

CASE 3571:

SOUTHEASTERN NEW MEXICO
NOMENCLATURE

CASE No.
3571

Application,
TRANSCRIPTS,
SMALL Exhibits
ETC.

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

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

CASE No. 3571
Order No. R-3237

THE APPLICATION OF THE OIL CONSERVATION
COMMISSION UPON ITS OWN MOTION FOR AN
ORDER CREATING AND EXTENDING CERTAIN POOLS
IN CHAVES, EDDY, LEA, AND ROOSEVELT COUNTIES,
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on May 17, 1967,
at Santa Fe, New Mexico, before the Oil Conservation Commission
of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 19th day of May, 1967, the Commission, a
quorum being present, having considered the testimony presented
and the exhibits received at said hearing, 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 there is need for the creation of a new oil pool
in Lea County, New Mexico, for the production of oil from the
Cisco (Bough C) formation, said pool to bear the designation of
East Inbe-Pennsylvanian Pool. Further, that the discovery well
for said pool, Monsanto Company's Lane State No. 1-Y located in
Unit M of Section 30, Township 10 South, Range 34 East, NMPM,
is entitled to and should receive a bonus discovery oil allowable
in the amount of 50,010 barrels to be assigned over a two-year
period. The top of the perforations in said well is 10,002 feet.

(3) That there is need for the creation of a new oil pool in Roosevelt County, New Mexico, for the production of oil from the San Andres formation, said pool to bear the designation of Northeast Chaveroo-San Andres Pool. Said Northeast Chaveroo-San Andres Pool was discovered by Pan American Petroleum Corporation, Brown, Jr. No. 1, located in Unit L of Section 4, Township 7 South, Range 34 East, NMPM. It was completed in San Andres on August 2, 1966. The top of perforations is 4133 feet.

(4) That there is need for the creation of a new gas pool in Eddy County, New Mexico, for the production of gas from the Upper Pennsylvanian formation, said pool to bear the designation of Springs-Upper Pennsylvanian Gas Pool. Said Springs-Upper Pennsylvanian Gas Pool was discovered by Gulf Oil Corporation, Springs Unit No. 1, located in Unit G of Section 34, Township 20 South, Range 26 East, NMPM. It was completed in Upper Pennsylvanian on December 6, 1966. The top of perforations is 8004 feet.

(5) That there is need for certain extensions to the Chaveroo-San Andres Pool in Chaves County, New Mexico, the North Indian Hills-Morrow Gas Pool, the Leo Queen-Grayburg Pool, the Lusk-Strawn Pool, and the East Millman Queen-Grayburg Pool, all in Eddy County, New Mexico, the Northeast Bagley-Wolfcamp Pool, the South Corbin-Morrow Gas Pool, the Flying "M"-San Andres Pool, the Kennitz-Lower Wolfcamp Pool, the Lazy J-Pennsylvanian Pool, the Nadine-Drinkard Pool, the Pearl-Queen Pool, and the Vacuum-Upper Pennsylvanian Pool, all in Lea County, New Mexico.

IT IS THEREFORE ORDERED:

(a) That a new pool in Lea County, New Mexico, classified as an oil pool for Cisco (Bough C) production, is hereby created and designated as the East Inbe-Pennsylvanian Pool, consisting of the following-described area:

TOWNSHIP 10 SOUTH, RANGE 34 EAST, NMPM
Section 30: SW/4

That the discovery well for said pool, the Monsanto Company Lane State Well No. 1-Y, located in Unit M of Section 30, Township 10 South, Range 34 East, NMPM, is hereby authorized an oil discovery allowable of 50,010 barrels to be assigned to said well at the rate of 68 barrels per day in accordance with Rule 509 of the Commission Rules and Regulations.

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(b) That a new pool in Roosevelt County, New Mexico, classified as an oil pool for San Andres production, is hereby created and designated as the Northeast Chaveroo-San Andres Pool, consisting of the following-described area:

TOWNSHIP 7 SOUTH, RANGE 34 EAST, NMPM

Section 4: SW/4
Section 5: S/2
Section 6: SE/4

(c) That a new pool in Eddy County, New Mexico, classified as a gas pool for Upper Pennsylvanian production, is hereby created and designated as the Springs-Upper Pennsylvanian Gas Pool, consisting of the following-described area:

TOWNSHIP 20 SOUTH, RANGE 26 EAST, NMPM

Section 34: N/2

(d) That the Northeast Bagley-Wolfcamp Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM

Section 11: SW/4

(e) That the Chaveroo-San Andres Pool in Chaves County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 8 SOUTH, RANGE 32 EAST, NMPM

Section 2: E/2

TOWNSHIP 8 SOUTH, RANGE 33 EAST, NMPM

Section 3: SW/4
Section 4: SE/4
Section 10: NE/4
Section 11: NE/4
Section 12: NW/4

(f) That the South Corbin-Morrow Gas Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 18 SOUTH, RANGE 33 EAST, NMPM

Section 27: W/2

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(g) That the Flying "M"-San Andres Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 2 SOUTH, RANGE 33 EAST, NMPM

Section 28: SE/4

(h) That the North Indian Hills-Morrow Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 21 SOUTH, RANGE 24 EAST, NMPM

Section 5: All

(i) That the Kennitz-Lower Wolfcamp Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 16 SOUTH, RANGE 33 EAST, NMPM

Section 23: SE/4

(j) That the Lazy J-Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 14 SOUTH, RANGE 33 EAST, NMPM

Section 2: NE/4

Section 3: SW/4

(k) That the Leo Queen-Grayburg Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 18 SOUTH, RANGE 30 EAST, NMPM

Section 21: NE/4 NW/4

(l) That the Lusk-Strawn Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM

Section 11: SW/4

(m) That the East Millman Queen-Grayburg Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is

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hereby extended to include therein:

TOWNSHIP 19 SOUTH, RANGE 28 EAST, NMPM
Section 11: S/2 NE/4

(n) That the Madine-Drinkard Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 19 SOUTH, RANGE 38 EAST, NMPM
Section 26: NW/4

(o) That the Pearl-Queen Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM
Section 26: SW/4

(p) That the Vacuum-Upper Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM
Section 24: NW/4

IT IS FURTHER ORDERED:

That the effective date of this order and all creations and extensions included herein shall be June 1, 1967.

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



esr/

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

David F. Cargo
DAVID F. CARGO, Chairman

Guyton B. Hays
GUYTON B. HAYS, Member

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

Monsanto C O M P A N Y

Hydrocarbons Division
101 North Marienfeld
Midland, Texas 79704

RECEIVED OFFICE

67 MAR 26 PM 7 01

March 21, 1967

New Mexico Oil Conservation Commission
P. O. Box 1980
Hobbs, New Mexico

Attention: Mr. Joe D. Ramsey
Supervisor District I

*Core 3571
Exhibit # 1 (2)*

Lane State #1-Y
SW Section 30-108-34E
Lea County, New Mexico

Gentlemen:

The following information is enclosed pertaining to Monsanto's request for the creation of a new pool and application for discovery allowable for the subject well.

1. Form G-123 - The Creation of a New Pool
2. Form C-109 - Application for Discovery Allowable
3. Production Data, Inbe (Penn) Pool
4. Production Horizon Map
5. Complete suite of logs on the Lane State #1-Y: Gamma Ray-Acoustic, Perme, and Guard.
6. Structure Map contoured on top of Bough "C" formation.
7. West to east cross section: Inbe Pool through the Lane State #1-Y to the Simanola Pool.
8. Copy of Drill Stem Test, Bough "C" formation, Lane State #1-Y.

DOCKET MAILED

Date 5-4-67

The Lane State #1-Y is separated from the Inbe (Penn) Pool by the Hemon State #1 located NE NE Section 35-108-33E, which is dry in the Bough "C". This separation is a result of a trough or low area existing in the Bough "C" formation and is depicted on the attached structure map. Separation from the Simanola Pool is illustrated by the Skelly Blue Quail Unit #1 located SE SW Section 19-108-34E, which was structurally high enough to produce, but was tight (no permeability) in the Bough "C" formation. The operator set pipe, perforated, swabbed the Bough "C" dry, and then plugged and abandoned the well. The attached cross section shows the relationship of the Lane State #1-Y with the Inbe (Penn) and Simanola Pools.

Lane State #1-Y
SW Section 30-102-34E
Lea County, N.M.

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Additional evidence of a new pool existing for the Lane State #1-Y is the difference in bottom hole pressure between the Inbe (Penn) Pool and the subject well. Two operators (Tenneco and K. E. Amini) have indicated the bottom hole pressure in the Inbe (Penn) Pool is presently in the order of 1400-1500 psi, whereas the bottom hole pressure measured on the Lane State #1-Y by drill stem test is 2982 psi.

Based on the foregoing data, Monsanto believes the Lane State #1-Y is producing from a new Rough "C" pool and should be granted a discovery status.

This well is currently being produced by means of a sucker rod pump located at 5000'. Consideration is being given to installing a 4" hydraulic pump at total depth which will be capable of lifting approximately twice the amount of fluid we are presently able to produce with the equipment now on the well. This well's performance is currently being appraised to determine if it is economically feasible to install this larger artificial lift equipment. A decision on installation of this larger equipment will probably be made in the next 30 to 45 days.

Your consideration in this matter will be appreciated. Should you have any questions, please advise.

Yours very truly,

MONSANTO COMPANY

A. W. Wood

A. W. Wood
District Production
Superintendent

AW:PGA:bw
Encl.

cc - MMCCC
P. O. Box 2088
Santa Fe, N.M.

Lane State #1-Y
SW Section 30-108-34E
Los County, N.M.

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Additional evidence of a new pool existing for the Lane State #1-Y is the difference in bottom hole pressure between the Inbe (Penn) Pool and the subject well. Two operators (Tenneco and K.H. Anini) have indicated the bottom hole pressure in the Inbe (Penn) Pool is presently in the order of 1400-1500 psi, whereas the bottom hole pressure measured on the Lane State #1-Y by drill stem test is 2982 psi.

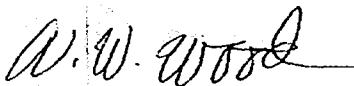
Based on the foregoing data, Monsanto believes the Lane State #1-Y is producing from a new Dough "C" pool and should be granted a discovery status.

This well is currently being produced by means of a sucker rod pump located at 5000'. Consideration is being given to installing a 4" hydraulic pump at total depth which will be capable of lifting approximately twice the amount of fluid we are presently able to produce with the equipment now on the well. This well's performance is currently being appraised to determine if it is economically feasible to install this larger artificial lift equipment. A decision on installation of this larger equipment will probably be made in the next 30 to 45 days.

Your consideration in this matter will be appreciated. Should you have any questions, please advise.

Yours very truly,

MONSANTO COMPANY



A. W. Wood
District Production
Superintendent

AWW:PGA:bw
Encl.

cc - MROCC
P. O. Box 2088
Santa Fe, N.M.

REQUEST FOR THE EXTENSION OF AN EXISTING POOL

OR

THE CREATION OF A NEW POOL *Case 357/*

TO: The Oil Conservation Commission
State of New Mexico

Date March 17, 1967.

The MONSANTO COMPANY Lane State
Name of Operator Name of Lease

1-Y Located 660 feet from the South line and 760 feet
Well No.

from the West line of 30 10S 34E
Section Township Range

is outside the boundaries of any pool producing from the same formation. On the basis of the information submitted here-
with on form C-105, we hereby request that the

pool be extended to include the following described area

or that a new pool be created to include the following described area Section 30-10S-34E,

SE/4 Sec. 25-10S-33E, NE/4 Sec. 36-10S-33E

Suggested name: East Inbe

MONSANTO COMPANY
Operator

Name of Producing Formation: Penn

(Bough "C")

D. W. Wood
Representative

NEW MEXICO OIL CONSERVATION COMMISSION

Adopted 7-1-59

APPLICATION FOR DISCOVERY ALLOWABLE AND CREATION OF A NEW POOL

Note: This form is to be filed and attachments made in accordance with the provisions of Rule 509. If discovery is claimed for more than one zone, separate forms must be filed for each.

Case 3571

OPERATOR NOBANTO COMPANY		ADDRESS 101 W. Marlenfeld, Midland, Texas	
LEASE NAME LANE STATE		WELL NO. 1-Y	COUNTY LEA
WELL LOCATION UNIT LETTER H ; WELL IS LOCATED 660 FEET FROM THE 8 LINE AND 760 FEET FROM THE W LINE OF SECTION 30 , TOWNSHIP 10S , RANGE 34E , NMPM			
SUGGESTED POOL NAME (List in order of preference) 1. East Inbe (Pena) 2. East Lane (Pena) 3.			
NAME OF PRODUCING FORMATION Bough "C"		PERFORATIONS 10,002-14'	DATE OF FILING FORM G-104 1-31-67
WAS "AFFIDAVIT OF DISCOVERY" PREVIOUSLY FILED FOR THIS WELL IN THIS POOL? NO		IF YES, GIVE DATE OF FILING 11-30-66	DATE WELL WAS SPUNDED 1-25-67
TOTAL DEPTH 10,000'	PLUGGED BACK DEPTH 10,043'	DEPTH CASING SHOE 10,070'	TUBING DEPTH 5000'
ELEVATION (State whether: Gr., DF, RKB, RT, etc.) 4253' RKB			
OIL WELL POTENTIAL (TEST TO BE TAKEN ONLY AFTER ALL LOAD OIL HAS BEEN RECOVERED) 30 BBLs, OIL PER DAY BASED ON 60 BBLs IN 24 HOURS; 402 BBLs WATER PER DAY BASED ON 402 BBLs			
IN 24 HOURS: GAS PRODUCTION DURING TEST: 106		GAS-OIL RATIO: 1770	METHOD OF PRODUCING: Pump CHK. SIZE --

NEAREST PRODUCTION TO THIS DISCOVERY (INCLUDES PAST AND PRESENT OIL OR GAS PRODUCING AREAS AND ZONES WHETHER THIS DISCOVERY IS BASED ON HORIZONTAL OR VERTICAL SEPARATION):

POOL NAME Inbe (Pena)	NAME OF PRODUCING INFOR. Bough "C"	TOP OF PAY 10,000'	BOTTOM OF PAY 10,035'	CURRENTLY PRODUCING? YES
HORIZONTAL DISTANCE AND DIRECTION FROM SUBJECT DISCOVERY WELL TO THE NEAREST WELL IN THIS POOL NO OTHER WELL		VERTICAL DISTANCE FROM SUBJECT DISCOVERY ZONE TO PRODUCING INTERVAL THIS POOL NO OTHER WELL		
NEAREST COMPARABLE PRODUCTION (INCLUDES PAST AND PRESENT OIL OR GAS PRODUCTION FROM THIS PAY OR FORMATION ONLY):				
POOL NAME Inbe (Pena)	TOP OF PAY 9725'	BOTTOM OF PAY 9755'	CURRENTLY PRODUCING? YES	
HORIZONTAL DISTANCE AND DIRECTION FROM SUBJECT DISCOVERY WELL TO THE NEAREST WELL IN THIS COMPARABLE POOL 6900' West				

IS "COUNTY DEEP" DISCOVERY ALLOWABLE REQUESTED FOR SUBJECT DISCOVERY WELL? NO	IF YES, GIVE NAME, LOCATION, AND DEPTH OF NEXT DEEPEST OIL PRODUCTION IN THIS COUNTY 4002'
--	--

IS THE SUBJECT WELL A MULTIPLE COMPLETION? NO
--

OPERATORS OF:
J. I. O'Neill, Jr.
Del Lee, et al
Allied Chemical Corp.
Texas Pacific Oil Co.
K. K. Amial
Texaco, Inc.
Union Texas Petroleum Corp.

410 West Ohio, Midland, Texas
205 N. Linn, Hobbs, New Mexico
Wilco Building, Midland, Texas
P. O. Box 4067, Midland, Texas
1st Savings Bldg., Midland, Texas
Midland Savings Bldg., Midland, Texas
1300 Wilco Bldg., Midland, Texas

NEW MEXICO OIL CONSERVATION COMMISSION

Adopted 1-1-66

APPLICATION FOR DISCOVERY ALLOWABLE AND CREATION OF A NEW POOL

Note: This form is to be filed and attachments made in accordance with the provisions of Rule 569. If discovery is claimed for more than one zone, separate forms must be filed for each.

Case 3571

OPERATOR MORRANTO COMPANY		ADDRESS 101 N. Maricofield, Midland, Texas	
LEASE NAME LANE STATE		WELL NO. 1-7	COUNTY LEA
WELL LOCATION UNIT LETTER M ; WELL IS LOCATED 660 FEET FROM THE S LINE AND 760 FEET FROM THE W LINE OF SECTION 30 , TOWNSHIP 10S , RANGE 34E , NMPM			
SUGGESTED POOL NAME (List in order of preference) 1. East Lane (Perm) 2. East Lane (Perm) 3.			
NAME OF PRODUCING FORMATION Bough "C"		PERFORATIONS 10,002-14'	DATE OF FILING FORM C-104 1-31-67
WAS "AFFIDAVIT OF DISCOVERY" PREVIOUSLY FILED FOR THIS WELL IN THIS POOL? NO		IF YES, GIVE DATE OF FILING 11-30-66	DATE WELL WAS SPUDDED 1-23-67
TOTAL DEPTH 10,000'	PLUGGED BACK DEPTH 10,043'	DEPTH CASING SHOE 10,070'	TUBING DEPTH 5000'
ELEVATION (State whether Cr., DF, RKB, RT, etc.) 4253' RKB			
OIL WELL POTENTIAL (TEST TO BE TAKEN ONLY AFTER ALL LOAD OIL HAS BEEN RECOVERED) 60 BBLs, OIL PER DAY BASED ON 60 BBLs IN 24 HOURS; 402 BBLs WATER PER DAY BASED ON 402 BBLs IN 24 HOURS; GAS PRODUCTION DURING TEST: 106 MCF; RATIO: 1770 METHOD OF PRODUCING: Pump CHK. SIZE: --			
NEAREST PRODUCTION TO THIS DISCOVERY (INCLUDES PAST AND PRESENT OIL OR GAS PRODUCING AREAS AND ZONES WHETHER THIS DISCOVERY IS BASED ON HORIZONTAL OR VERTICAL SEPARATION):			
POOL NAME Lane (Perm)	NAME OF PRODUCING INFOR. Bough "C"	TOP OF PAY 10,000'	BOTTOM OF PAY 10,035'
HORIZONTAL DISTANCE AND DIRECTION FROM SUBJECT DISCOVERY WELL TO THE NEAREST WELL IN THIS POOL NO OTHER WELL		VERTICAL DISTANCE FROM SUBJECT DISCOVERY ZONE TO PRODUCING INTERVAL THIS POOL NO OTHER WELL	
NEAREST COMPARABLE PRODUCTION (INCLUDES PAST AND PRESENT OIL OR GAS PRODUCTION FROM THIS PAY OR FORMATION ONLY):			
POOL NAME Lane (Perm)	TOP OF PAY 9725'	BOTTOM OF PAY 9755'	CURRENTLY PRODUCING? YES
HORIZONTAL DISTANCE AND DIRECTION FROM SUBJECT DISCOVERY WELL TO THE NEAREST WELL IN THIS COMPARABLE POOL 6900' West			

IS "COUNTY DEEP" DISCOVERY ALLOWABLE REQUESTED FOR SUBJECT DISCOVERY WELL? NO	IF YES, GIVE NAME, LOCATION, AND DEPTH OF NEXT DEEPEST OIL PRODUCTION IN THIS COUNTY
---	--

IS THE SUBJECT WELL A MULTIPLE COMPLETION? NO	IS DISCOVERY ALLOWABLE BEING REQUESTED FOR ANY OTHER ZONE(S)? NO	IF YES, NAME ALL SUCH FORMATIONS 10002 50010
---	--	--

LIST ALL OPERATORS OWNING LEASES WITHIN ONE MILE OF THIS WELL (ATTACH ADDITIONAL SHEET IF NECESSARY)

NAME	ADDRESS
Sinclair Oil & Gas Company	P. O. Box 1470, Midland, Texas
Southland Royalty Company	14th Floor, Wilco Bldg., Midland, Texas
U. S. Smelting, Refining & Mining Co.	9th Floor, Wilco Bldg., Midland, Texas
Southern Minerals Corporation	323 W. Missouri, Midland, Texas
Cabot Corporation	1206 Wilco Bldg., Midland, Texas
Union Oil Company of California	300 Security Bank Bldg., Roswell, N.M.
Max H. Christensen	Petroleum Life Bldg., Midland, Texas

(CONTINUED ON REVERSE SIDE)

ATTACH EVIDENCE THAT ALL OF THE ABOVE OPERATORS HAVE BEEN FURNISHED A COPY OF THIS APPLICATION. ANY OF SAID OPERATORS WHO INTENDS TO OBJECT TO THE DESIGNATION OF THE SUBJECT WELL AS A DISCOVERY WELL ELIGIBLE TO RECEIVE A DISCOVERY ALLOWABLE MUST NOTIFY THE APPROPRIATE DISTRICT OFFICE AND THE SANTA FE OFFICE OF THE COMMISSION OF SUCH INTENT IN WRITING WITHIN TEN DAYS AFTER RECEIVING A COPY OF THIS APPLICATION.

REMARKS:

CERTIFICATION

I HEREBY CERTIFY THAT ALL RULES AND REGULATIONS OF THE NEW MEXICO OIL CONSERVATION COMMISSION HAVE BEEN COMPLIED WITH RESPECT TO THE SUBJECT WELL, AND THAT IT IS MY OPINION THAT A BONA FIDE DISCOVERY OF A HITHERTO UNKNOWN COMMON SOURCE OF OIL SUPPLY HAS BEEN MADE IN SAID WELL. I FURTHER CERTIFY THAT THE DISCOVERY ALLOWABLE FOR THE SUBJECT WELL, IF AUTHORIZED, WILL BE PRODUCED FROM THE SUBJECT ZONE IN THIS WELL ONLY.

A. W. Wood, District Production Supt.

Date: 3-22-67

J. I. O'Neill, Jr.
Del Lee, et al
Allied Chemical Corp.
Texas Pacific Oil Co.
K. K. Amini
Texaco, Inc.
Union Texas Petroleum Corp.

410 West Ohio, Midland, Texas
205 N. Linam, Hobbs, New Mexico
Wilco Building, Midland, Texas
P. O. Box 4067, Midland, Texas
1st Savings Bldg., Midland, Texas
Midland Savings Bldg., Midland, Texas
1300 Wilco Bldg., Midland, Texas

SURFACE INFORMATION			
Description (Rate of Flow)	Time	Pressure (P.S.I.G.)	Surface Choke
Opened Tool STRONG BLOW	0832	-	-
GAS TO SURFACE	0836	-	-
CLOSED FOR INITIAL SHUT-IN	0842	-	-
FINISHED SHUT-IN	0942	-	-
RE-OPENED TOOL	0943	-	-
GOOD BLOW OF GAS			
GOOD BLOW OF GAS	1000	36	1/2"
MUD TO SURFACE	1020	-	"
WATER AND OIL CUT MUD	1040	-	"
WATER AND MUD CUT OIL	1045	20-60	1"
50% OIL, 30% WATER, AND 20% MUD	1100	70	"
CLOSED FOR FINAL SHUT-IN	1120	-	"
FINISHED SHUT-IN	1332	-	"
PULLED PACKER LOOSE	1347	-	"
MAXIMUM GAS RATE MEASURED AT 1000 ON 1/2" CHOKE = 270 MCF/DAY			

Cushion Type	Amount	Pressure	Bottom Choke Size
-	-	-	7/8"

MUD DATA			
Mud Type	SALT WATER	Wt.	9.7
Viscosity	54	Water Loss	8.4 C.C.
Resist: of Mud	.13 @ 70 °F;	of Filtrate	.10 @ 70 °F
Chloride Content	85000		PPM

EQUIPMENT & HOLE DATA	
Type Test	M. F. E. STRADDLE
Formation Tested	BOUGH "G"
Elevation	4253 Ft.
Net Productive Interval	8 Ft.
Estimated Porosity	11 %
All Depths Measured From	KELLY BUSHING
Total Depth	10080 Ft.
Main Hole/Casing Size	7 7/8"
Rat Hole/Liner Size	-

EQUIPMENT SEQUENCE		
COMPONENTS	Size/Type	Depth/Length/I.D.
DRILL PIPE	4" FH	9430'/3.27'
DRILL COLLARS	5" H-90	386'/2.5"
CIRCULATING SUB	5" 80	
DRILL COLLARS	5" H-90	120'/2.5"
MULTI-FLOW EVALUATOR	3 1/2"	
BY-PASS VALVE	3 1/2" MFE	
RECORDER CARRIER	3 1/2" T	6'
RECORDER CARRIER	3 1/2" J	6'
JARS	3 1/2" HS-1	
SAFETY JOINT	3 1/2" HOMCO	
SAFETY SEAL	3 1/2" FH	
903-TAIL PACKER	6 3/4"	9969'
908-TAIL PACKER	6 3/4"	9975'
PERF. ANCHOR	5 1/2" HVY	26'
DRILL COLLAR	6 1/2" H-90	29'/2.5"
908-TAIL PACKER	6 3/4"	10030'
908-TAIL PACKER	6 3/4"	10036'
DRILL COLLAR	5" H-90	30'/2.5"
PERF. ANCHOR	5 1/2" HVY	8'
BULL PLUG	5 1/2" FH	6'

RECOVERY DESCRIPTION	FEET	BARRELS	% OIL	% WATER	% OTHERS	API GRAVITY	RESISTIVITY	CHL. PPM
REVERSED OUT:						@ °F.	@ °F.	
WATER CUT OIL	2400	24.48	73			45.5 @ 60 °F.	@ °F.	
SALT WATER	1400	12.21				@ °F.	.09 @ 80 °F.	50000
RECOVERED BELOW CIRCULATING SUB:						@ °F.	@ °F.	
SALT WATER	120	.73				@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	

Remarks: _____

Address		FIRST SAVINGS AND LOAN BUILDING; MIDLAND, TEXAS	
Company	MONSANTO COMPANY	Field	S. LANE
Well	LANE STATE #1-Y	Location	660 FSL 760 FWL SEC. 30-T10S-R34E
Test Interval	9975' TO 10030'	Test #	3
		Date	1-9-67
County	LEA	State	NEW MEXICO
Technician	KIRKMAN (HOBBS)	Test Approved By	MR. C. K. REEVES
		Field Report No.	01974 B
		No. Reports Requested	13(6 x's)



MULTI-FLOW EVALUATOR
FLUID SAMPLE REPORT

Date 1-9-67 Field Report No. 01974 B
Company MONSANTO COMPANY
Well LANE STATE #1-Y Field S. LANE
County LEA State NEW MEXICO
Test Interval 9975' To 10030' Test No. 3
Type of Test M. F. E. STRADDLE Recovery Description SEE RECOVERY DATA ON
SURFACE INFORMATION SHEET

Bot. Hole Temp. 164 °F.

Recorded Pressures: ISI * 2982 psig.
SSI - psig.
FF 2831 psig.
FSI 2987 psig.

*Shut-in Pressure did not reach static reservoir pressure.

EVALUATOR SAMPLER UNIT

Sample Drained: ☒ On Location ☐ Service Center ☐ Other _____
☐ Laboratory Name _____
Address _____

Sampler Pressure 1700 psig. at Surface

Recovery: Cu. Ft. Gas 7.90
cc. Oil 880
cc. Water 860
cc. Mud -
Total Liquid cc. 1740

Gravity - °API - °F.
Gas/Oil Ratio 1427 CU.FT./BBL.

RESISTIVITY

CHLORIDE CONTENT

Recovery Water	<u>.09</u>	@	<u>80</u>	°F.	<u>50000</u>	ppm.
Recovery Mud	<u>-</u>	@	<u>-</u>	°F.		
Recovery Mud Filtrate	<u>-</u>	@	<u>-</u>	°F.		
Mud Pit Sample	<u>.13</u>	@	<u>70</u>	°F.		
Mud Pit Sample Filtrate	<u>.10</u>	@	<u>70</u>	°F.	<u>85000</u>	ppm.

Remarks _____



PRESSURE DATA

Field Report No. 01974 B

TIME DATA

Time Given	Time Computed
60 Mins.	59 Mins.
10 Mins.	11 Mins.
- Mins.	- Mins.
- Mins.	- Mins.
97 Mins.	98 Mins.
132 Mins.	131 Mins.

Clock Travel 0.02087 inches per min.

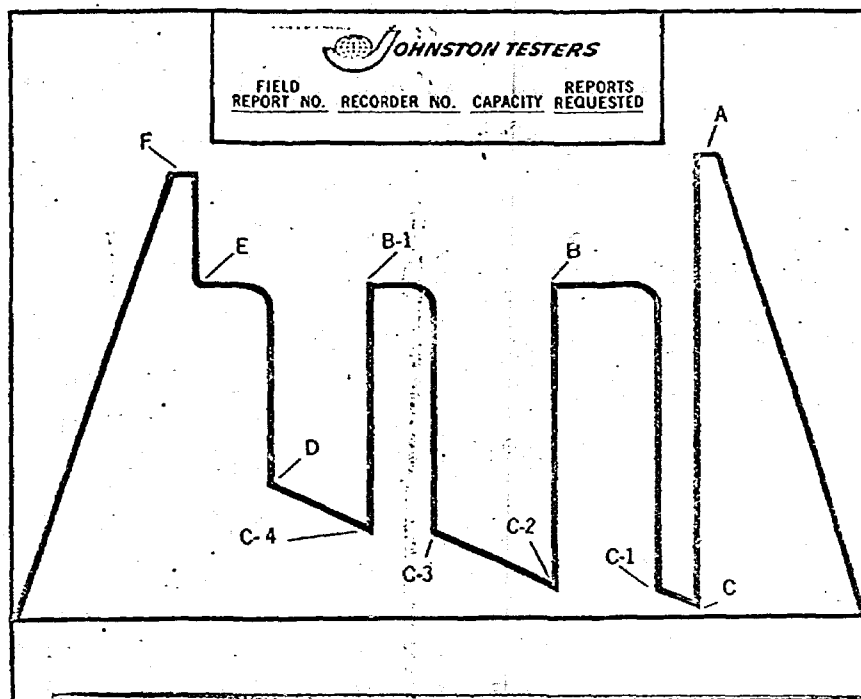
* Shut in pressure did not reach static reservoir pressure.

PRESSURE INCREMENTS

FINAL SHUT-IN

PRESSURE INCREMENTS						FINAL SHUT-IN			
INITIAL SHUT-IN			Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	
Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$							
C-1	0	1727				D	0	2831	11.900
	5	2937	3.200				10	2942	6.450
	10	2953	2.100				20	2953	4.633
	15	2962	1.733				30	2961	3.725
	20	2967	1.550				40	2967	3.180
	25	2971	1.440				50	2972	2.816
	30	2975	1.367				60	2979	2.557
	35	2976	1.314				70	2981	2.362
	40	2977	1.275				80	2984	2.211
	45	2979	1.244				90	2986	2.090
	50	2980	1.220				100	2987	1.990
	55	2981	1.200				110	2987	1.908
							120	2987	1.838
							130	2987	1.832
B	59	2982	1.186			E	131	2987	

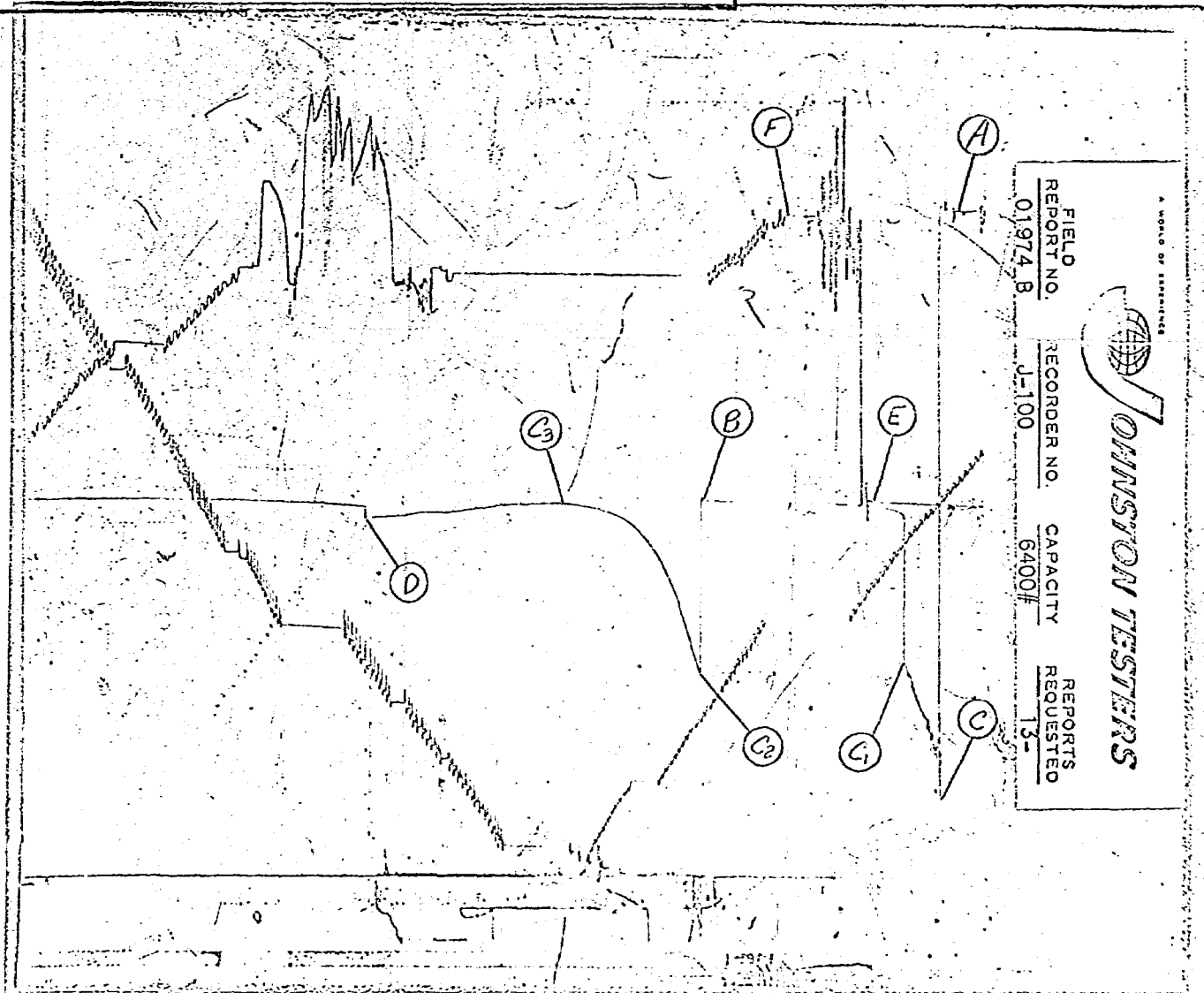
GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



- A. Initial Hyd. Mud
- B. Initial Shut-in
- C. Initial Flow
- D. Final Flow
- E. Final Shut-in
- F. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings, (testing different zones).

- A-1, A-2, A-3, etc. Initial Hyd. Pressures
- B-1, B-2, B-3, etc. Subsequent Shut-in Pressures
- C-1, C-2, C-3, etc. Flowing Pressures
- D-1, D-2, D-3, etc. Subsequent Final Flow Pressures
- E-1, E-2, E-3, etc. Subsequent Final Shut-in Pressures
- F-1, F-2, F-3, etc. Final Hyd. Mud Pressures
- Z — Special pressure points such as pumping pressure recorded for formation breakdown.



ACUM. IN
1-1-56

WEL
INT. 3-1-56 JAN. FEB. MAR. APRIL MAY JUNE JULY AUG. SEPT. OCT. NOV. DEC. 1955
+OIL
C-243
WATER
TOTALS
N
ACUM. TO
1-1-56

HUPE QUEEN CTO

16373
27909
99134

HUPE QUEEN TEST FACTOR 0 TO 3M

CON OIL PROPERTIES

101 118 00 7 89 43

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326 118 00 7 89 43

327 118 00 7 89 43

328 118 00 7 89 43

329 118 00 7 89 43

330 118 00 7 89 43

331 118 00 7 89

[illegible]

No. 072256

SENT TO		POSTMARK OR DATE
Southland Royalty Company		3-23-67
STREET AND NO.		
14th Floor - Wilco Building		
P. O., STATE, AND ZIP CODE		
Midland, Texas		
EXTRA SERVICES FOR ADDITIONAL FEES		
Shows to whom and date delivered	Shows to whom, date, and where delivered	Deliver to Addressee Only
☐ 10¢ fee	☐ 35¢ fee	☐ 50¢ fee
POD Form 3800 NO INSURANCE COVERAGE PROVIDED— (See other side) Mar. 1955 NOT FOR INTERNATIONAL MAIL		

No. 072254

SENT TO		POSTMARK OR DATE
Sinclair Oil & Gas Company		3-23-67
STREET AND NO.		
P. O. Box 1470		
P. O., STATE, AND ZIP CODE		
Midland, Texas		
EXTRA SERVICES FOR ADDITIONAL FEES		
Shows to whom and date delivered	Shows to whom, date, and where delivered	Deliver to Addressee Only
☐ 10¢ fee	☐ 35¢ fee	☐ 50¢ fee
POD Form 3800 NO INSURANCE COVERAGE PROVIDED— (See other side) Mar. 1955 NOT FOR INTERNATIONAL MAIL		

No. 072257

SENT TO		POSTMARK OR DATE
U.S. Smelting Refining & Mining		3-23-67
STREET AND NO.		
9th Floor - Wilco Building		
P. O., STATE, AND ZIP CODE		
Midland, Texas		
EXTRA SERVICES FOR ADDITIONAL FEES		
Shows to whom and date delivered	Shows to whom, date, and where delivered	Deliver to Addressee Only
☐ 10¢ fee	☐ 35¢ fee	☐ 50¢ fee
POD Form 3800 NO INSURANCE COVERAGE PROVIDED— (See other side) Mar. 1955 NOT FOR INTERNATIONAL MAIL		

No. 072258

SENT TO		POSTMARK OR DATE
Southern Minerals Corporation		3-23-67
STREET AND NO.		
323 W. Missouri		
P. O., STATE, AND ZIP CODE		
Midland, Texas		
EXTRA SERVICES FOR ADDITIONAL FEES		
Shows to whom and date delivered	Shows to whom, date, and where delivered	Deliver to Addressee Only
☐ 10¢ fee	☐ 35¢ fee	☐ 50¢ fee
POD Form 3800 NO INSURANCE COVERAGE PROVIDED— (See other side) Mar. 1955 NOT FOR INTERNATIONAL MAIL		

No. 072261

SENT TO		POSTMARK OR DATE
Cabot Corporation		3-23-67
STREET AND NO.		
1206 Wilco Building		
P. O., STATE, AND ZIP CODE		
Midland, Texas		
EXTRA SERVICES FOR ADDITIONAL FEES		
Shows to whom and date delivered	Shows to whom, date, and where delivered	Deliver to Addressee Only
☐ 10¢ fee	☐ 35¢ fee	☐ 50¢ fee
POD Form 3800 NO INSURANCE COVERAGE PROVIDED— (See other side) Mar. 1955 NOT FOR INTERNATIONAL MAIL		

No. 072262

SENT TO		POSTMARK OR DATE
Union Oil Co. of California		3-23-67
STREET AND NO.		
300 Security Bldg. Midl.		
P. O., STATE, AND ZIP CODE		
Midland, Texas		
EXTRA SERVICES FOR ADDITIONAL FEES		
Shows to whom and date delivered	Shows to whom, date, and where delivered	Deliver to Addressee Only
☐ 10¢ fee	☐ 35¢ fee	☐ 50¢ fee
POD Form 3800 NO INSURANCE COVERAGE PROVIDED— (See other side) Mar. 1955 NOT FOR INTERNATIONAL MAIL		

No. 072263

SENT TO		POSTMARK OR DATE
Max H. Christenson		3-23-67
STREET AND NO.		
300 Security Bldg. Midl.		
P. O., STATE, AND ZIP CODE		
Midland, Texas		
EXTRA SERVICES FOR ADDITIONAL FEES		
Shows to whom and date delivered	Shows to whom, date, and where delivered	Deliver to Addressee Only
☐ 10¢ fee	☐ 35¢ fee	☐ 50¢ fee
POD Form 3800 NO INSURANCE COVERAGE PROVIDED— (See other side) Mar. 1955 NOT FOR INTERNATIONAL MAIL		

Case 3571

No. 072270

RECEIPT FOR CERTIFIED MAIL—30¢		POSTMARK OR DATE
SENT TO UNION TEXAS PETROLEUM CORPORATION		3-23-67
STREET AND NO. 1300 Wilco Building		
P. O., STATE, AND ZIP CODE Midland, Texas		
EXTRA SERVICES FOR ADDITIONAL FEES		
Return Receipt Shows to whom and date delivered ☐ 10¢ fee	Shows to whom, date, and where delivered ☐ 35¢ fee	Deliver to Addressee Only ☐ 50¢ fee
PS Form 3800 NO INSURANCE COVERAGE PROVIDED— (See other side) Mar. 1955 NOT FOR INTERNATIONAL MAIL		

No. 072269

RECEIPT FOR CERTIFIED MAIL—30¢		POSTMARK OR DATE
SENT TO TEXACO, INC.		3-23-67
STREET AND NO. Midland Savings Building		
P. O., STATE, AND ZIP CODE Midland, Texas		
EXTRA SERVICES FOR ADDITIONAL FEES		
Return Receipt Shows to whom and date delivered ☐ 10¢ fee	Shows to whom, date, and where delivered ☐ 35¢ fee	Deliver to Addressee Only ☐ 50¢ fee
PS Form 3800 NO INSURANCE COVERAGE PROVIDED— (See other side) Mar. 1955 NOT FOR INTERNATIONAL MAIL		

No. 072268

RECEIPT FOR CERTIFIED MAIL—30¢		POSTMARK OR DATE
SENT TO K K AMINI		3-23-67
STREET AND NO. 1st Savings Building		
P. O., STATE, AND ZIP CODE Midland, Texas		
EXTRA SERVICES FOR ADDITIONAL FEES		
Return Receipt Shows to whom and date delivered ☐ 10¢ fee	Shows to whom, date, and where delivered ☐ 35¢ fee	Deliver to Addressee Only ☐ 50¢ fee
PS Form 3800 NO INSURANCE COVERAGE PROVIDED— (See other side) Mar. 1955 NOT FOR INTERNATIONAL MAIL		

No. 072267

RECEIPT FOR CERTIFIED MAIL—30¢		POSTMARK OR DATE
SENT TO TEXAS PACIFIC OIL COMPANY		3-23-67
STREET AND NO. P. O. Box 4067		
P. O., STATE, AND ZIP CODE Midland, Texas		
EXTRA SERVICES FOR ADDITIONAL FEES		
Return Receipt Shows to whom and date delivered ☐ 10¢ fee	Shows to whom, date, and where delivered ☐ 35¢ fee	Deliver to Addressee Only ☐ 50¢ fee
PS Form 3800 NO INSURANCE COVERAGE PROVIDED— (See other side) Mar. 1955 NOT FOR INTERNATIONAL MAIL		

No. 072266

RECEIPT FOR CERTIFIED MAIL—30¢		POSTMARK OR DATE
SENT TO ALLIED CHEMICAL CORPORATION		3-23-67
STREET AND NO. Wilco Building		
P. O., STATE, AND ZIP CODE Midland, Texas		
EXTRA SERVICES FOR ADDITIONAL FEES		
Return Receipt Shows to whom and date delivered ☐ 10¢ fee	Shows to whom, date, and where delivered ☐ 35¢ fee	Deliver to Addressee Only ☐ 50¢ fee
PS Form 3800 NO INSURANCE COVERAGE PROVIDED— (See other side) Mar. 1955 NOT FOR INTERNATIONAL MAIL		

No. 072265

RECEIPT FOR CERTIFIED MAIL—30¢		POSTMARK OR DATE
SENT TO DGL TRN, et al		3-23-67
STREET AND NO. 205 N. Tenth		
P. O., STATE, AND ZIP CODE Hobbs, New Mexico		
EXTRA SERVICES FOR ADDITIONAL FEES		
Return Receipt Shows to whom and date delivered ☐ 10¢ fee	Shows to whom, date, and where delivered ☐ 35¢ fee	Deliver to Addressee Only ☐ 50¢ fee
(See other side)		

No. 072264

RECEIPT FOR CERTIFIED MAIL—30¢		POSTMARK OR DATE
SENT TO J. I. O'Neill, Jr.		3-23-67
STREET AND NO. 410 W. Ohio		
P. O., STATE, AND ZIP CODE Midland, Texas		
EXTRA SERVICES FOR ADDITIONAL FEES		
Return Receipt Shows to whom and date delivered ☐ 10¢ fee	Shows to whom, date, and where delivered ☐ 35¢ fee	Deliver to Addressee Only ☐ 50¢ fee
(See other side)		

CASE 3571: (a) CREATION OF A NEW OIL POOL

COUNTY LEA POOL EAST INBE-PENNSYLVANIAN

TOWNSHIP	10 South	RANGE	34 East	NMPM	
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

PURPOSE: One completed oil well capable of producing.

MONSANTO COMPANY - Lane State #1-Y in Unit M of Section 30-10-34. Completed in Cisco (Bough C) on January 14, 1967. Top of Perforations 10,002'.

Proposed pool boundary colored in red. SECTION 30: SW/4

Case 3571

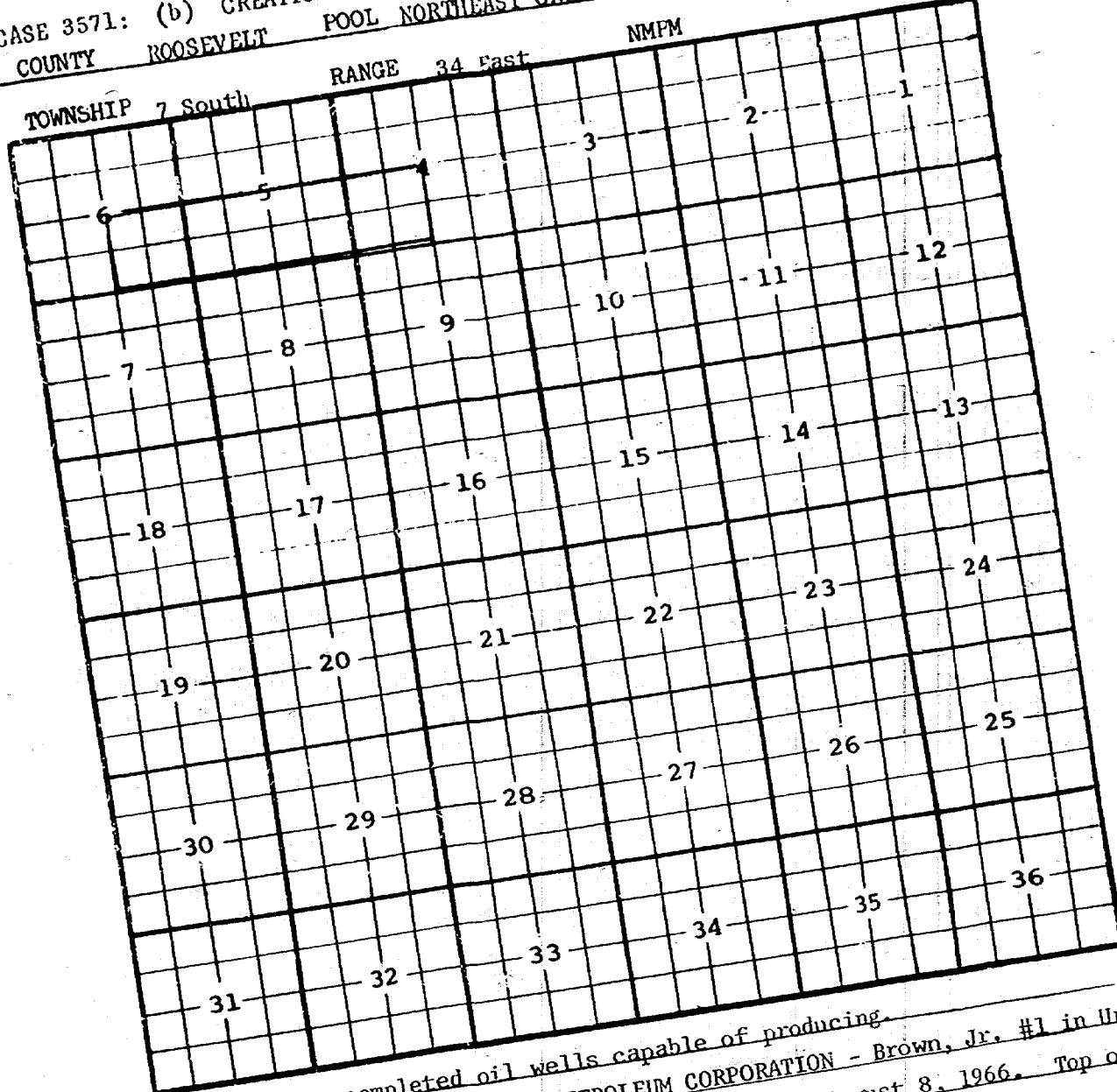
Southeast New Mexico

Notarization

Exhibit #1

pp 2 through 4

CASE 3571: (b) CREATION OF A NEW OIL POOL
COUNTY ROOSEVELT POOL NORTHEAST CHAVEROO-SAN ANDRES



PURPOSE: Two completed oil wells capable of producing.
DISCOVERY WELL--PAN AMERICAN PETROLEUM CORPORATION - Brown, Jr. #1 in Unit
L of Section 4-7-34. Completed in San Andres on August 8, 1966. Top of
Perforations 4133'.
PAN AMERICAN PETROLEUM CORPORATION - Brown, Jr. #2 in Unit P of Section
6-7-34. Completed in San Andres on November 1, 1966. Top of Perforations
4083'.
Proposed pool boundary colored in red. SECTION 4: SW/4
SECTION 5: S/2
SECTION 6: SE/4

CASE 3571: (c) CREATION OF A NEW GAS POOL

COUNTY EDDY

POOL SPRINGS - UPPER PENNSYLVANIAN GAS

TOWNSHIP 20S

RANGE 26E

NMPM

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Purpose: One completed gas well capable of producing.

Discovery Well: Gulf Oil Corporation, Springs Unit No. 1
in Unit G of Section 34-20-26. Completed in Upper
Pennsylvanian December 6, 1966, through perforations
8004 to 8062.

Proposed pool boundary colored in green.

Section 34: N/2

CASE 3571: (d) EXTENSION OF AN EXISTING OIL POOL

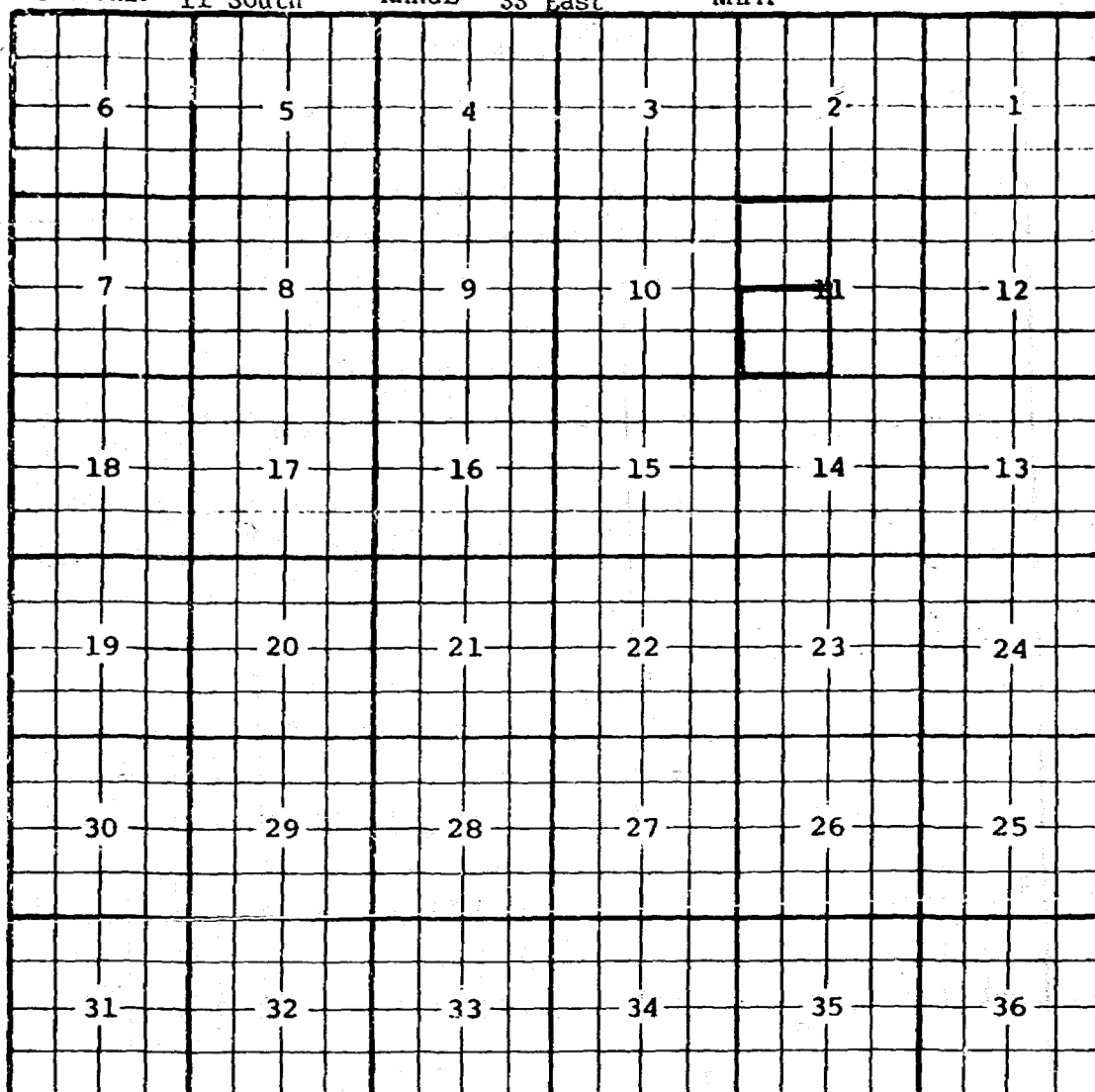
COUNTY LEA

POOL NORTHEAST BAGLEY-WOLFCAMP

TOWNSHIP 11 South

RANGE 33 East

NMPM



PURPOSE: One completed oil well capable of producing.

SUNSET INTERNATIONAL PETROLEUM CORPORATION - T. P. State #1 in Unit L of
Section 11-11-33. Completed in Wolfcamp on December 22, 1966. Top of
Perforations 8805'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 11: SW/4

CASE 3571: (e) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

COUNTY	CHAVES	POOL	CHAUEROO-SAN ANDRES		
TOWNSHIP	8 South	RANGE	32 East	NMPM	
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

PURPOSE: Four completed oil wells capable of producing.

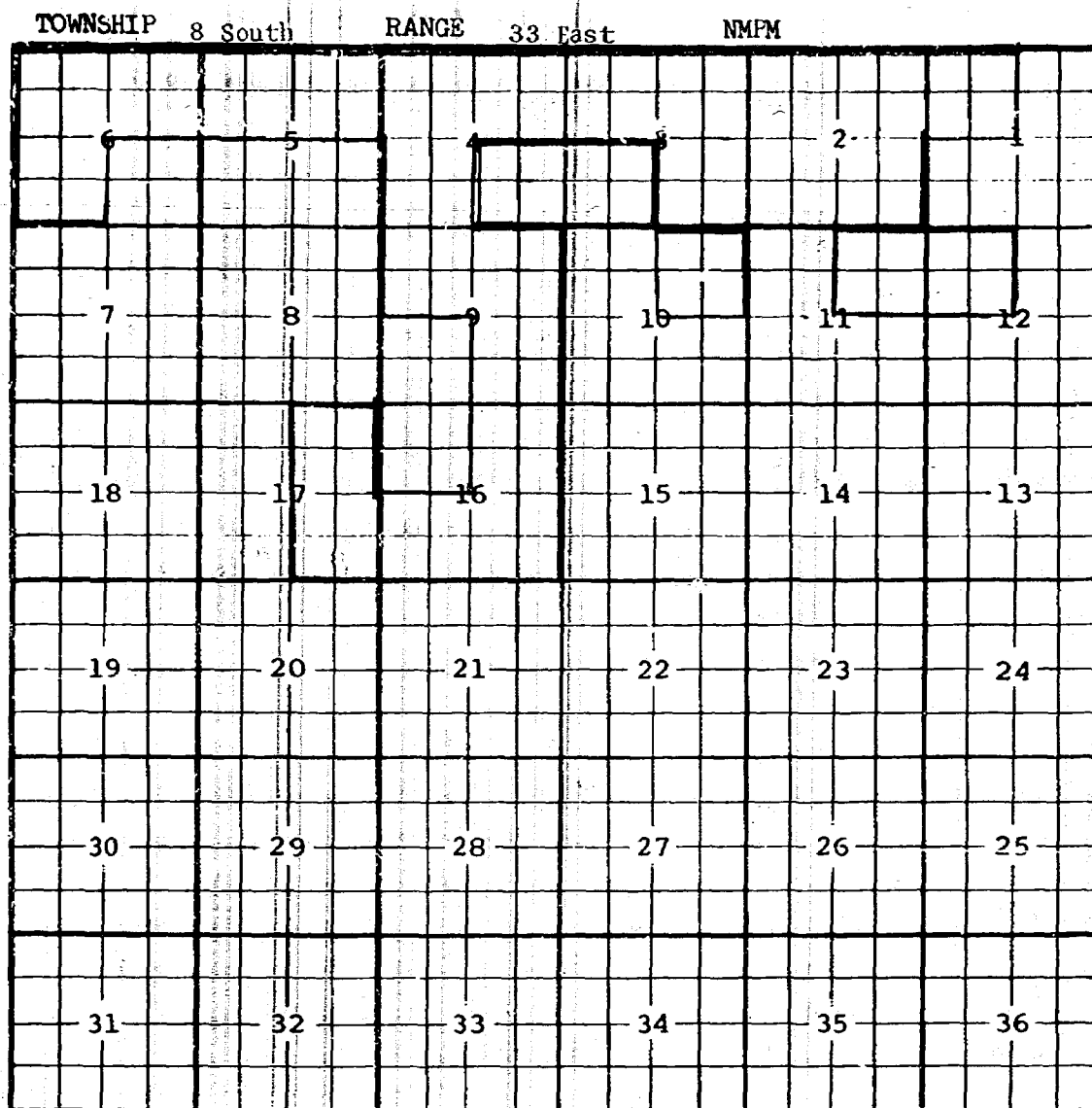
CHAMPLIN PETROLEUM COMPANY - Signal "A" State #1 in Unit P of Section 2-8-32. Completed in San Andres on March 16, 1967. Top of Perforations 4285'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 2: E/2

CASE 3571: (e) EXTENSION OF AN EXISTING OIL POOL (Continued)

COUNTY CHAVES POOL CHAVEROO--SAN ANDRES



PURPOSE: As stated on preceding page, paragraph (e), Exhibit I.

SUNRAY DX OIL COMPANY - New Mexico X Federal #1 in Unit A of Section 10-8-33.

Completed in San Andres on February 16, 1967. Top of Perforations 4340'.

SUNRAY DX OIL COMPANY - New Mexico "X" Federal #2 in Unit H of Section 10-

8-33. Completed in San Andres on April 26, 1967. Top of Perforations

4340'.

AMERICAN TRADING & PRODUCING COMPANY - C. H. Hale #1 in Unit B of Section

11-8-33. Completed in San Andres on March 16, 1967. Top of Perforations

4261'.

ADDITION--JACK L. McCLELLAN - Klepfer State #1 in Unit D of Section 12-8-33.

Completed in San Andres on April 2, 1967. Top of Perforations

4292'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 10: SW/4

SECTION 11: SE/4

SECTION 10: NE/4

SECTION 11: NE/4

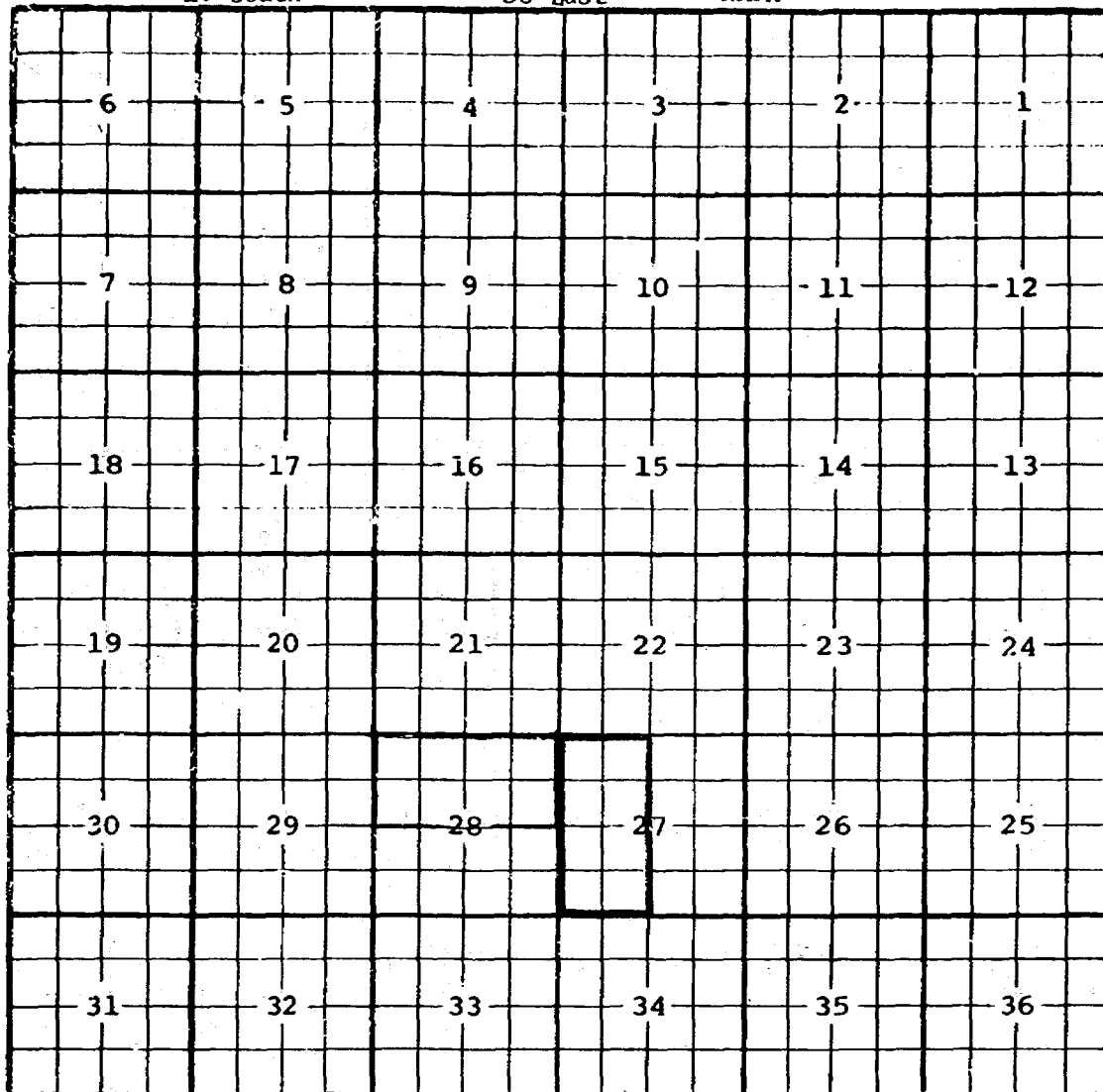
ADDITION--

SECTION 12: NW/4

CASE 3571: (f) EXTENSION OF AN EXISTING GAS POOL

COUNTY LEA POOL SOUTH CORBIN-MORROW GAS

TOWNSHIP 18 South RANGE 33 East NMPM



PURPOSE: One completed gas well capable of producing.

AZTEC OIL & GAS COMPANY - Federal M #1 in Unit L of Section 27-18-33.

Completed in Morrow on January 25, 1967. Top of Perforations 13,138'.

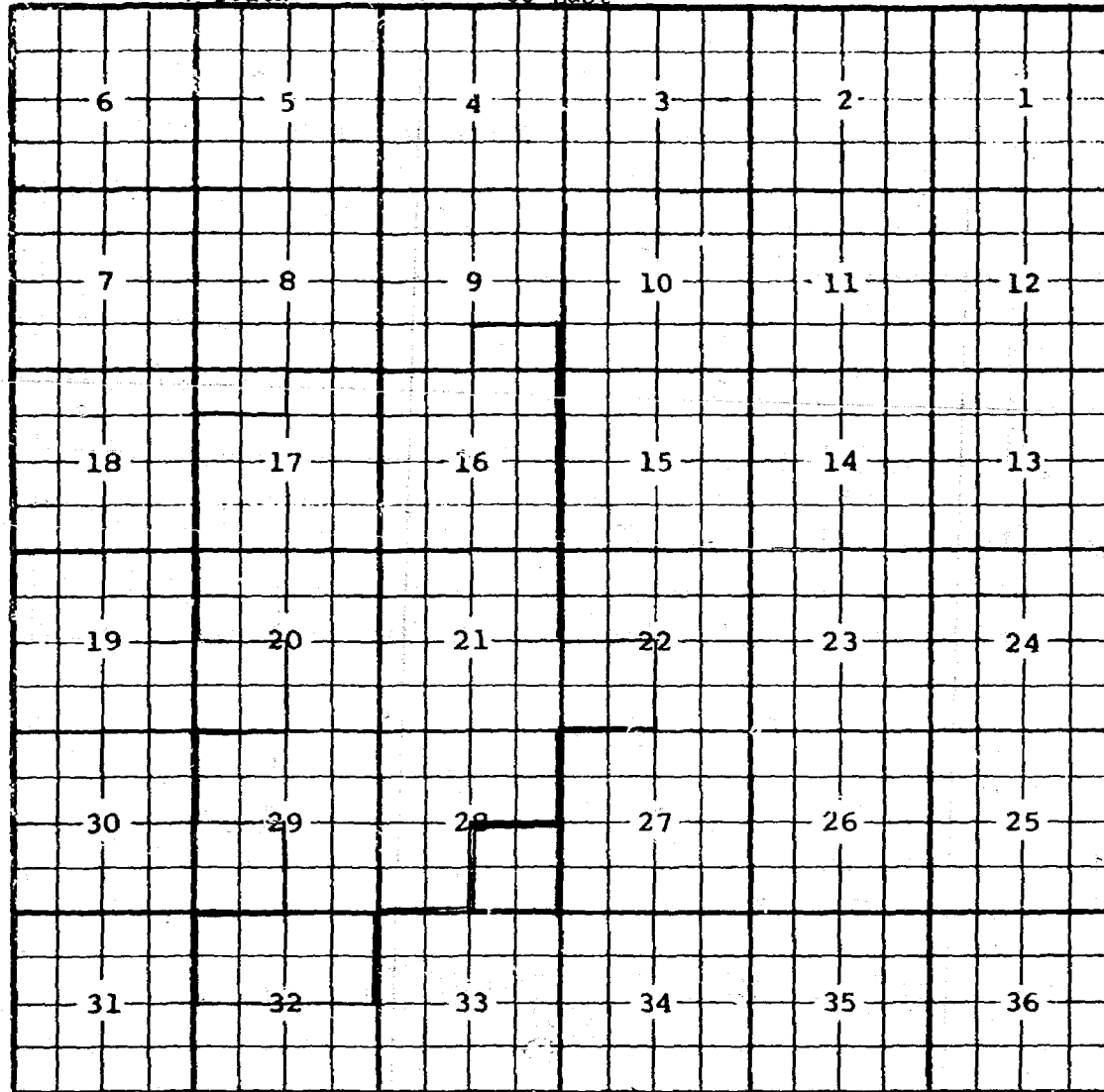
Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 27: W/2

CASE 3571: (g) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA POOL FLYING "M"-SAN ANDRES

TOWNSHIP 9 South RANGE 33 East NMPM



PURPOSE: One completed oil well capable of producing.

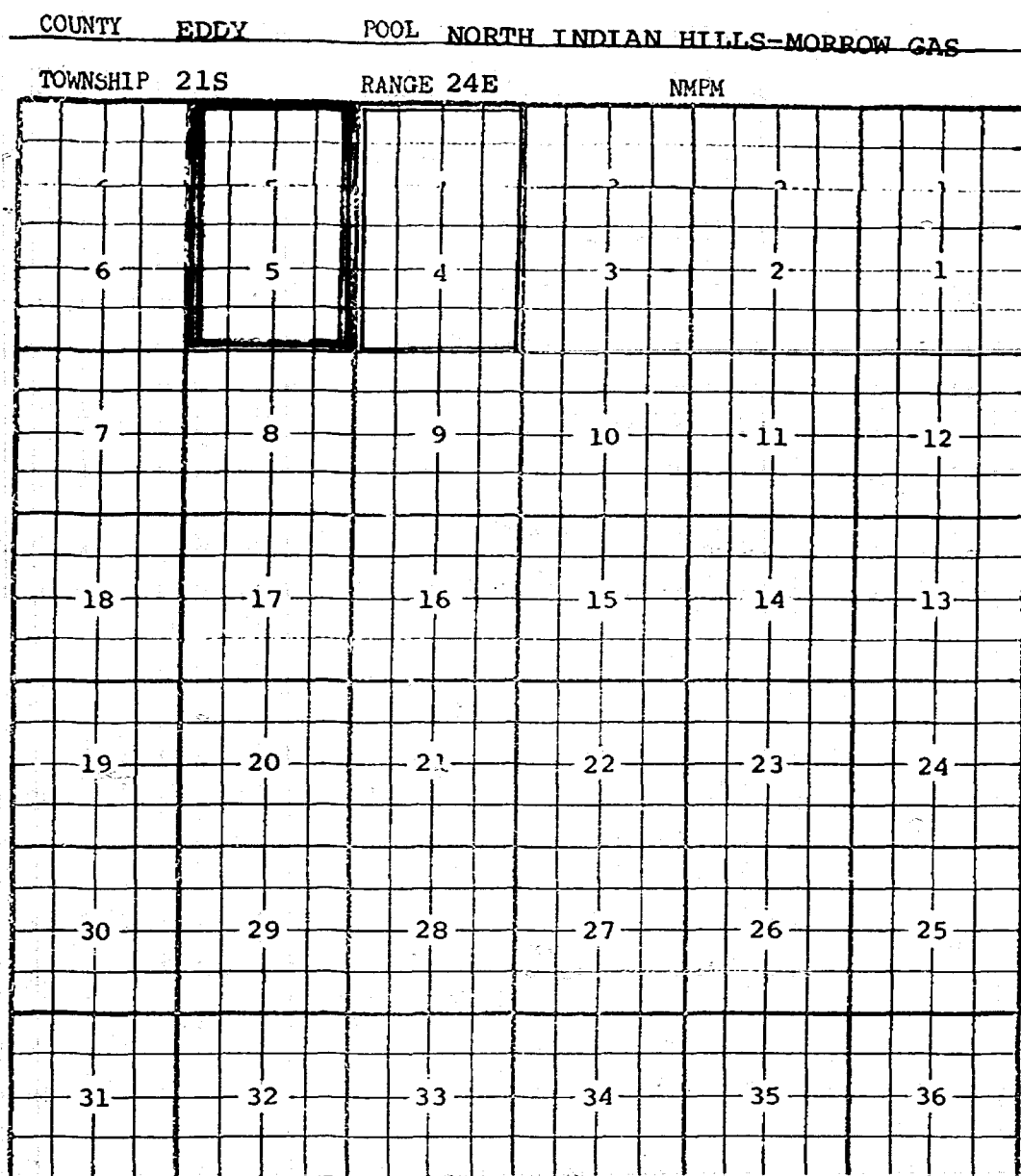
SOUTHLAND ROYALTY COMPANY - O. D. McCoy #1 in Unit J of Section 28-9-33.

Completed in San Andres on March 2, 1967. Top of Perforations 4498'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 28: SE/4

CASE 3571: (h) EXTENSION OF AN EXISTING GAS POOL



Purpose: One completed gas well capable of producing.

David Fasken, Shell Federal Gas Com No. 1 Unit S of
Section 5-21-24, Completed in Morrow December 31, 1966,
through perforations 9570 to 9592

Pool boundary colored in Red

Proposed extension colored in green

Section 5: All

CASE 3571: (i) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA

POOL KEMNITZ-LOWER WOLFCAMP

TOWNSHIP

16 South

RANGE

33 East

NMPM

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

PURPOSE: One completed oil well capable of producing.

MIDWEST OIL CORPORATION - State "G" #1 in Unit 0 of Section 23-16-33.

Completed in Lower Wolfcamp on February 14, 1967. Top of Perforations 10,710'.

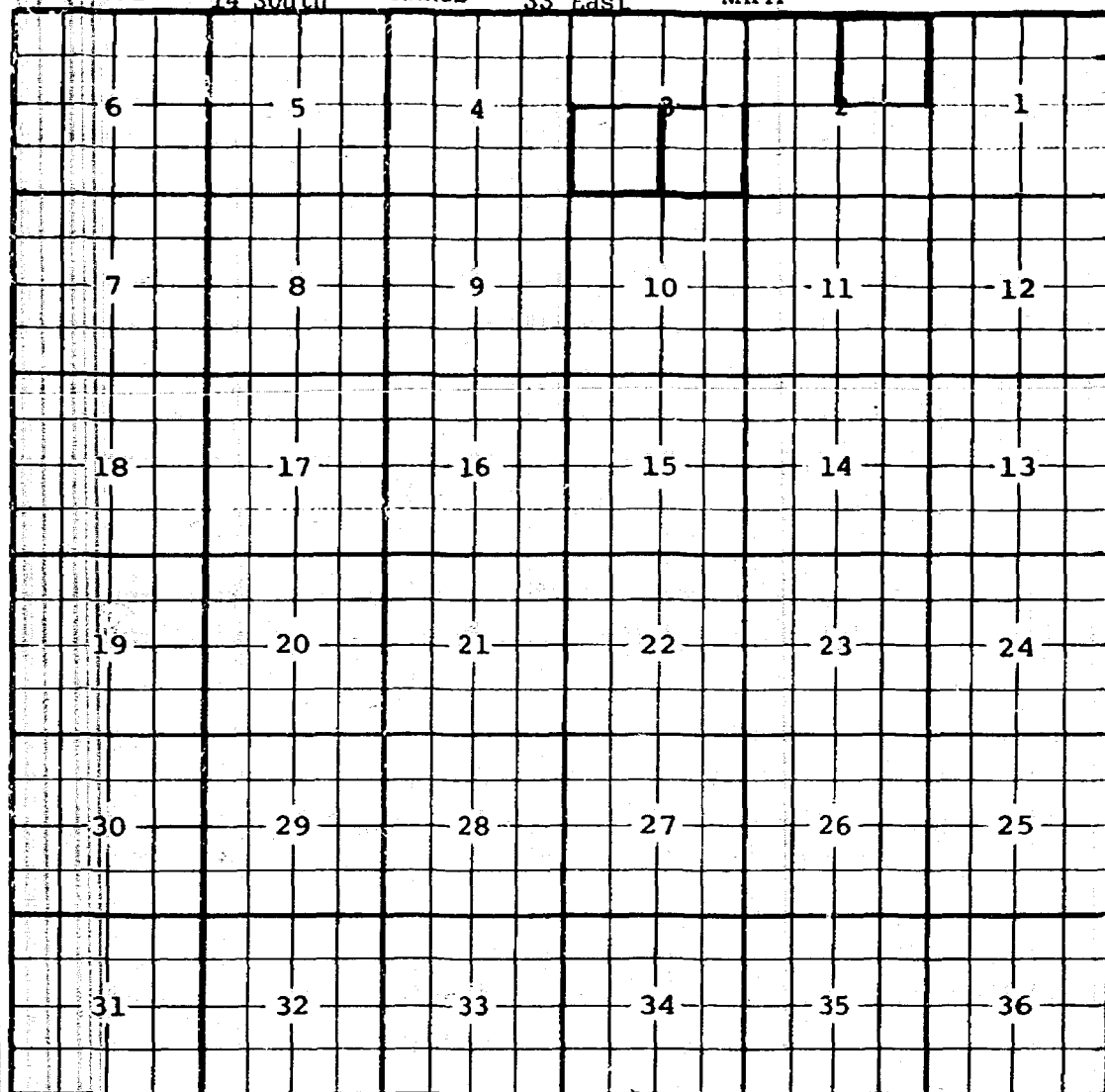
Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 23: SE/4

CASE 3571: (j) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA POOL LAZY J-PENNSYLVANIAN

TOWNSHIP 14 South RANGE 33 East NMPM



PURPOSE: One completed oil well capable of producing.

TEXACO, INC. - New Mexico "AQ" State NCT-11 #2 in Unit N of Section 3-14-33.

Completed in Pennsylvanian on March 15, 1967. Top of Perforations 9800'.

ADDITION--J. M. HUBER CORPORATION - New Mexico A State #1 in Unit A of

Section 2-14-33. Completed in Lazy J Pay on April 23, 1967.

Top of Perforations 9895'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 3: SW/4

ADDITION-----SECTION 2: NE/4

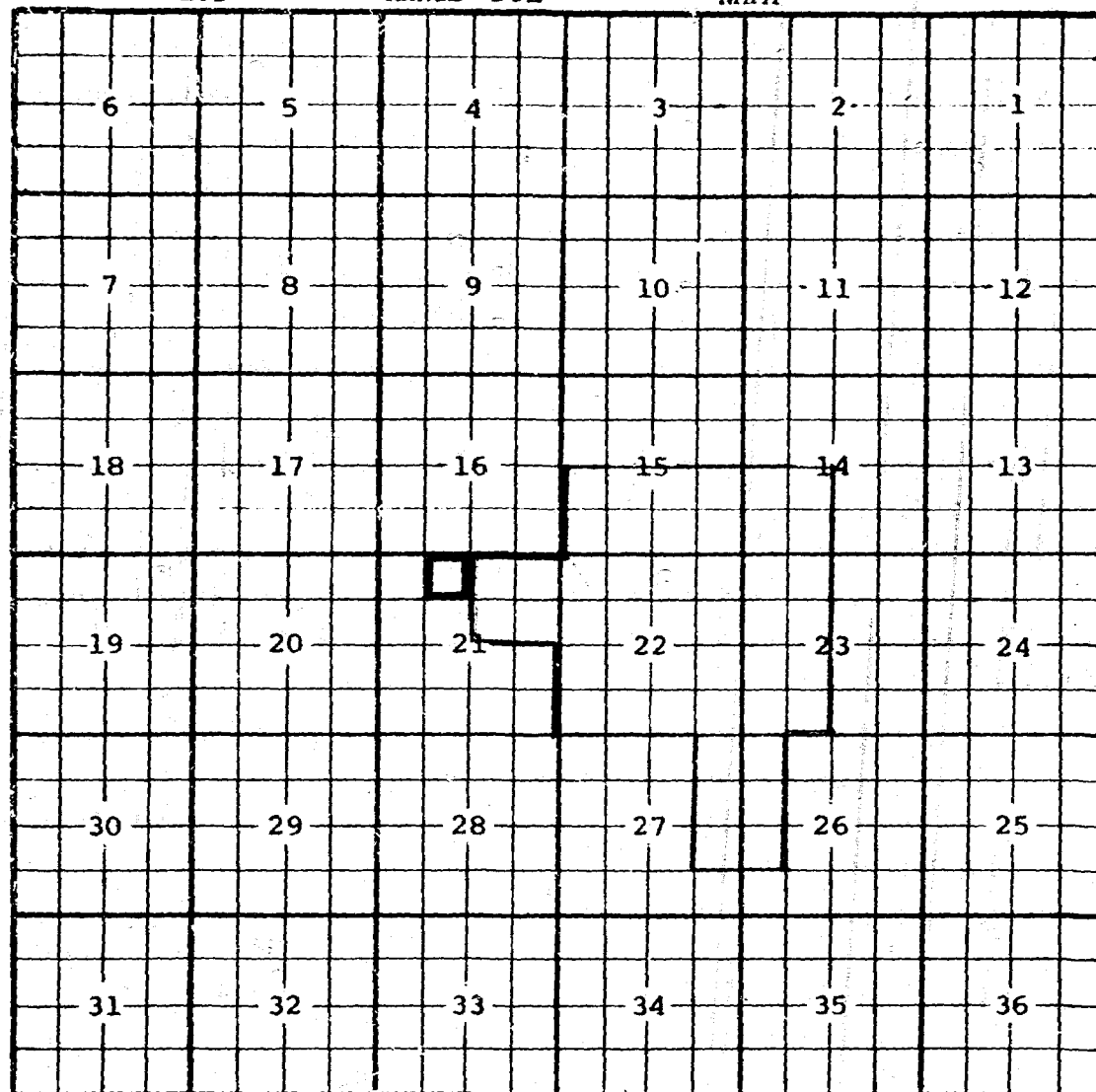
CASE 3571: (k) EXTENSION OF AN EXISTING OIL POOL

COUNTY EDDY POOL LEO (QUEEN - GRAYBURG)

TOWNSHIP 18S

RANGE 30E

NMPM



Purpose: One completed oil well capable of producing.

Texaco Inc. L. R. Manning A Federal Well No. 5 in
Unit C of Section 21-18-30. Completed in Queen-Grayburg
March 1, 1967 through perforations 2602 to 3234

Pool boundary colored in red.

Proposed extension colored in green.

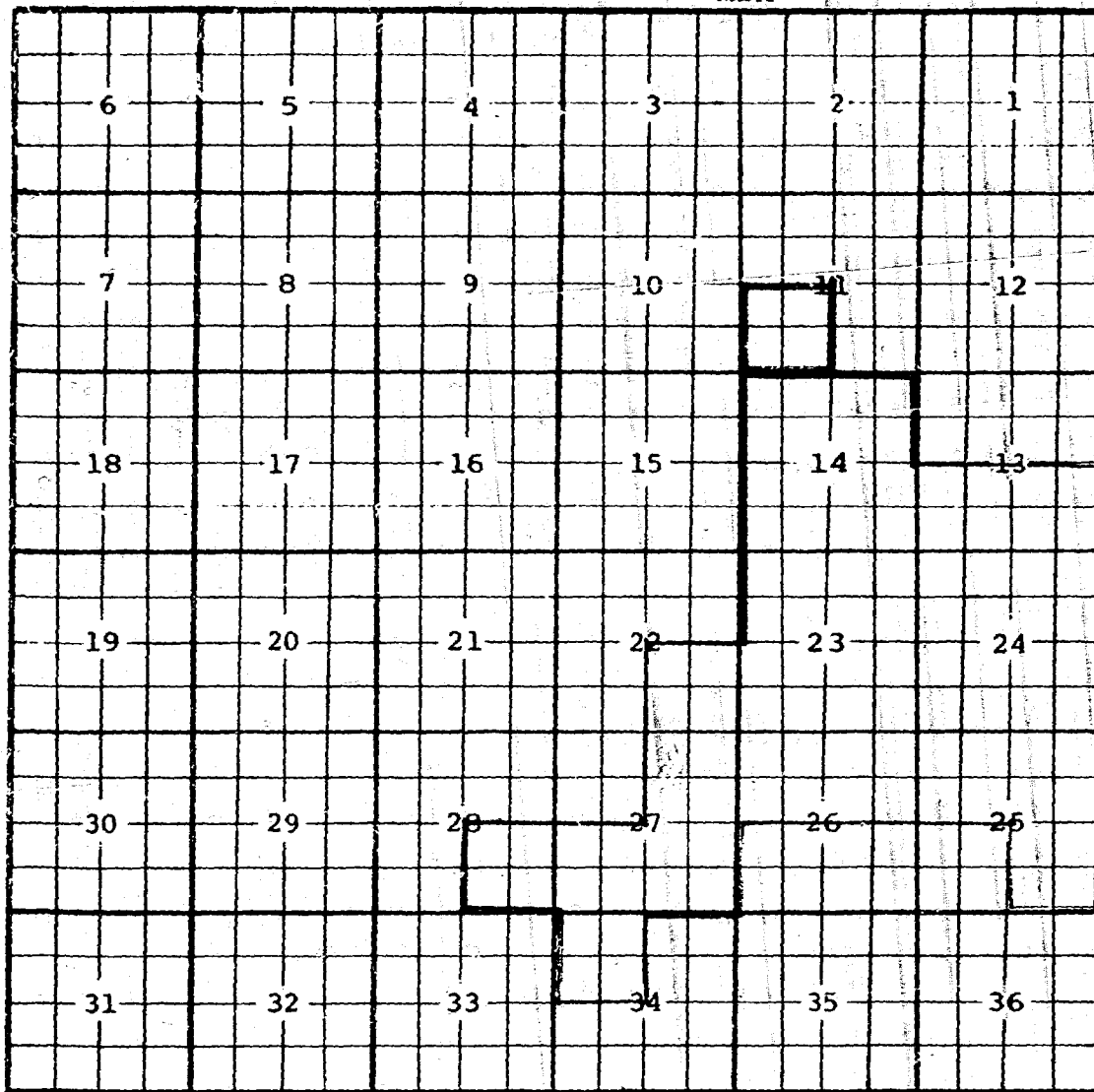
Section 21: NE/4 NW/4

CASE 3571: (1) EXTENSION OF AN EXISTING OIL POOL
COUNTY EDDY POOL LUSK - STRAWN

TOWNSHIP 19S

RANGE 31E

NMPM



Purpose: One completed oil well capable of producing.

Gulf Oil Corporation, General Energy Corporation Federal
No. 1 in Unit N of Section 11-19-31. Completed in
Strawn March 12, 1967, through perforations 11168 to
11194.

Pool boundary colored in red.

Proposed extension colored in green.

Section 11: SW/4

CASE 3571: (m) EXTENSION OF AN EXISTING OIL POOL

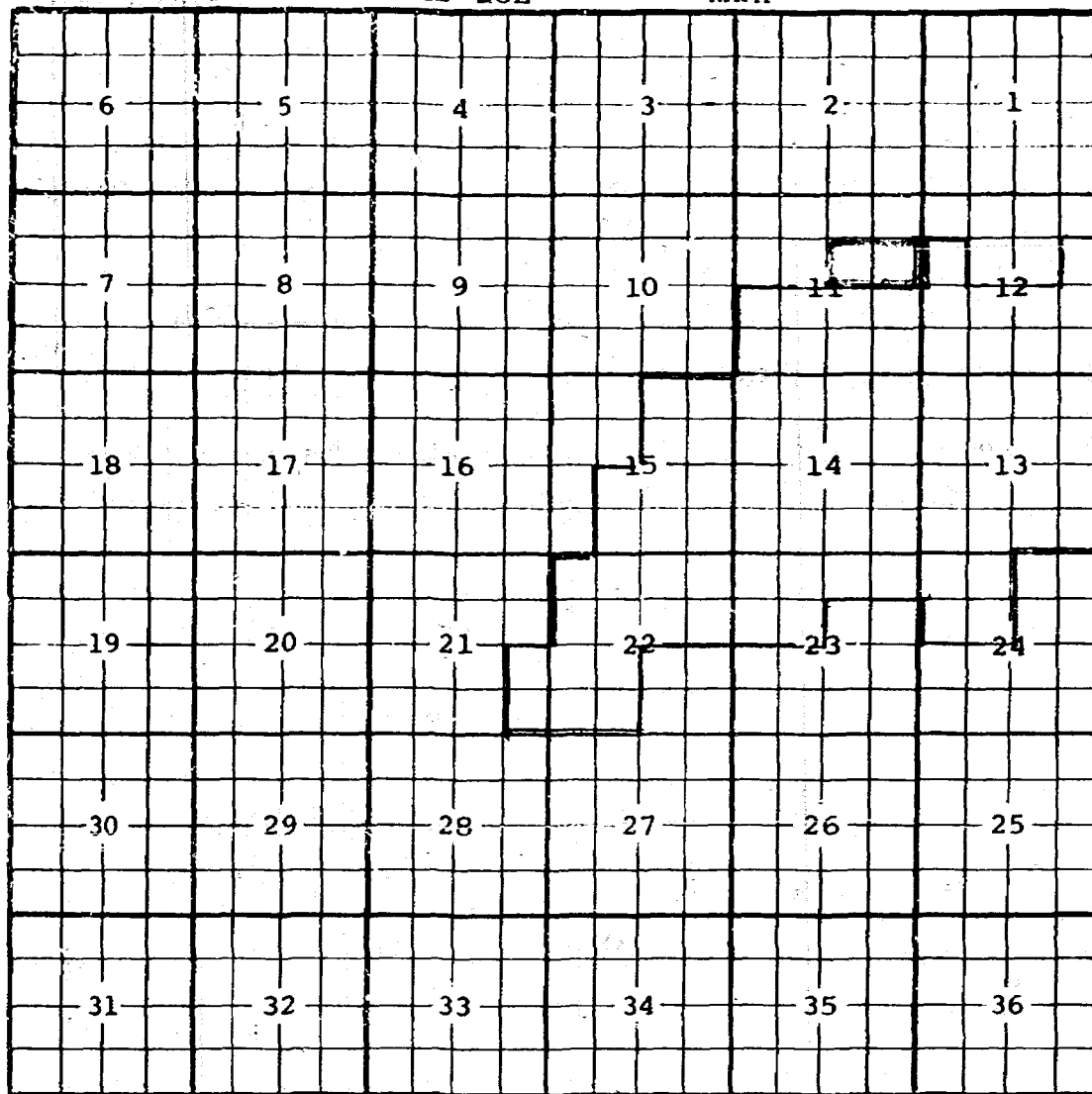
COUNTY EDDY

POOL EAST MILLMAN - QUEEN GRAYBURG

TOWNSHIP 19S

RANGE 28E

NMPM



Purpose: Two completed oil wells capable of producing.

Southwest Production Corporation, Lowe State No. 1 in Unit
G of Section 11-19-28. Completed in Queen-Grayburg
December 13, 1966, through perforations 1803 to 2183.

Southwest Production Corporation, Lowe State No. 2 in Unit
H of Section 11-19-28. Completed in Queen-Grayburg
December 18, 1966, through perforations 1840 to 2176.

Pool boundary colored in red.

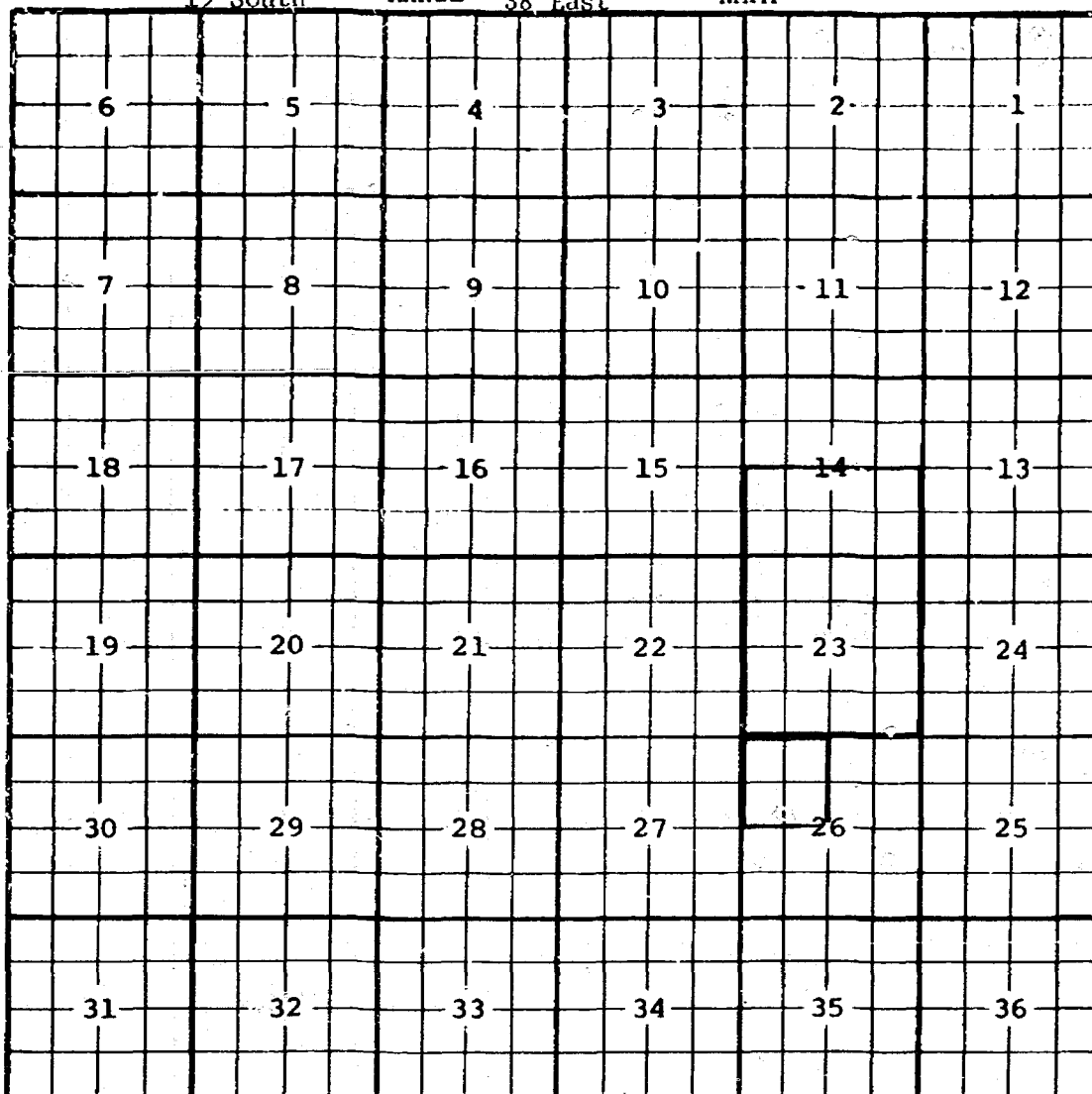
Proposed extension colored in green.

Section 11: S/2 NE/4

CASE 3571: (n) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA POOL NADINE-DRINKARD

TOWNSHIP 19 South RANGE 38 East NMPM



PURPOSE: One completed oil well capable of producing.
SHENANDOAH OIL CORPORATION - Ruth Terry Furneaux #1 in Unit D of Section
26-19-38. Completed in Drinkard on November 26, 1966. Top of Perfora-
tions 6905'.

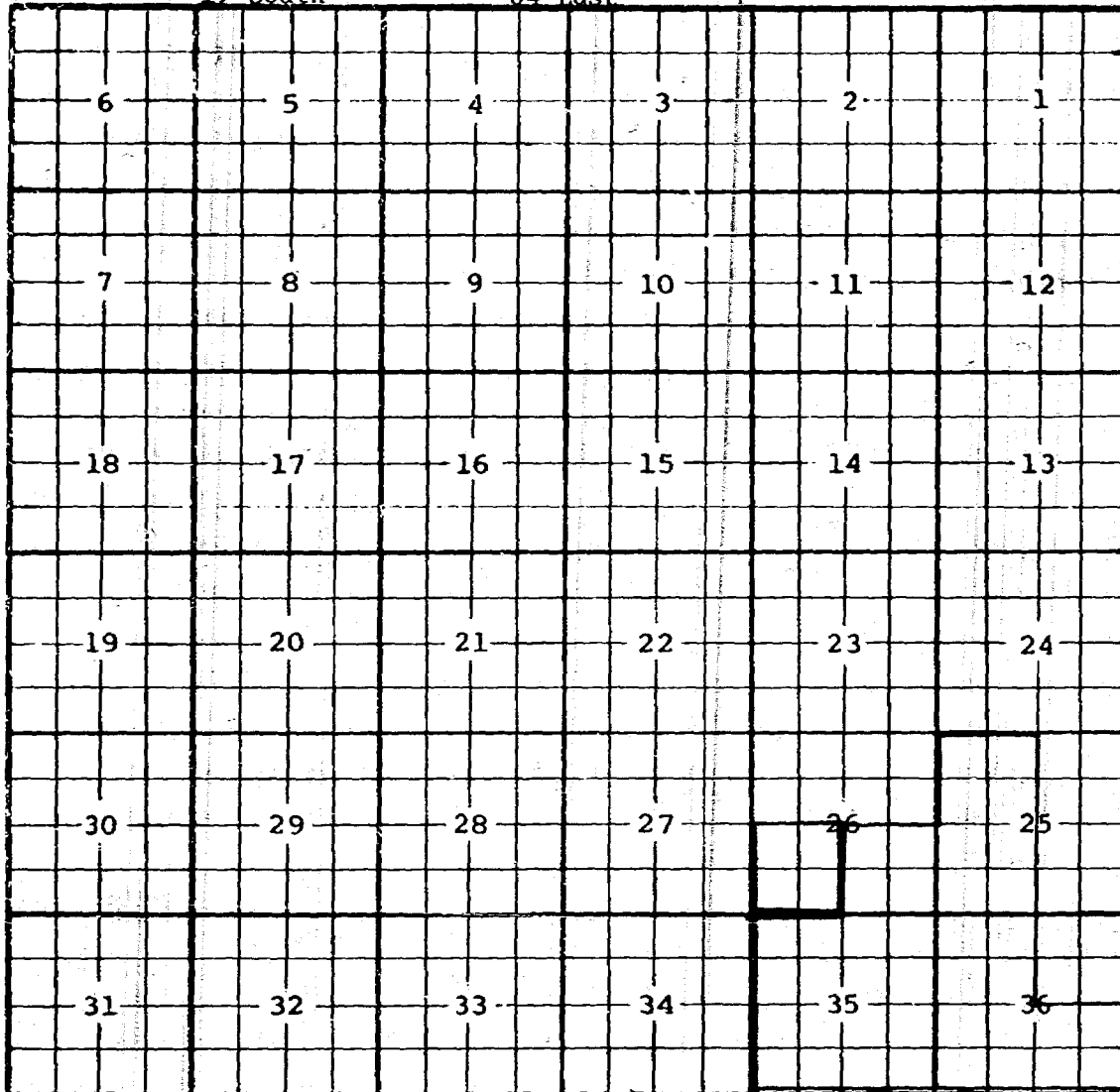
Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 26: NW/4

CASE 3571: (o) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA POOL PEARL-QUEEN

TOWNSHIP 19 South RANGE 34 East NMFM



PURPOSE: Two completed oil wells capable of producing.

ERNEST A. HANSON - Mescalero Ridge Unit "26" #4 in Unit N of Section 26-19-34. Completed in Queen on February 1, 1967. Top of Perforations 4602'.

ERNEST A. HANSON - Mescalero Ridge Unit "26" #5 in Unit K of Section 26-19-34. Completed in Queen on May 1, 1967. Top of Perforations 4990'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 26: SW/4

CASE 3571: (p) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA POOL VACUUM-UPPER PENNSYLVANIAN

TOWNSHIP 17 South RANGE 34 East NMPM

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

PURPOSE: One completed oil well capable of producing.

MOBIL OIL CORPORATION - Bridges State #119 in Unit F of Section 24-17-34.
Completed in Upper Pennsylvanian on March 21, 1967. Top of Perforations
10,069'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 24: NW/4

Docket No. 15-67

DOCKET: REGULAR HEARING - WEDNESDAY - MAY 17, 1967

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

- ALLOWABLE:
- (1) Consideration of the oil allowable for June, 1967;
 - (2) Consideration of the allowable production of gas for June, 1967, from thirteen prorated pools in Lea, Eddy, and Roosevelt Counties, New Mexico, and also presentation of purchasers' nominations for said pools for the six-month period beginning July, 1967; consideration of the allowable production of gas from nine prorated pools in San Juan, Rio Arriba and Sandoval Counties, New Mexico, for June, 1967.

CASE 3570:

Application of Stoltz and Company for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water in a playa lake located in Sections 12 and 13, Township 10 South, Range 32 East, and in Sections 6 and 7, Township 10 South, Range 33 East, Lea County, New Mexico. Applicant proposes to dispose of 10,000 to 20,000 barrels of salt water per day with possible increase to 60,000 barrels per day.

CASE 3571:

Southeastern New Mexico nomenclature case calling for an order for the creation of one pool and the assignment of an oil discovery allowable therein, and the creation and extension of certain other pools in Lea, Eddy, and Chaves Counties, New Mexico:

- (a) Create a new pool in Lea County, New Mexico, classified as an oil pool for Abo production and designated the East Inbe-Pennsylvanian Pool, comprising the following-described acreage:

TOWNSHIP 10 SOUTH, RANGE 34 EAST, NMPM
Section 30: SW/4

Further, for the assignment of approximately 50,010 barrels of oil discovery allowable to the discovery well, Monsanto Company's Lane State Well No. 1-Y, located in Unit M of said Section 30.

- (b) Create a new pool in Roosevelt County, New Mexico, classified as an oil pool for San Andres production and designated as the Northeast Chaverco-San Andres Pool, and described as:

TOWNSHIP 7 SOUTH, RANGE 34 EAST, NMPM
Section 4: SW/4
Section 5: S/2
Section 6: SE/4

- (c) Create a new pool in Eddy County, New Mexico, classified as a gas pool for Upper Pennsylvanian production and designated

as the Springs-Upper Pennsylvanian Gas Pool, and described as:

TOWNSHIP 20 SOUTH, RANGE 26 EAST, NMPM
Section 34: N/2

(d) Extend the Northeast Bagley-Wolfcamp Pool to include therein:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM
Section 11: SW/4

(e) Extend the Chaveroo-San Andres Pool to include therein:

TOWNSHIP 8 SOUTH, RANGE 32 EAST, NMPM
Section 2: E/2

TOWNSHIP 8 SOUTH, RANGE 33 EAST, NMPM
Section 3: SW/4
Section 4: SE/4
Section 10: NE/4
Section 11: NE/4

(f) Extend the South Corbin-Morrow Gas Pool to include therein:

TOWNSHIP 18 SOUTH, RANGE 33 EAST, NMPM
Section 27: W/2

(g) Extend the Flying "M" San Andres Pool to include therein:

TOWNSHIP 9 SOUTH, RANGE 33 EAST, NMPM
Section 28: SE/4

(h) Extend the North Indian Hills-Morrow Gas Pool to include therein:

TOWNSHIP 21 SOUTH, RANGE 24 EAST, NMPM
Section 5: All

(i) Extend the Kemnitz-Lower Wolfcamp Pool to include therein:

TOWNSHIP 16 SOUTH, RANGE 33 EAST, NMPM
Section 23: SE/4

(j) Extend the Lazy J-Pennsylvanian Pool to include therein:

TOWNSHIP 14 SOUTH, RANGE 33 EAST, NMPM
Section 3: SW/4

- (k) Extend the Leo Queen-Grayburg Pool to include therein:

TOWNSHIP 18 SOUTH, RANGE 30 EAST, NMPM
Section 21: NE/4 NW/4

- (l) Extend the Lusk-Strawn Pool to include therein:

TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM
Section 11: SW/4

- (m) Extend the East Millman Queen-Grayburg Pool to include therein:

TOWNSHIP 19 SOUTH, RANGE 28 EAST, NMPM
Section 11: S/2 NE/4

- (n) Extend the Nadine-Drinkard Pool to include therein:

TOWNSHIP 19 SOUTH, RANGE 38 EAST, NMPM
Section 26: NW/4

- (o) Extend the Pearl-Queen Pool to include therein:

TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM
Section 26: SW/4

- (p) Extend the Vacuum-Upper Pennsylvanian Pool to include therein:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM
Section 24: NW/4

NOMENCLATURE ADVERTISEMENT FOR MAY, 1967

CASE 3571 *JK*

In the matter of the application of the Oil Conservation Commission of New Mexico upon its own motion for an order for the creation of new pools in Eddy, Lea, and Roosevelt Counties, New Mexico, and the extension of certain existing pools in Chaves, Eddy, and Lea Counties, New Mexico, and giving notice to all persons and parties interested in the subject matter thereof to appear and show cause why such creations and extensions should not be made.

(b) a) CREATE A new pool in Roosevelt County, New Mexico, classified as an oil pool for San Andres production and designated as the Northeast Chaveroo-San Andres Pool. The discovery well is Pan American Petroleum Corporation, Brown, Jr. No. 1, located in Unit L of Section 4, Township 7 South, Range 34 East, NMPM. Said pool described as:

✓ TOWNSHIP 7 SOUTH, RANGE 34 EAST, NMPM
SECTION 4: SW/4
SECTION 5: S/2
SECTION 6: SE/4

(a) b) CREATE A new pool in Lea County, New Mexico, classified as an oil pool for Cisco (Bough C) production and designated as the East Inbe-Pennsylvanian Pool. The discovery well is Monsanto Company, Lane State No. 1-Y, located in Unit M of Section 30, Township 10 South, Range 34 East, NMPM. Said pool described as:

✓ TOWNSHIP 10 SOUTH, RANGE 34 EAST, NMPM
SECTION 30: SW/4

Further, for the assignment of approximately _____ barrels of oil discovery allowable to the discovery well, Monsanto Company's Lane State Well No. 1-Y, located in Unit M of said Section 30.

c) CREATE A new pool in Eddy County, New Mexico, classified as a gas pool for Upper Pennsylvanian production and designated as the Springs-Upper Pennsylvanian Gas Pool. The discovery well is Gulf Oil Corporation, Spring Unit No. 1, located in Unit G of Section 34, Township 20 South, Range 26 East, NMPM. Said pool described as:

✓ TOWNSHIP 20 SOUTH, RANGE 26 EAST, NMPM
SECTION 34: N/2

d) EXTEND the Northeast Bagley-Wolfcamp Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM
SECTION 11: SW/4

e) EXTEND the Chaveroo-San Andres Pool in Chaves County, New Mexico, to include therein:

✓ TOWNSHIP 8 SOUTH, RANGE 32 EAST, NMPM
SECTION 2: E/2

✓ TOWNSHIP 8 SOUTH, RANGE 33 EAST, NMPM
SECTION 3: SW/4
SECTION 4: SE/4
SECTION 10: NE/4
SECTION 11: NE/4

May, 1967 Nomenclature

f) EXTEND the South Corbin-Morrow Gas Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 18 SOUTH, RANGE 33 EAST, NMPM
SECTION 27: W/2

g) EXTEND the Flying "M"-San Andres Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 9 SOUTH, RANGE 33 EAST, NMPM
SECTION 28: SE/4

h) EXTEND the North Indian Hills-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

✓ TOWNSHIP 21 SOUTH, RANGE 24 EAST, NMPM
SECTION 5: All

i) EXTEND the Kemnitz-Lower Wolfcamp Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 16 SOUTH, RANGE 33 EAST, NMPM
SECTION 23: SE/4

j) EXTEND the Lazy J-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 14 SOUTH, RANGE 33 EAST, NMPM
SECTION 3: SW/4

k) EXTEND the Leo Queen-Grayburg Pool in Eddy County, New Mexico, to include therein:

✓ TOWNSHIP 18 SOUTH, RANGE 30 EAST, NMPM
SECTION 21: NE/4 NW/4

l) EXTEND the Lusk-Strawn Pool in Eddy County, New Mexico, to include therein:

✓ TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM
SECTION 11: SW/4

m) EXTEND the East Millman Queen-Grayburg Pool in Eddy County, New Mexico, to include therein:

✓ TOWNSHIP 19 SOUTH, RANGE 28 EAST, NMPM
SECTION 11: S/2 NE/4

n) EXTEND the Nadine-Drinkard Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 19 SOUTH, RANGE 38 EAST, NMPM
SECTION 26: NW/4

-3-
May, 1967 Nomenclature

o) EXTEND the Pearl-Queen Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM
SECTION 26: SW/4

p) EXTEND the Vacuum-Upper Pennsylvanian Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM
SECTION 24: NW/4

dearnley-meier reporting service, inc.

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1120 SIEMAS BLDG. • P. O. BOX 1092 • PHONE 243-4491 • ALBUQUERQUE, NEW MEXICO

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
May 17, 1967

REGULAR HEARING

IN THE MATTER OF:

Southeastern New Mexico nomenclature
case calling for an order for the
creation of one pool and the assignment
of an oil discovery allowable therein,
and the creation and extension of
certain other pools in Lea, Eddy and
Chaves Counties, New Mexico.

Case 3571

BEFORE:

A. L. Porter, Jr., Secretary-Director
Guyton B. Hays, Land Commissioner
George M. Hatch, General Counsel

TRANSCRIPT OF HEARING

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MR. PORTER: We are going to take up the nomenclature cases next and dispose of them. I believe we only have one. Perhaps five minutes. Mr. Nutter, do you have the nomenclature --

MR. NUTTER: No, Mr. Ramey does.

MR. HATCH: Case 3571, Southeastern New Mexico Nomenclature Case calling for an order for the creation of one pool and the assignment of an oil discovery allowable therein and the creation and extension of certain other pools in Lea, Eddy and Chavez Counties, New Mexico.

(Witness sworn.)

JOE RAMEY, called as a witness on behalf of the New Mexico Oil Conservation Commission, having first been duly sworn, was examined and testified as follows:

DIRECT EXAMINATION

BY MR. HATCH:

Q Would you state your name and position for the record, please?

A Joe D. Ramey, Supervisor of District One for the New Mexico Oil Conservation Commission.

Q Would you refer to Paragraph A of Case 3571 on the Docket? Are you prepared to make recommendations to the Commission concerning the creation of an oil pool and the assignement for an oil discovery allowable to the discovery

well, Monsanto Company's Lane, State Well Number 1-Y?

A Yes, sir.

Q Would you make those recommendations to the Commission at this time?

A It is recommended that a new oil pool be created and designated as the East NB Pennsylvanian Pool, the vertical limits to be the Cisco-Bough C Formation and the horizontal limits as shown on Paragraph One which is the Southwest quarter of Section 30, Township 10, South Range 34 East. The discovery well was the Monsanto Company's Lane State Number 1-Y located in Unit M of Section 30, Township 10, South Range 34 East. It was completed on January 14, 1967 and the top of the perforation is at 10,002 feet. It is further recommended that a discovery allowable of 50,010 barrels be assigned this well.

I would like to call attention to the fact that we had a typographical error on the Docket which stated that this should be classified as an oil pool for Abo production. The Abo is in error and it should read Cisco-Bough C.

Q The Case was advertised incorrectly?

A Yes, sir, that's right.

MR. PORTER: Cisco-Bough C?

MR. RAMEY: Yes, sir.

Q (By Mr. Hatch) Mr. Ramey is that prepared in the

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in the form of an Exhibit?

A Yes, sir. We have an exhibit for the discovery submitted by Monsanto and then it is also part of the nomenclature exhibit.

Q What is the number of that exhibit?

A It is Southeast New Mexico Nomenclature Exhibit Number 1. Paragraphs A through P.

Q Would you refer to your Docket again and to your Exhibit and point out any substantial differences between it and the Docket that has been distributed here today and the corrections to be made if necessary as to Paragraph's B through P, then.

A The remainder is the same with the exception of Paragraph E where we have an addition to the Docket. This addition is as follows: In Section 12 of Township 8, South Range 33 East, the Northwest quarter. We have another addition in Paragraph J in Township 14, South Range 33, East, Section 2, the Northeast quarter. The remainder is as advertised.

Q Do you recommend that the pools be created and other pools extended then as advertised and corrected upon the Docket?

A Yes, sir.

Q Was OCC's Exhibit Number 1 prepared by you or under your supervision?

A Yes, sir, it was.

MR. HATCH: I would like to move the introduction of Exhibit Number 1 into evidence.

MR. PORTER: If there are no objections, the Exhibit will be admitted.

(Whereupon, Oil Conservation Commissions Exhibit Number 1 was admitted into evidence.)

CROSS-EXAMINATION

BY MR. PORTER:

Q Mr. Ramey, do you remember how many bonus allowable wells we have authorized so far, bonus discovery?

A I believe this will be the fourth one.

Q The fourth. Have you had an opportunity to observe any of these wells to see whether or not they are making any of the bonus?

A I think two of them are making the bonus. Now the one we authorized this month and then the first well --

Q The first one that we authorized?

A Yes, sir.

Q And there have been a number of discoveries, I believe, where there were no applications for bonus allowable due to the lack of producing ability?

A Yes, sir, I might state this one today is the same way. It won't be capable of making the allowable.

Q Unless there is some way found to stimulate

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production?

A Yes, sir, that's right.

MR. PORTER: any questions of Mr. Ramey? He
may be excused.

(Witness excused.)

MR. PORTER: any statements in the Case? The
Commission will take the Case under advisement.

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STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) SS.

I, JERRY POTTS, Notary Public, do hereby certify that the foregoing and attached transcript of proceedings before the New Mexico Oil Conservation Commission Examiner at Santa Fe, New Mexico, is a true and correct record to the best of my knowledge, skill and ability.

In Witness whereof, I have affixed my hand and notarial seal this 25th day of May, 1967.

Jerry Potts
Notary Public

My Commission Expires:

July 10, 1970