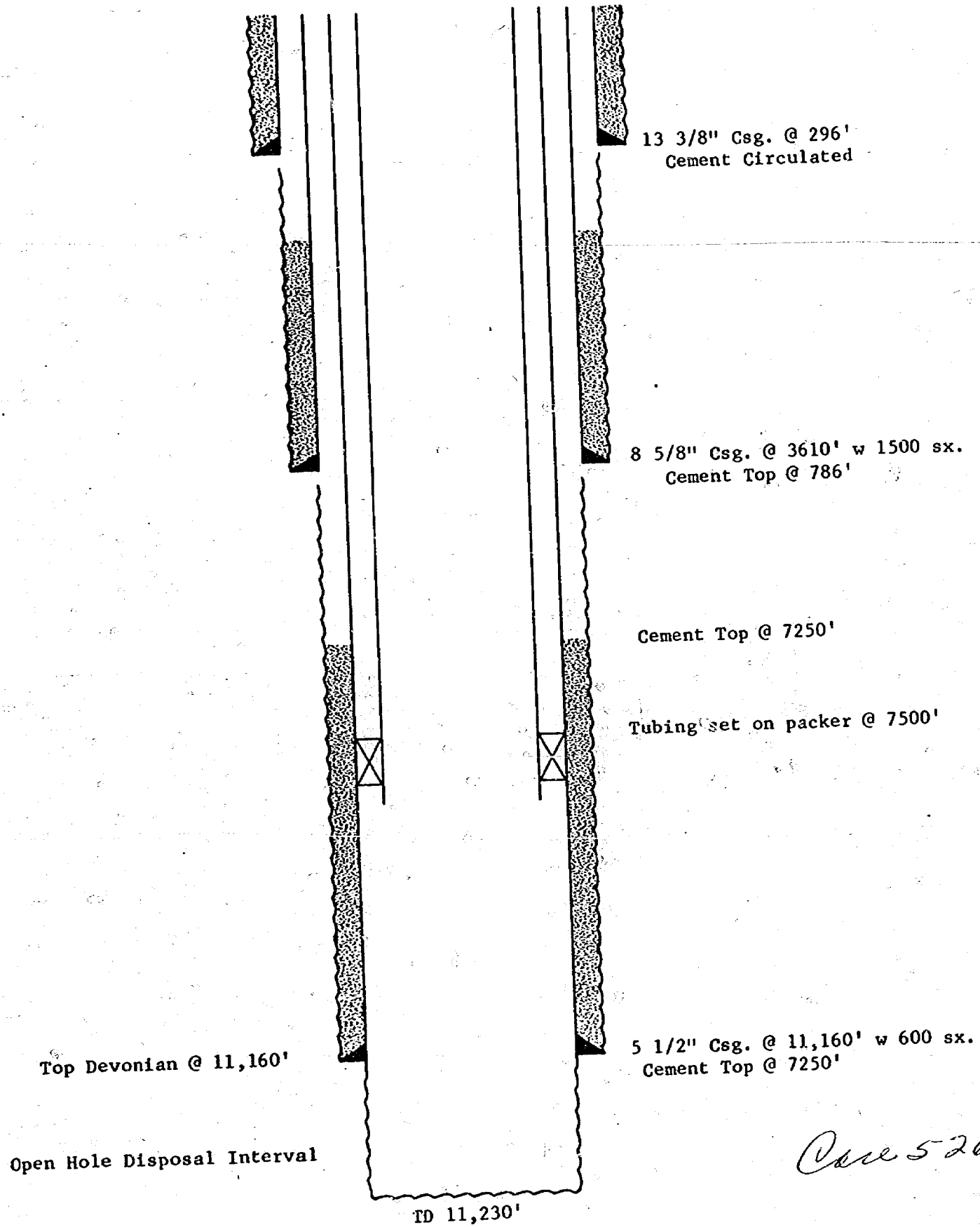


- D Devonian Well
- WC Wolfcamp Well
- Q Queen Well

Amerada Hess Corp.
EAST CAPROCK FIELD
Lea Co., New Mexico
Scale: 1" = 2000'

Case 526

Amerada Hess Corporation
H.C. Posey "A" No. 1 (SWD Well No. 4)
SW/4 SE/4 Sec. 11 - T12S-R32E
East Caprock Field
Lea County, New Mexico
Elevation 4350' DF



Case 5261

DRAFT

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. 5261

Order No. R- 4818

APPLICATION OF AMERADA HESS
CORPORATION FOR SALT WATER
DISPOSAL, LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on June 19, 1974
at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this day of June, 1974, 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, Amerada Hess Corporation,
is the owner and operator of the H. C. Posey "A" Well No. 1,
located in Unit 0 of Section 11, Township 12 South, Range
32 East, NMPM, East Caprock-Devonian Pool, Lea
County, New Mexico.

(3) That the applicant proposes to utilize said well to
dispose of produced salt water into the Devonian
formation, with injection into the openhole interval
from approximately 11,160 feet to 11,230 feet.

(4) That the injection should be accomplished through
3 1/2-inch ~~plastic-lined~~ tubing installed in a packer set at

approximately 7500 feet; that the casing-tubing annulus should be filled with an inert fluid; and that a pressure gauge ^{or other commission-approved leak-detection device} should be attached to the annulus or the annulus left open at the surface in order to determine leakage in the casing, tubing, or packer.

(5) That the water to be disposed of into said well is corrosive.

(6) That if the applicant does not utilize internally coated tubing for the injection string, ~~he~~^{it} should take such measures as may be required by the Secretary-Director of the Commission to minimize corrosion of the tubing or promptly detect any failure of the tubing, casing, or packer.

(see under)

PROVIDED HOWEVER, that the tubing shall be plastic lined, *with 1/2" coated or bare,*

that the casing-tubing annulus shall be filled with an inert
fluid; and that a pressure gauge ^{or other Commission-approved leak-detection device} shall be attached to the annulus
or the annulus left open at the surface in order to determine
leakage in the casing, tubing, or packer.

PROVIDED FURTHER, that if internally coated tubing is not utilized, and the applicant shall so notify the Secretary-Director of the Commission, the applicant shall take such measures as may be required by the Secretary-Director of the Commission to minimize corrosion or promptly detect any failure of the tubing, casing, or packer.