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NEW MEXICO OIL CONSERVATION COMMISSION

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30-015-22518

Form C-101
Revised 1-1-65

APR 11 1979

O. C. C.
ARTESIA, OFFICE

5A. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5. State Oil & Gas Lease No. B-2386-4 & 112092
7. Unit Agreement Name
8. Farm or Lease Name Hudson State
9. Well No. 1
10. Field and Pool, or Wildcat Dos Hermanos Morrow
12. County Eddy
19. Proposed Depth 12,600 TVD
19A. Formation Strawn/Morrow
20. Rotary or C.T. Rotary
21A. Kind & Status Plug. Bond Blanket
21B. Drilling Contractor Forster
22. Approx. Date Work will start May 15, 1979

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Type of Work

Type of Well DRILL ☒ DEEPEN ☐ PLUG BACK ☐

OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☒

Name of Operator

Texas International Petroleum Corporation

Address of Operator

3535 NW 58th, Suite 300; Oklahoma City, Oklahoma 73112

Location of Well

UNIT LETTER J LOCATED 1650 FEET FROM THE South LINE

1800 FEET FROM THE East LINE OF SEC. 29 TWP. 20S RGE. 30E NMPM

*To be set in accordance with NMOCC Order No. R-111-A, as amended.

BOP SIZE API SERIES NO. & STYLE BOP PRESSURE TESTS

10" 900 Hydraulic Db1. U.S. 1000 psi

This well is to be drilled in conformance with all regulations pertaining to drilling in the Potash area, as set forth by the NMOCC and other appropriate agencies. A Drilling Prognosis is attached. Gas for this well is not dedicated. (Original permit expired).

APPROVAL

FOR 30 DAYS

DRILLING COM.

7-18-79

BOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTION ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signature Title Drilling Engineer Date April 2, 1979

(This space for State Use)

APPROVED BY SUPERVISOR, DISTRICT II

DATE APR 18 1979

CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to surface behind 20"-13 7/8" casing

Notify NMOCC sufficient time to witness cementing the 13 7/8" casing

NEW MEXICO CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Supervised by
[illegible]

All lines are to be from the outer boundaries of the Section

Texas International Pet. Corp. Hudson State

29 20 South 30 East Eddy

1800 East 1650 South

3375.0 Strawn - Morrow Golden Lane - Dos Hermanos 320 - 640

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, for re-pooling, etc?

YES ☒ NO ☐ If answer is "yes" type of consolidation

If answer is "No" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) **NONE**
No royalty will be assigned to the well until all interests have been consolidated (by communitization, unitization, for re-pooling, or otherwise) until a non-standard unit, eliminating such interests, has been approved by the Commission.

CERTIFICATION

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

Scott Sanders

Brly. Engr.

Texas Int'l Pet

3-5-79

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date received 3/9/78

Registered Professional Engineer and Oil and Gas Surveyor

John W. West

Certificate No. John W. West 676
Ronald J. Edson 3239

AMOCO 100% W.I.
State of N.M.
12.5% R.I.

(80 AC.)

SHOOT HOLE
150' FNL
1552 FWL

Sun Oil 60% W.I.
TIPCO 28.57% W.I.
Patrick Petr. 21.43% W.I.
State of N.M. 12.5% R.I.

(240 AC.)

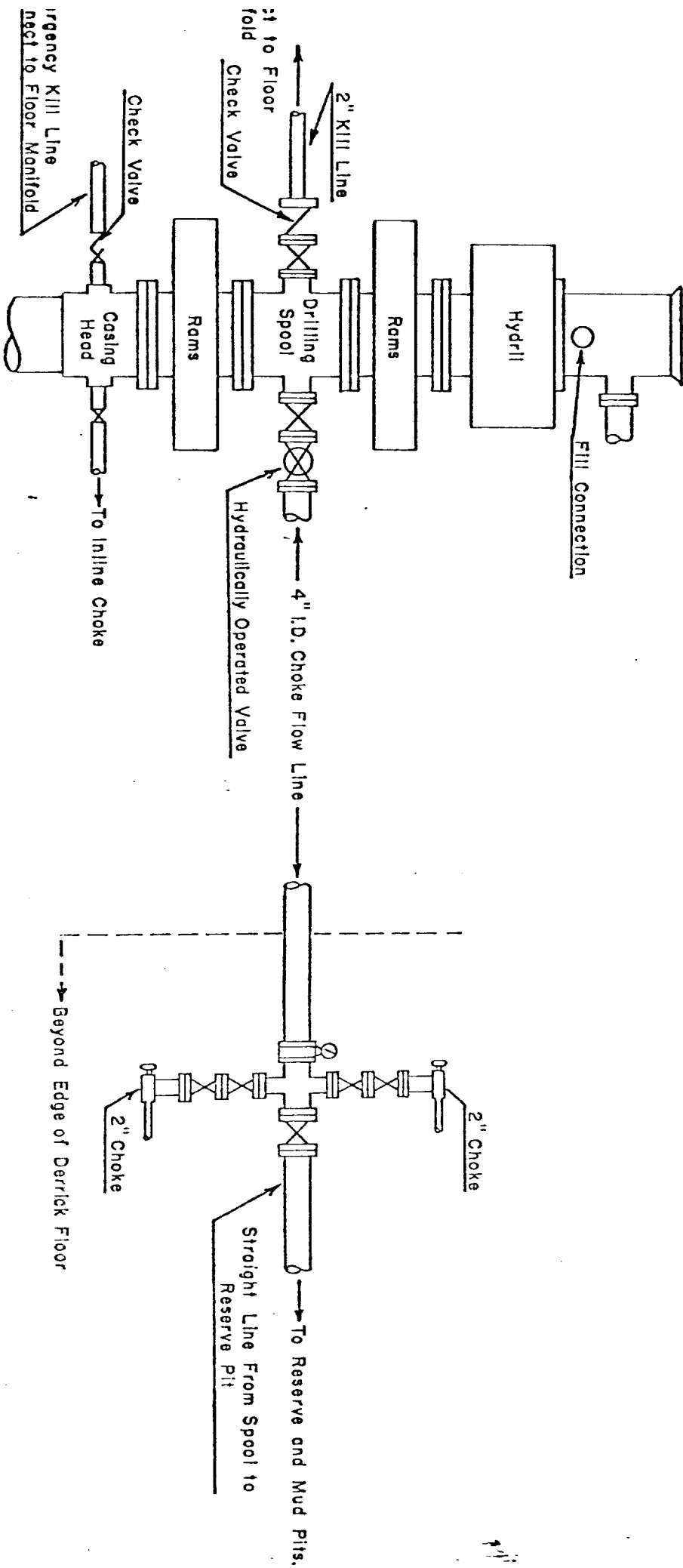
Hudson Bros. 50% W.I.
Patrick Petr. 21.43% W.I.
TIPCO 28.57% W.I.
U.S.A. 12.5% R.I.

Oil

1800'

1320 1600 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 5120 5440 5760 6080 6400

PROPOSED BLOW-OUT PREVENTER
 HOOKUP FOR USE ON:
 TEXAS INTERNATIONAL PETR. CORP.'S
 HUDSONSTATE #1
 SEC. 29 T20S & R30E
 EDDY COUNTY, NEW MEXICO



DRILLING PROGNOSIS & MUD PROGRAM

Operator: Texas International Petroleum Corporation
Lease and Well No.: Hudson State #1
Location: 1800' FEL & 1650' FSL of Section 29, T20S & R30E,
Eddy County, New Mexico

Surface Casing: 26" surface hole is to be drilled to an approximate depth of 500' using a fresh water gel-lime spud mud. A caliper survey will be run to determine the volume of cement required. 20" OD casing will be set at approximately 500'.

Salt Protection Casing: 17-1/2" hole is to be drilled below the surface casing using saturated salt water. 13-3/8" OD casing is to be set not less than 100' nor more than 600' below the base of the salt. Anticipated setting depth is approximately 1700'. Cement will be brought back to the surface.

Intermediate Casing: 12-1/4" ~~aprox~~ hole is to be drilled below the salt protection casing to approximately 4000' using ~~fresh~~ water. Lost circulation is anticipated while drilling through the Capitan Reef. The hole will of necessity be dry-drilled to casing point, if lost circulation is severe. Cementing of the 8-5/8" OD casing back to the surface will be accomplished through stage cementing procedures.

Production Casing: In order to reach the bottom hole location, it will be necessary to deviate at a depth of 4100' in a direction of NW to reach the bottom hole location. A 7-7/8" hole will be drilled to 12,600 TVD using fresh water with flo-sal and 2-4% potassium chloride. Before drilling the Strawn zone, brine will be used. Cementing of the 5-1/2" OD oil string will be accomplished after evaluating open hole logs and caliper.

Mud Program Summary:

Surface: Fresh water gel-lime spud mud.

Salt Protection: Saturated salt water

Intermediate: Fresh water with required lost circulation materials.

Oil String: Fresh water, 2% KCL with Flo-sal followed by brine of sufficient weight to control encountered hole conditions. The following products will be used with the above program: bentonite, lime, potassium chloride, caustic soda, starch, salt gel, formaldehyde, barite (possibly), asbestos and inert lost circulation materials.

PROPOSED WELL LAYOUT

TIPCO

NO 1 HUDSON - STATE

SEC. 29, T20S, R30E

EDDY COUNTY, NEW MEXICO

RESERVE PIT

TRASH
PIT

SAND PIT

SHALE PIT

SUCTION PIT

EXISTING PAD

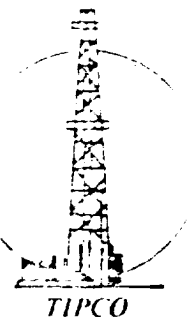
NO 1 HUDSON
FEDERAL COMM

SEPARATOR

PROPOSED PAD

TANK BATTERY

TANK BATTERY



RECEIVED
TEXAS INTERNATIONAL PETROLEUM CORPORATION
1978 FEB 27 PM 12:18

February 20, 1978

Potash Company of America
P.O. Box 31
Carlsbad, New Mexico 88220

Attn: Roy Renshaw
Sr. Geologist

RE: Hudson State #1
Eddy County, New Mexico
Section 29, T20S, R30E

Dear Sirs:

In accordance with R-111-A, as amended, we are hereby putting your company on notice that Texas International Petroleum Corporation has made application to drill a 12,600' TVD Strawn/Morrow test to be located in Section 29, T20S, R30E, Eddy County, New Mexico.

We have been advised that your company is the owner of record of certain Potash leases that are within one mile of our proposed location. We respectfully request that you waive any objections which you might have to our proposed test and ask that you so indicate by signing and returning one copy of this letter to this office within the allotted ten day period. As discussed previously, TIPCO will provide you with a copy of the Gamma Ray log and will notify your company prior to the cementing of the casing through the salt.

Your favorable consideration of this request would be appreciated.

Yours very truly,

Scott Sanders

Scott Sanders
Drilling Engineer

Approved: *EW Renshaw, Sr. Geol.* Date: *2-22-78*

SS:jr

Potash Co. of America

*Location to be 1650' FSH
1800' FEL 29 20S 30E*

as per correspondence 10-7-77 with Terry F. Eder
EW

RECEIVED
TEXAS INTERNATIONAL PETROLEUM CORPORATION
1978 FEB 21 PM 12:25



February 20, 1978

Mississippi Chemical Corporation
Box 101
Carlsbad, New Mexico 88220

Attn: Mr. J.R. Walls
General Manager

RE: Hudson State #1
Eddy County, New Mexico
Section 29, T20S, R30E

Dear Sirs:

In accordance with R-111-A, as amended, we are hereby putting your company on notice that Texas International Petroleum Corporation has made application to drill a 12,600' TVD Strawn/Morrow test to be located in Section 29, T20S, R30E, Eddy County, New Mexico.

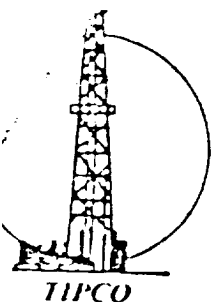
We have been advised that your company is the owner of record of certain Potash leases that are within one mile of our proposed location. We respectfully request that you waive any objections which you might have to our proposed test and ask that you so indicate by signing and returning one copy of this letter to this office within the allotted ten day period. As discussed previously, TIPCO will provide you with a copy of the Gamma Ray log and will notify your company prior to the cementing of the casing through the salt.

Your favorable consideration of this request would be appreciated.

Yours very truly,

Approval of the above is applicable for the location referred to in your
Approved: letter of October 7, 1977 Date: 2/23/78

SS:jr



TEXAS INTERNATIONAL PETROLEUM CORPORATION

October 7, 1977

Roy Renshaw
Pottash Company of America
Box 31
Carlsbad, NM 88220

Dear Mr. Renshaw:

As per our telephone conversation on 10-7-77, please find the following information concerning TIPCO's proposed drilling location in Eddy County, New Mexico.

	<u>FSL</u>	<u>FEL</u>	<u>SEC-TS-RG</u>
- Hudson Federal #1	1650	1650	29 20S 30E
- Federal State #1	1650	1800	29 20S 30E
Bottom Hole Target	3145	3295	29 20S 30E

TIPCO plans to drill the proposed test vertically to a depth of 4000' and set 8 5/8" casing at that depth. In order to reach the proposed bottom hole location, it will then be necessary to deviate at a depth of 4100' in a direction of NW to get to the proposed bottom hole location. The additional 150' location from Hudson Federal #1 should present no drilling problems to us and we will submit all of the necessary forms and data should this preliminary request for a location be approved by your company.

Yours very truly,

Terry Felter
Drilling Engineer

TF:ts

Enclosure

cc: Jim Gaskill
Truett Guy