



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR
LARRY KEHOE
SECRETARY

April 28, 1982

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

The Petroleum Corporation
of Delaware
One Marienfeld Place
Suite 555
Midland, Texas 79701

Attention: Don Cox

Administrative Order NSP-1290

Gentlemen:

Reference is made to your application for a 300-acre non-standard proration unit consisting of the following acreage in the East Burton Flat Morrow Pool:

EDDY COUNTY, NEW MEXICO
TOWNSHIP 20 SOUTH, RANGE 29 EAST, NMPM
Section 6: S/2

It is my understanding that this unit is to be dedicated to your Superior Federal Well No. 6 located 660 feet from the South line and 1980 feet from the West line of said Section 6.

By authority granted me under the provisions of Rule 104 D II, the above non-standard proration unit is hereby approved.

Sincerely,

JOE D. RAMEY,
Director

JDR/RLS/dr

cc: Oil Conservation Division - Artesia
Oil & Gas Engineering Committee - Hobbs
Minerals Management Service - Artesia

Sec. 6 Township No. 20 South of Range No. 29 East

Lot 6 24.91 acres			
Lot 7 24.93 acres			

MID-BELL LAKE-MORROW GAS POOL
Lea County, New Mexico

Order No. R-5252, September 1, 1976, Establishing Pool.
T-23-S, R-34-E W/2 Sec. 19.

HORSESHOE BEND-MORROW GAS POOL
Eddy County, New Mexico

Order No. R-5252, September 1, 1976, Establishing Pool.
T-23-S, R-25-E W/2 Sec. 34.

 EAST BURTON FLAT-MORROW GAS POOL
Eddy County, New Mexico

Order No. R-5252, September 1, 1976, Establishing Pool, as Amended by Order No. R-5456, July 1, 1977; Order No. R-5667, April 1, 1978; Order No. R-5838, November 1, 1978; Order No. R-7009, July 1, 1982; Order No. R-7875, May 1, 1985; Order No. R-8065, November 1, 1985.

T-20-S, R-28-E E/2 Sec. 12.
T-20-S, R-29-E S/2 Sec. 2; S/2 Sec. 3; Sec. 4; E/2 Sec. 5; S/2 Sec. 6; Secs. 7, 8, 9; S/2 Sec. 10; Secs. 16, 17, 18; N/2 Sec. 20.

INDIAN FLATS-DELAWARE POOL
Eddy County, New Mexico

Order No. R-5252, September 1, 1976, Establishing Pool, as Amended by Order No. R-5334, December 1, 1976; Order No. R-5456, July 1, 1977; Order No. R-5754, July 1, 1978; Order No. R-5838, November 1, 1978; Order No. R-6368, July 1, 1980; Order No. R-6499, November 1, 1980; Order No. R-6657, May 1, 1981.

T-21-S, R-28-E SE/4 SE/4 Sec. 27; NE/4 NE/4 Sec. 34; W/2, SW/4 SE/4 Sec. 35.
T-22-S, R-28-E N/2 N/2, S/2 NE/4 Sec. 2.

 EAST BURTON FLAT-STRAWN GAS POOL
Eddy County, New Mexico

Order No. R-5252, September 1, 1976, Establishing Pool, as Amended by Order No. R-5511, September 1, 1977; Order No. R-7158, January 1, 1983; Order No. R-7307, July 1, 1983.

T-20-S, R-29-E W/2 Sec. 4; Secs. 5, 6, 8 through 11.

LAGUNA GRANDE-MORROW GAS POOL
Eddy County, New Mexico

Order No. R-5252, September 1, 1976, Establishing Pool.
T-23-S, R-29-E E/2 Sec. 28.

EAST BURTON FLAT-WOLFCAMP GAS POOL
Eddy County, New Mexico

Order No. R-5252, September 1, 1976, Establishing Pool.
T-20-S, R-29-E W/2 Sec. 21.

LEAMEX-PADDOCK POOL
Lea County, New Mexico

Order No. R-5252, September 1, 1976, Establishing Pool, as Amended by Order No. R-6169, November 1, 1979.
T-17-S, R-33-E S/2 Sec. 22.

BYRNES TANK-DELAWARE POOL
Eddy County, New Mexico

Order No. R-5252, September 1, 1976, Establishing Pool, as Amended by Order No. R-7502, May 1, 1984.
T-23-S, R-26-E S/2 Sec. 5; SE/4 Sec. 7; W/2 Sec. 8.

NASH DRAW-ATOKA GAS POOL
Eddy County, New Mexico

Order No. R-5252, September 1, 1976, Establishing Pool, as Amended by Order No. R-5361, March 1, 1977.
T-23-S, R-29-E S/2 Sec. 12; E/2 Sec. 13.
T-23-S, R-30-E N/2 Sec. 18.

CATCLAW DRAW-WOLFCAMP GAS POOL
Eddy County, New Mexico

Order No. R-5252, September 1, 1976, Establishing Pool.
T-22-S, R-25-E N/2 Sec. 2.

ROCK LAKE-BONE SPRINGS POOL
Lea County, New Mexico

Order No. R-5252, September 1, 1976, Establishing Pool.
T-22-S, R-35-E SW/4 Sec. 28.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐
2. NAME OF OPERATOR 1-214-928-5461 O. C. D.
The Petroleum Corporation of Delaware ARTESIA, OFFICE
3. ADDRESS OF OPERATOR 3811 Turtle Creek Blvd., Suite 350 Dallas, Texas 75219
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface Unit Letter O, 660' ESL & 1980' FEL
At proposed prod. zone SAME
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 13 Miles Northeast of Carlsbad, NM INFORMATION DIVISION
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 660'
16. NO. OF ACRES IN LEASE 1743.54
17. NO. OF ACRES ASSIGNED TO THIS WELL 320
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1320
19. PROPOSED DEPTH 11,800
20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) GR-3279.8'
22. APPROX. DATE WORK WILL START*

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	11 3/4"	42#	350'	cir to surface
8 5/8"	8 5/8"	24# & 32#	3100'	cir to surface
7 7/8"	4 1/2"	11.6# & 13.5#	11,800'	Approx. 500 sx. to be determined by Caliper

Adequate BOP's to be installed @ 350' to TD. See sketch.

Mud Program: See Exhibit F (Page 3)

Note: This well being drilled as a replacement well for our Superior Federal #6 Strawn gas completion. **WILL PLUG BEFORE PROD..**

#6 DUAL. DOES NOT DRAIN THE ACREAGE.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED JE Thomas TITLE Engineer DATE August 25, 1985
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY Orig: Spd: Chrls TITLE _____ DATE 9-12-85
CONDITIONS OF APPROVAL, IF ANY: _____

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

*See Instructions On Reverse Side

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-85

All distances must be from the outer boundaries of the Section.

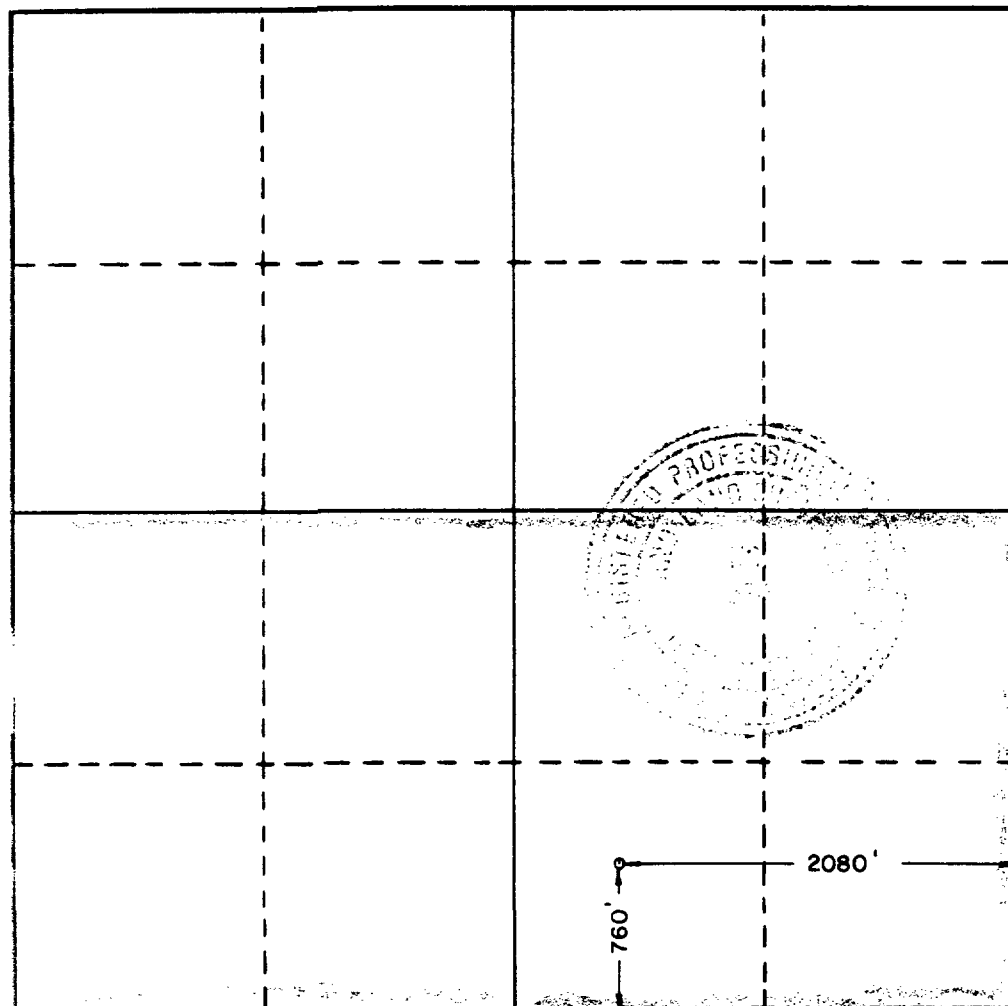
Operator THE PETROLEUM CORP. OF DELAWARE			Lease SUPERIOR FEDERAL		Well No. 7
Unit Letter 0	Section 6	Township 20S	Range 29E	County EDDY	
Actual Footage Location of Wells: 760 feet from the SOUTH line and 2080 feet from the EAST line					
Ground Level Elev. 3279.8	Producing Formation STRAWN		Pool <i>E. Burton Flat Strawn</i>	Dedicated Acreage: 320 Acres	

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

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or 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.

Name _____

Position _____

Company _____

Date _____

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 Surveyed
SEPT. 4, 1985

Registered Professional Engineer
and/or Land Surveyor

John W. West

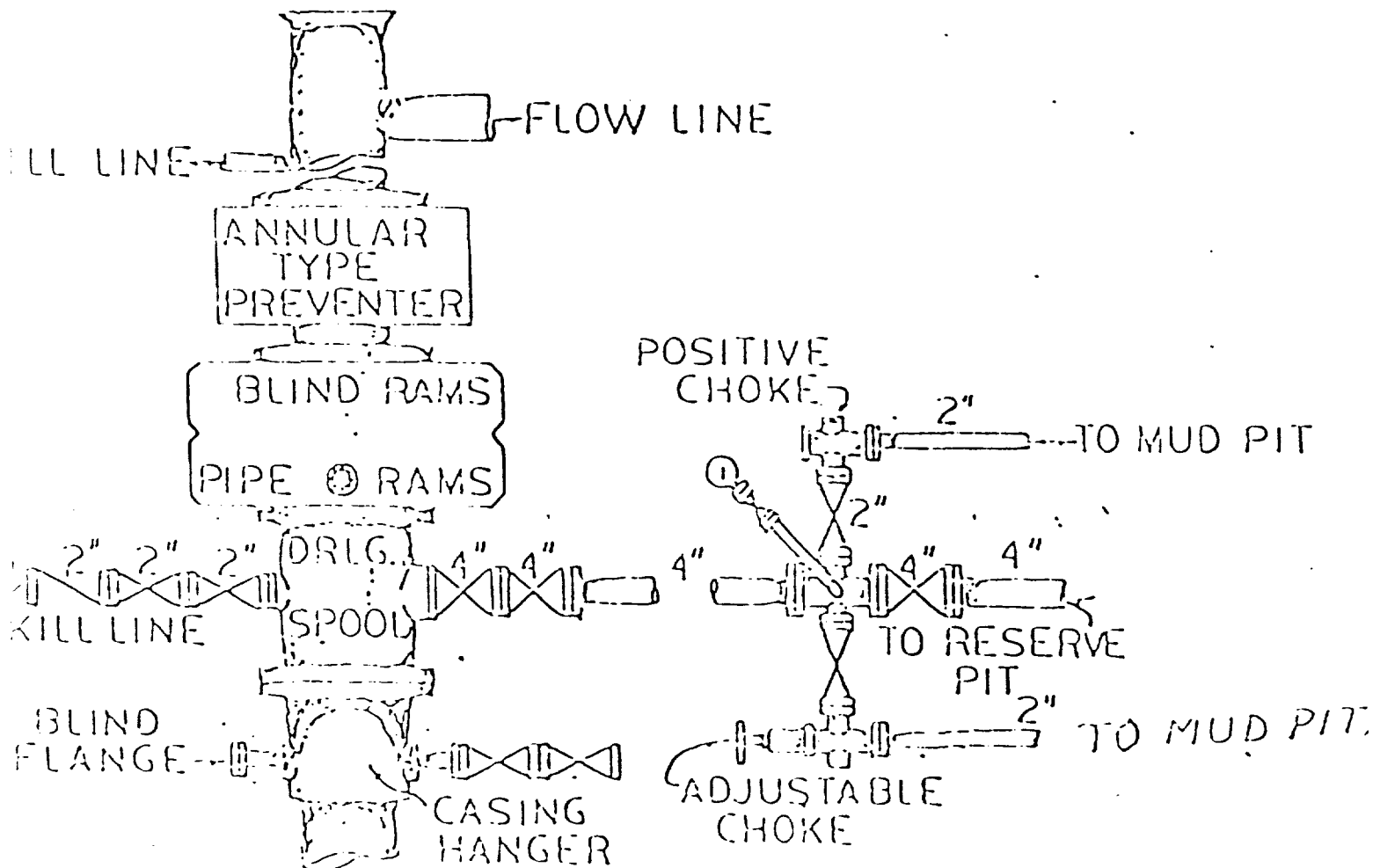
Certificate No. **JOHN W. WEST, 676**
RONALD J. EIDSON, 3239



EXHIBIT E

The Petroleum Corporation of Delaware
Superior Federal Well No. 7
660' FSL and 1980 FEL
Section 6-T20S-R29E
Eddy County, New Mexico

B.O.P. ARRANGEMENT RIG NO. 3
3000 LB. W.P. B.O.P.
10" CAMERON TYPE-SS HYDRAULIC B.O.P. 3000 P.S.I.
12" G.K. HYDRILL 3000 W.P.
80 GALLON- STATION KOOMEY ACCUMULATOR
3000 LB. W.P. CHOKE MANIFOLD



MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED

SF.

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 6-23-82	
Company THE PETROLEUM CORP. OF DELAWARE		Connection EL PASO NATURAL GAS COMPANY	
Well East Burton Flat		Unit O. C. D. ARTESIA, OFFICE	
Completion Date 4-1-82		Total Depth 11,600	Plug Back TD 11,559
Elevation 3274.46R		Form or Lease Name Superior	
Coq. Size 4	Wt. 12.70	Set At 3,958	Perforations From 11,177 To 11,314
Tbg. Size 2 3/8	Wt. 4.70	Set At 1,995	Perforations From To
Type - Single - Threadhead - G.C. or G.O. Multiple Dual		Packer Set At 10,710	County Eddy
Producing Tbr Tbg.	Reservoir Temp. °F 186 # 11,246	Mean Annual Temp. °F	State New Mexico
L 11,246	H 11,246	Cg .626	% CO ₂ .8
		% N ₂ .38	% H ₂ S .08
		Prover	Water Run 4"
			Taps Flg.

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							2180			
1.	4 X 1.250		371	2.89	90	2032				1 hr.
2.	4 X 1.250		378	6.25	97	1978				1 hr.
3.	4 X 1.250		383	12.25	87	1875				1 hr.
4.	4 X 1.250		393	20.25	83	1763				1 hr.
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hours)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _L	Gravity Factor F _g	Super Compress. Factor, F _{ov}	Rate of Flow Q, Mscf/d
1	7.469	33.32	384.2	.9723	1.264	1.030	315
2	7.469	49.45	391.2	.9662	1.264	1.029	464
3	7.469	69.67	396.2	.9750	1.264	1.031	661
4	7.469	90.69	406.2	.9786	1.264	1.035	867
5.							

NO.	R	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio	Mo/Ubl.
1	.57	550	1.51	.943	Dry	
2.	.58	557	1.53	.945	A.P.I. Gravity of Liquid Hydrocarbons	Deg.
3.	.59	547	1.50	.940	Specific Gravity Separator Gas	.626
4.	.61	543	1.49	.933	Specific Gravity Flowing Fluid	XXXXXX
5.					Critical Pressure	671 P.S.I.A.
					Critical Temperature	365 °R

NO.	P ₁	P ₂	P ₁ ²	P ₂ ²	P ₁ ² - P ₂ ²
1	4182.8	2045.9	4185.9	624.2	
2	3964.9	1992.9	3971.5	838.6	
3	3565.3	1891.8	3578.8	1231.3	
4	3154.9	1782.8	3178.2	1631.9	
5					

(1) $\frac{P_c^2}{P_1^2 - P_2^2} = \frac{2.948}{4185.9 - 624.2} = 1.692$

AOI = 0 $\left[\frac{P_c^2}{P_1^2 - P_2^2} \right]^n = \frac{2.384}{1.692} = 1.409$

AUG 08 1982

OIL CORP.

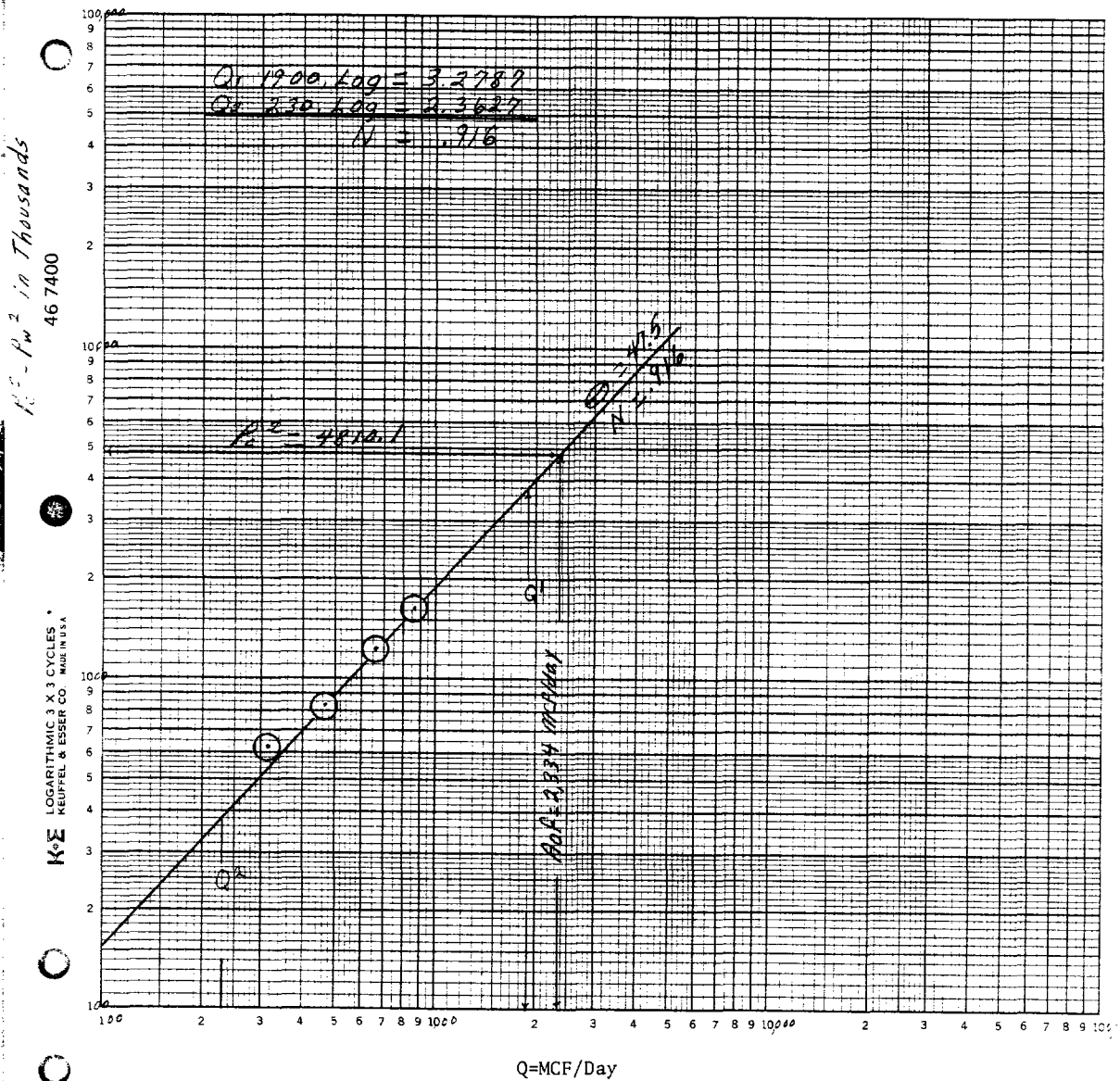
Absolute Open Flow 2,334 Mscf/d @ 15.025 Angle of Slope 47.5° Slope, n .916

Remarks: Made no fluid during test.

Approved by Division EL PASO EXPLORATION CO. Reston & McGowen

Checked by EL PASO EXPLORATION CO. Roy McGowen

THE PETROLEUM CORPORATION OF DELAWARE
 Superior No. 6
 N-6-20-29, Eddy County, New Mexico
 June 23, 1982



OIL CONSERVATION DIVISION
P. O. DRAWER DD
ARTESIA, NM 88210

NOTICE OF GAS CONNECTION

DATE June 11, 1982

This is to notify the Oil Conservation Division that connection for the purchase
of gas from the The Petroleum Corporation
OPERATOR

Superior Federal #6 - Morrow	Eddy	N 6-208-29E
LEASE & WELL	COUNTY	UNIT S-T-R
East Burton Flat Morrow	El Paso Natural Gas Co.	
POOL	NAME OF PURCHASER	

was made on	June 10, 1982	36014	01
DATE	SITE CODE	SITE WELL	

El Paso Natural Gas Co.

PURCHASER

Thomas R. Smith

REPRESENTATIVE

Assistant Chief-Division Dispatcher

TITLE

TRE: b1

cc: Operator

Oil Conservation Division - Santa Fe, NM

H. L. McEuen

Proration

Measurement - Jal

R. L. Tabb

Earl Smith

File

JUN 23 1982

RECEIVED

OIL CONSERVATION DIVISION

P. O. DRAWER DD

ARTESIA, NM 88210

JUN 22 1982

O. C. D.

ARTESIA, OFFICE

NOTICE OF GAS CONNECTION

June 11, 1982

DATE

This is to notify the Oil Conservation Division that connection for the purchase
of gas from the The Petroleum Corporation
OPERATOR

Superior Federal #6 - Strawn

Eddy

N6-20S-29E

LEASE & WELL

COUNTY

UNIT S-T-R

East Burton Flat Strawn

El Paso Natural Gas Co.

POOL

NAME OF PURCHASER

was made on June 10, 1982
DATE

36013
SITE CODE

01
SITE WELL NO.

El Paso Natural Gas Co.

PURCHASER

R. L. Tabb
REPRESENTATIVE

Assistant Chief Division Dispatcher

TITLE

TRE:bl

cc: Operator

Oil Conservation Division - Santa Fe, NM

M. L. McEuen

Proration

Measurement - Jal

R. L. Tabb

Earl Smith

File

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P. O. BOX 2080
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 7-2-83	
Company PETROLEUM CORP. OF DELAWARE		Connection El Paso Natural Gas Company	
Pool East Burton Flat		Formation Strawn	
Completion Date 4-1-82		Total Depth 11,600	Plug Back TD 11,559
Casing Size 4 1/2		Well ID 12.70	Set At 10,600
Perforations From 10,282 To 10,294		Well No. 6	
Thp. Size 2 3/8		Well ID 4.70	Set At 10,753
Perforations From To		Unit N 6 20 29	
Type of Test - Single - Bradenhead - G.G. or G.O. Multiple Dual		Packer Set At 10,710	County Eddy
Producing thru Casing		Reservoir Temp. °F 176 @ 10,282	Mean Annual Temp. °F 60°
Baro. Press. - P _a 13.2		State New Mexico	
L 10,282	H 10,282	G _g .626	% CO ₂ .80
% N ₂ .38	% H ₂ S .	Prover	Meter Run 4.027
Taps Flg.			

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Flow Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
1	4	x	.750	498	2.56	85			1690		1 hr.
2	4	x	.750	493	6.76	86			1658		1 1/2 hr.
3	4	x	.750	494	17.64	86			1600		1 hr.
4	4	x	.750	497	35.40	90			1527		1 hr.
5	4	x	.750	498	90.25	84			1415		1 hr.

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_p P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super. Compress. Factor, F _{sp}	Rate of Flow Q, Mcfd
1	2.661	36.18	511.2	.9768	1.264	1.041	123
2	2.661	58.50	506.2	.9759	1.264	1.040	199
3	2.661	94.59	507.2	.9759	1.264	1.040	323
4	2.661	134.39	510.2	.9723	1.264	1.039	456
5	2.661	214.79	511.2	.9777	1.264	1.041	735

NO.	P _r	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio	dry	Mcft/bbl.
1	.76	545	1.49	.922	A.P.I. Gravity of Liquid Hydrocarbons		Deq.
2	.75	546	1.50	.925	Specific Gravity Separator Gas	.626	XXXXXX
3	.76	546	1.50	.924	Specific Gravity Flowing Fluid	XXXXX	
4	.76	550	1.51	.926	Critical Pressure	671	P.S.I.A.
5	.76	544	1.49	.922	Critical Temperature	365	R

P _r 1703.2	P _r ² 2900.9	(1) $\frac{P_c^2}{P_r^2 - P_c^2} = 3.381$	(2) $\frac{P_r^2}{P_r^2 - P_c^2} = 2.612$
NO.	P _w	P _w ²	P _w ² - P _c ²
1	1671.2	2792.9	108
2	1653.3	2733.3	167.6
3	1613.4	2603.0	297.9
4	1540.6	2372.4	527.5
5	1429.3	2043.0	857.9

AOR = Q $\left[\frac{P_r^2}{P_w^2 - P_c^2} \right]^n = 10820$

ABSOLUTE OPEN FLOW 1,920 Mcfd @ 15.025 Angle of Slope 51.75 Slope, n .788

Remarks:

Approved by Division	Conducted by: Reston & McGowen	Calculated by: Roy McGowen	Checked by: Reggie Reston
----------------------	-----------------------------------	-------------------------------	------------------------------

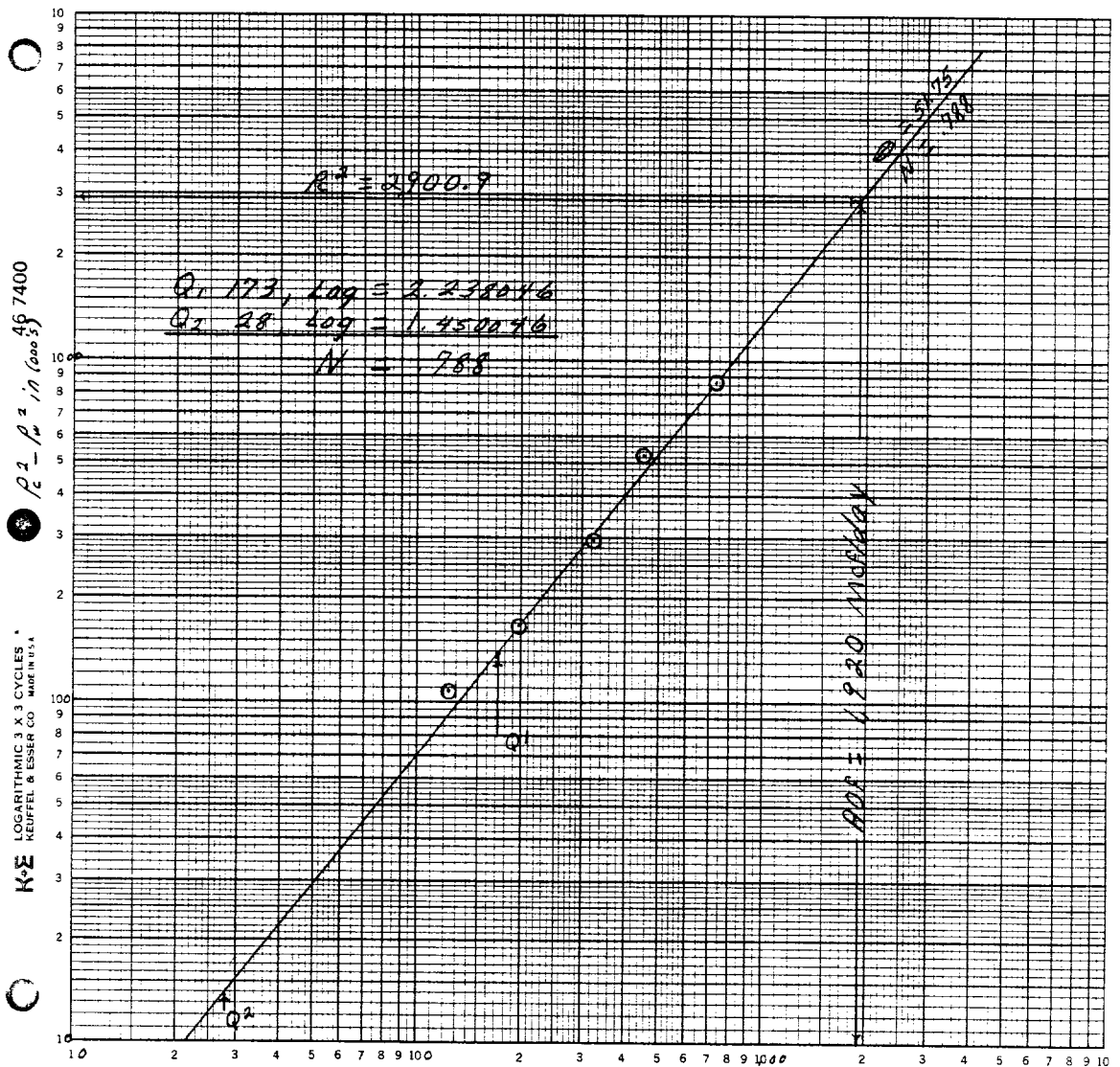
PETROLEUM CORP. OF DELAWARE

Superior No. 6

N 6-20-29

July 2, 1982

Eddy Co., NM



DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL GAS
OPERATOR	
PROBATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Superseding Old C-104 and C-11
Effective 1-1-65

13400
73320

APR 8 1982

O. C. D.

ARTESIA, OFFICE

1. THE PETROLEUM CORPORATION /

Address
One Marienfeld Place, Suite 555 Midland, Texas 79701

Reason(s) for filing (Check proper box)
 New Well ☒ Change in Transporter of:
 Recompletion ☐ Oil ☐ Dry Gas ☐
 Change in Ownership ☐ Casinghead Gas ☐ Condensate ☐

If change of ownership give name
and address of previous owner

2. DESCRIPTION OF WELL AND LEASE

Lease Name Superior Federal	Well No. 6	Pool Name, including Formation East Burton Flat (Strawn)	Kind of Lease State, Federal or Fee Federal	Lease No. NM-0144698
Location Unit Letter N : 660 Feet From The south Line and 1980 Feet From The west Line of Section 6 Township 20S Range 29E , NMPM, Eddy County				

3. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒ Koch Oil Company	Address (Give address to which approved copy of this form is to be sent) P.O. Box 1558 Breckenridge, Tx. 76024
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☐ El Paso Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) P.O. Box 1492 El Paso, Tx. 79999
If well produces oil or liquids, give location of tanks. Unit N Sec. 6 Twp. 20S Rge. 29E	Is gas actually connected? When No 6-10-82

If this production is commingled with that from any other lease or pool, give commingling order number:

COMPLETION DATA

Designate Type of Completion - (X) Oil Well ☐ Gas Well ☒ New Well ☒ Workover ☐ Deepen ☐ Plug Back ☐ Same Res't. Diff. Res't.	Date Spudded 12-19-81	Date Compl. Ready to Prod. 4-1-82	Total Depth 11,600'	P.B.T.D. 11,559'
Elevations (DF, RKB, RT, GR, etc.) 3274.4 GR	Name of Producing Formation Strawn	Top Oil/Gas Pay 10219-10,222	Tubing Depth 10,710'	Depth Casing Shoe 11,600'
Perforations 10282'-10294' (25 holes)				

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
15"	11 3/4	350	350 sacks
11"	8 5/8	3105	2550 sacks
7 7/8"	4 1/2	11600	1775 sacks
	2 3/8	10710	--

4. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bble.	Water-Bble.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D 2175	Length of Test 6 hours	Bble. Condensate/MMCF 88	Gravity of Condensate 52
Testing Method (prior, back pr.) choke coefficient	Tubing Pressure (Shut-in) 3090	Casing Pressure (Shut-in) packer set	Choke Size 3/4"

5. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Mike Langford
(Signature)
District Superintendent
(Title)
4-2-82
(Date)

OIL CONSERVATION COMMISSION
90 day test period ends 9-10-82
APPROVED 6-22-82, 19
BY W.A. Grossett
SUPERVISOR, DISTRICT II

This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation logs taken on the well in accordance with RULE 110.
All sections of this form must be filled out completely for allowable on new and recompleted wells.
Fill out only Sections I, II, III, and VI for change of owner, well name or number, or transportation or other such change of condition.

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SAINTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL GAS
OPERATOR	
PRODUCTION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND RECEIVED
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Superseding OIL C-101 and C-11
Effective 1-1-65

APR 8 1982
O. C. D.
ARTESIA, OFFICE

1. THE PETROLEUM CORPORATION
Address
One Marienfeld Place, Suite 555 Midland, Texas 79701
Reason(s) for filing (Check proper box)
New Well ☒ Change in Transporter of:
Recompletion ☐ Oil ☐ Dry Gas ☐
Change in Ownership ☐ Casinghead Gas ☐ Condensate ☐
Other (Please explain)

If change of ownership give name
and address of previous owner

2. DESCRIPTION OF WELL AND LEASE

Lease Name: Superior Federal Well No.: 6 Pool Name, including Formation: East Burton Flat (Morrow) Kind of Lease: Federal Lease No.: NM-014469
Location
Unit Letter: N : 660 Feet From The: south Line and 1980 Feet From The: west
Line of Section: 6 Township: 20S Range: 29E, NMPM, Eddy County

3. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒ Address (Give address to which approved copy of this form is to be sent)
Koch Oil Company P.O. Box 1558 Breckenridge, Tx. 76024
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒ Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas Company P.O. Box 1492 El Paso, Tx. 79999
If well produces oil or liquids, give location of tanks. Unit: N Sec: 6 Twp: 20S Rge: 29E Is gas actually connected? When: 6-10-82
No yes

If this production is commingled with that from any other lease or pool, give commingling order number:

4. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res't.	Diff. Res't.
		X	X					
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
12-19-81	4-1-82		11,600'		11,559'			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
3274.4 GR	Morrow		10,722 11/27		10,710'			
Perforations					Depth Casing Shoe			
11177'-11314' (19 holes)					11,600'			

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
15"	11 3/4	350	350 sacks
11"	8 5/8	3105	2550 sacks
7 7/8"	4 1/2	11600	1775 sacks
	2 3/8	10710	--

5. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
2540	6 hours	TSTM	--
Testing Method (prior, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size
choke coefficient	3150	packer set	16/64"

6. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Mike Langford
(Signature)

District Superintendent
(Title)

4-2-82
(Date)

OIL CONSERVATION COMMISSION
90 day test period ends 9-10-82
APPROVED 6-22-82
BY W. A. Aressett
SUPERVISOR, DISTRICT II

This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the correct tests taken on the well in accordance with RULE 111.
All sections of this form must be filled out completely for allowable on new and recompleted wells.
Fill out only Sections I, II, III, and VI for changes of casing, well name or number, or transporter or other such change of condition.

N. MEXICO OIL CONSERVATION COMMISS
WELL LOCATION AND ACREAGE DEDICATION PLAT

RECEIVED

Form O-111
Supersedes O-111-1
Effective 10-1-81

APR 8 1982

All distances must be from the outer boundaries of the Section

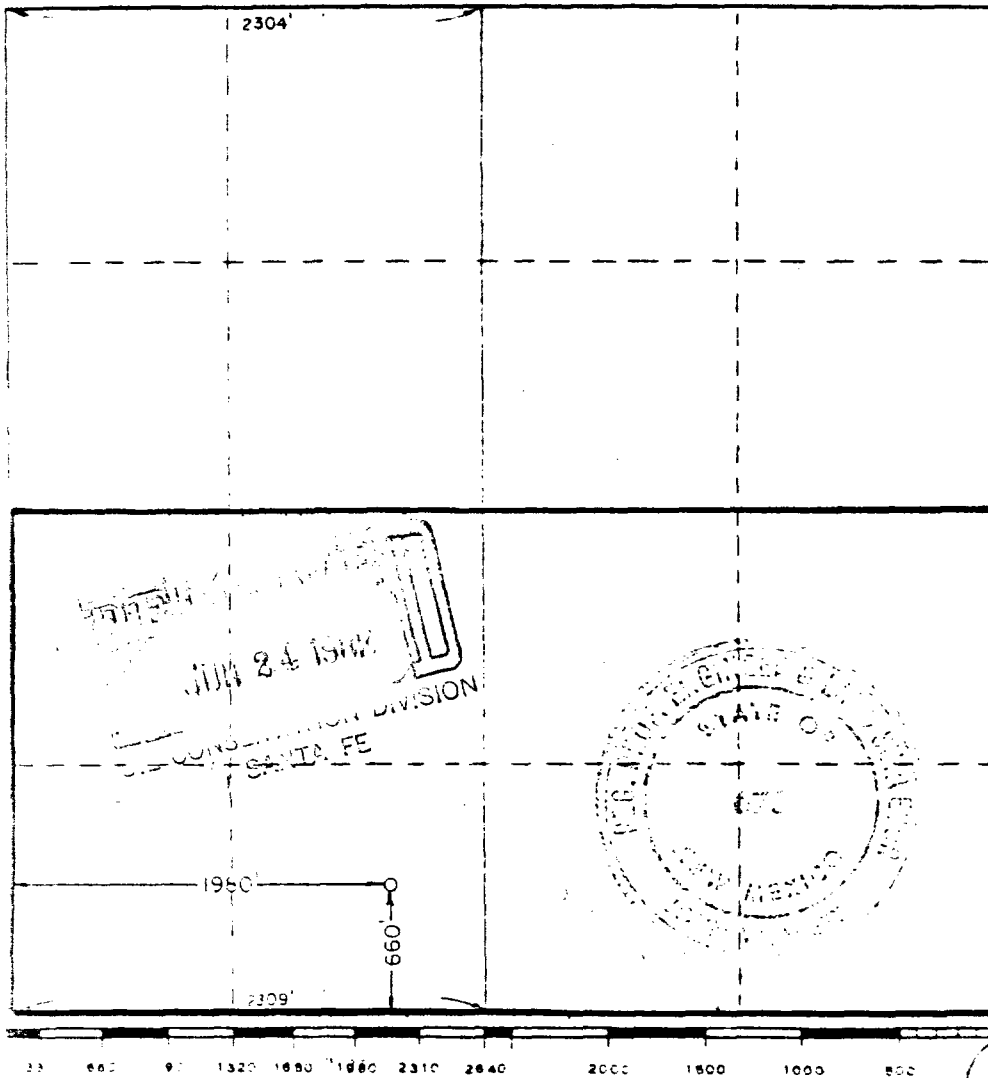
The Petroleum Corp.			Superior Federal			O. C. D.	6	
Section	Township	Range	ARTESIA, OFFICE					
N	6	20 South	29 East	Eddy				
Total Acreage Location of Well:								
660	feet from the	South	line and	1980	feet from the	West	line	
Ground Level Elev	Producing Formation		Pool	Dedicated Acreage				
3283.9	Marathon <i>Shaw</i>		East Burton Flat (Marathon)	29.9: 8 1/4				

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communization, unitization, force-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.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communization, unitization, forced-pooling, or otherwise) or 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

L. E. Thomas

Name

L. E. Thomas

Position

Manager of Operations

Company

The Petroleum Corp.

Date

October 15, 1981

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 Surveyed

10-10-81

Registered Professional Engineer and Oil and Gas Surveyor

John W. West

Certificate No. JOHN W. WEST 676
PATRICK A. ROMERO 6663
Ronald J. Eidson 3239

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR
THE PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR
One Marienfeld Place, Suite 555 Midland, Texas

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 660' FSL and 1980' FWL
At top prod. interval reported below same
At total depth same

5. LEASE DESIGNATION AND SERIAL NO.
NM-0144698

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Superior Federal

8. FARM OR LEASE NAME
Superior Federal

9. WELL NO.
6

10. FIELD AND POOL, OR WILDCAT
East Burton Flat (Morrow)

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 6 - T20S - R29E

12. COUNTY OR PARISH
Eddy

13. STATE
New Mexico

14. PERMIT NO.
81-NM-306

DATE ISSUED OFFICE
11-19-81

15. DATE SPURRED
12-19-81

16. DATE T.D. REACHED
1-26-82

17. DATE COMPL. (Ready to prod.)
4-1-82

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*
3274.4 GR

19. ELEV. CASINGHEAD
3274.4 GR

20. TOTAL DEPTH, MD & TVD
11,600'

21. PLUG, BACK T.D., MD & TVD
11,559'

22. IF MULTIPLE COMPL., HOW MANY*
2

23. INTERVALS DRILLED BY
11,600'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
11,177'-11,314' Morrow

25. WAS DIRECTIONAL SURVEY MADE
yes

26. TYPE ELECTRIC AND OTHER LOGS RUN
DLL, DNL, GR with caliper, CBL

27. WAS WELL CORED
No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
11 3/4	42	350	15"	350 SX.	None
8 5/8	24 & 32	3105	11"	2550 SX.	None
4 1/2	11.6 & 13.5	11,600	7 7/8"	1775 SX.	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	10753	10710

31. PERFORATION RECORD (Interval, size and number)

11,177'-11,314'
(19-0.25" holes)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. DATE FIRST PRODUCTION
3-20-82

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)
Flowing

WELL STATUS (Producing or shut-in)
shut in

DATE OF TEST
3-20-82

HOURS TESTED
6

CHOKE SIZE
16/64"

PROD'N. FOR TEST PERIOD
--

OIL—BBL.
--

GAS—MCF.
635

WATER—BBL.
--

GAS-OIL RATIO
--

FLOW. TUBING PRESS.
1725

CASING PRESSURE
pkc set

CALCULATED 24-HOUR RATE
--

OIL—BBL.
--

GAS—MCF.
2540

WATER—BBL.
--

OIL GRAVITY-API (CORR.)
--

34. DISPOSITION OF CEMENT, PACKER, ETC. (If cemented, etc.)
Vented

TEST WITNESSED BY
Mike Langford

35. LIST OF ATTACHMENTS
Electric logs, 6-1032C-107, Deviation Survey, 6-104, Wellbore Sketch

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED: Mike Langford TITLE: District Superintendent DATE: 4-2-82

(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

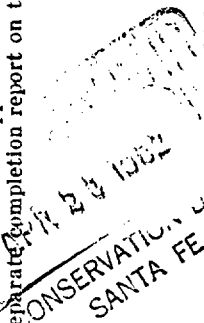
General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formations and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 33.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)



37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Red Bed	0	470	
Anhydrite	470	500	
Salt	500	785	
Anhy. & Dolomite	785	995	
Anhy. & Sand	995	1260	
Dolomite	1260	3520	
Sand & Shale	3520	5594	
Lime	5594	6835	
Lime & Sand	6835	7900	
Lime	7900	8710	
Sand & Lime	8710	9120	
Lime & Shale	9120	9695	
Shale	9695	10219	
Lime & Shale	10219	11120	
Sand	11120	11454	
Shale	11454	11600	

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Anhydrite	470	
Salt	500	
Salt	785	
Yates	995	
7 Rivers	1330	
San Andres	2362	
Wolfcamp	9092	
Penn.	9667	
Cisco	9884	
Canyon	10030	
Strawn	10219	
Atoka	10488	
Delaware Sand	3520	
Bone Springs	5594	
Morrow	10732	
Morrow Clastics	11150	
Barnett	11454	

FIELD _____ COUNTY Eddy OCC NUMBER _____
OPERATOR The Petroleum Corp. of Delaware ADDRESS 3303 Lee Parkway, Ste. 505
Dallas, Texas 75219
LEASE Superior Federal / WELL NO. RECEIVED
SURVEY 660' FSL & 1980' FWL of Sec. 6, T-20-S, R-29-E

APR 8 1982

RECORD OF INCLINATION

<u>DEPTH (FEET)</u>	<u>ANGLE OF INCLINATION (DEGREES)</u>	<u>O. C. D. ARTESIA OFFICE</u>
350	1/2	
868	1 1/2	
1,380	1 1/2	
1,712	1	
2,142	1	
2,476	1	
3,093	2	
3,607	1	
4,100	3/4	
4,556	1	
5,090	1 3/4	
5,588	1 3/4	
6,146	3	
6,553	2	
6,863	1	
7,110	1	
7,602	1/4	
8,062	1/4	
8,531	1/4	
9,087	1/4	
9,613	1/4	
10,231	1 1/2	
10,657	1 1/4	
10,799	1 1/2	
11,470	1	
11,600	1	

Certification of personal knowledge inclination data:

I hereby certify that I have personally assembled the data and facts placed on this form, and such information given above is true and complete to the best of my knowledge.

HONDO DRILLING COMPANY

BY: [Signature]
Walter Frederickson
Vice President

Sworn and subscribed to before me the undersigned authority, on this the

19 day of February, 1982.

Margaret B. Anderson Notary Public in and for Midland County, Texas
Margaret B. Anderson

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

Form approved, RECEIVED
Budget Bureau No. 12-R355.6

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

2. NAME OF OPERATOR
THE PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR
One Marienfeld Place, Suite 555 Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 660' FSL and 1980' FWL
At top prod. interval reported below same
At total depth same

14. PERMIT NO. 81-NM-306 DATE ISSUED 11-19-81

12. COUNTY OR PARISH Eddy 13. STATE New Mexico

15. DATE SPUDDED 12-19-81 16. DATE T.D. REACHED 1-26-82 17. DATE COMPL. (Ready to prod.) 4-1-82 18. ELEVATIONS (DF, RKB, ET, GR, ETC.)* 3274.4 GR 19. ELEV. CASINGHEAD 3274.4 GR

20. TOTAL DEPTH, MD & TVD 11600' 21. PLUG, BACK T.D., MD & TVD 11559' 22. IF MULTIPLE COMPL., HOW MANY* 2 23. INTERVALS DRILLED BY 11,600' ROTARY TOOLS 11,600' CABLE TOOLS --

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
10282'-10294' Strawn

25. WAS DIRECTIONAL SURVEY MADE yes

26. TYPE ELECTRIC AND OTHER LOGS RUN
DLL, DNL, GR with caliper, CBL

27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
11 3/4	42	350	15"	350 sacks	None
8 5/8	24 & 32	3105	11"	2550 sacks	None
4 1/2	11.6&13.5	11600	7 7/8"	1775 sacks	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	10753	10710

31. PERFORATION RECORD (Interval, size and number)
10282'-10294' (25 - 0.25" holes)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
10282'-10294'	2500 gal. 15% HCl acid

33. PRODUCTION

DATE FIRST PRODUCTION 3-26-82 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Shut in

DATE OF TEST 4-1-82 HOURS TESTED 6 CHOKE SIZE 3/4" PROD'N. FOR TEST PERIOD 48 OIL—BBL. 544 GAS—MCF. TSTM WATER—BBL. 11333 GAS-OIL RATIO

FLOW. TUBING PRESS. 150 CASING PRESSURE 192 CALCULATED 24-HOUR RATE 2175 OIL—BBL. 52 GAS—MCF. TSTM WATER—BBL. OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented TEST WITNESSED BY Mike Langford

35. LIST OF ATTACHMENTS
-G-104, -G-105, -G-107, Electric logs, Deviation survey, Wellbore Sketch

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Mike Langford TITLE District Superintendent DATE 4-2-82

* (See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on Items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

RECEIVED
JUN 24 1982
CONSERVATION
SANTA FE

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Red Bed	0	470		Anhydrite	470	
Anhydrite	470	500		Salt	500	
Salt	500	785		Salt	785	
Anhy. & Dolo.	785	995		Yates	995	
Anhy. & Sand	995	1260		7 Rivers	1330	
Dolomite	1260	3520		San Andres	2362	
Sand & Sahle	3520	5594		Wolfcamp	9092	
Lime	5594	6835		Penn.	9667	
Lime & Sand	6835	7900		Cisco	9884	
Lime	7900	8710		Canyon	10030	
Sand & Lime	8710	9120		Strawn	10219	
Lime & Sahle	9120	9695		Atoka	10488	
Shale	9695	10219		Delaware Sand	3520	
Lime & Shale	10219	11120		Bone Springs	5594	
Sand	11120	11454		Morrow	10732	
Shale	11454	11600		Morrow Clastics	11150	
				Barnett	11454	

FIELD _____ COUNTY Eddy OCC NUMBER _____
OPERATOR The Petroleum Corp. of Delaware ADDRESS 3303 Lee Parkway, Ste. 505
Dallas, Texas 75219
LEASE Superior Federal WELL NO. 6
SURVEY 660' FSL & 1980' FWL of Sec. 6, T-20-S, R-29-E

RECORD OF INCLINATION

<u>DEPTH (FEET)</u>	<u>ANGLE OF INCLINATION (DEGREES)</u>
350	1/2
868	1 1/2
1,380	1 1/2
1,712	1
2,142	1
2,476	1
3,093	2
3,607	1
4,100	3/4
4,556	1
5,090	1 3/4
5,588	1 3/4
6,146	3
6,553	2
6,863	1
7,110	1
7,602	1/4
8,062	1/4
8,531	1/4
9,087	1/4
9,613	1/4
10,231	1 1/2
10,657	1 1/4
10,799	1 1/2
11,470	1
11,600	1

RECEIVED

APR 19 1982

O. C. D.
ARTESIA, OFFICE

Certification of personal knowledge inclination data:

I hereby certify that I have personally assembled the data and facts placed on this form, and such information given above is true and complete to the best of my knowledge.

HONDO DRILLING COMPANY

BY: _____

Walter Frederickson
Vice President

Sworn and subscribed to before me the undersigned authority, on this the

5th day of February, 1982.

Margaret B. Anderson Notary Public in and for Midland County, Texas.
Margaret B. Anderson

THE PETROLEUM CORPORATION

ONE MARIENFELD

SUITE 555

MIDLAND, TEXAS 79701

SUBJECT: Superior Federal Well No. 6
660 FSL and 1980 FWL
Sec. 6, T-19S, R-29E Eddy Co.

PREPARED BY	Mike Langford
DATE	4-2-82
SHEET	1 OF 1

East Burton Flat Field

11³/₄ casing set at 350'

8⁵/₈ casing set at 3105'

Producing

Producing through casing/tubing
annulus: Drawn
10,282 - 10,294 (25 Holes)

Baker Model DB Production packer
set @ 10,710'

2³/₈ tubing set @ 10,753'

Producing through tubing: Morrow
11,177 - 11,314 (19 Holes)

4¹/₂ casing set at 11,600'

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SF
SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other ☐

2. NAME OF OPERATOR

THE PETROLEUM CORPORATION ✓

3. ADDRESS OF OPERATOR

Midland,
One Marienfeld Place, Suite 555 Tx. 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 660' FSL and 1980' FWL

AT TOP PROD. INTERVAL: same

AT TOTAL DEPTH: same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) ☐

SUBSEQUENT REPORT OF:

☐
☐
☒
☐
☐
☒
☐
☐

APR 23 1982 RECEIVED
(NOTE: Report results of multiple completion or zone change on Form 9-330.)
OIL CONSERVATION DIVISION
SANTA FE APR 6 1982

5. LEASE

NM-1044698

6. IF INDIAN, ALLOTTEE OR TRIBE NAME RECEIVED

7. UNIT AGREEMENT NAME

Superior Federal APR 19 1982

8. FARM OR LEASE NAME

Superior Federal O. C. D.

9. WELL NO.

ARTESIA, OFFICE

6

10. FIELD OR WILDCAT NAME

East Burton Flat Morrow

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 6 - T20S - R29E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

3274.4 GR

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1. Ran 4 1/2" 13.5# and 11.6#, set at 11,600'. Cemented in 2 stages with 700 sacks and 1075 sacks. DV Tool at 8995'. (1-30-82)
2. 3-17-82 Ran 4 1/2" production packer and set at 10710'.
3. 3-18-82 Perf. Morrow 11267'-11314' (8 holes)
4. 3-20-82 Perf. Morrow 11177'-11236' (11 holes)
5. 3-26-82 Perf. Strawn 10282'-10294' (25 holes)
6. 3-28-82 Acidize Strawn 10282'-10294' with 2500 gallons 15% HCl acid.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Mike Langford TITLE District Supt. DATE 4-2-82

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL IF ANY:

TITLE _____ DATE _____

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

*See Instructions on Reverse Side

Application for Permit to Drill
The Petroleum Corporation
Superior Federal Well No. 6
660' FSL and 1979' FWL
Section 6-T20S-R29E
Eddy County, New Mexico

In conjunction with Form 9-331C, Application for Permit to Drill, subject well in Section 6, Township 20 South, Range 29 East, Eddy County, New Mexico, The Petroleum Corporation submits the following ten items of pertinent information in accordance with U.S.G.S. requirements:

1. The geologic surface formation is Alluvium and Bolson deposits.
2. The estimated tops of geologic markers are as follows:

Yates	1,200'
Seven Rivers	1,425'
Delaware	3,225'
Bone Springs	5,025'
Wolfcamp	9,100'
Strawn	10,200'
Atoka	10,500'
Morrow	10,800'
Barnett Shale	11,450'

3. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered are:

Water:	At approximately 240 feet
Oil or Gas:	Wolfcamp at approximately 9,100'
	Strawn at approximately 10,200'
	Atoka at approximately 10,500'
	Morrow at approximately 10,800'

4. Proposed casing program: See Form 9-331C and Exhibit F (Page 2)
5. Pressure control equipment: See Form 9-331C and Exhibit E
6. Mud Program: See Exhibit F (Page 3)
7. Testing, logging and coring programs: See Exhibit F (Page 2)
8. No abnormal pressures or temperatures are anticipated.
- 9.. Anticipated starting date: As soon as possible.

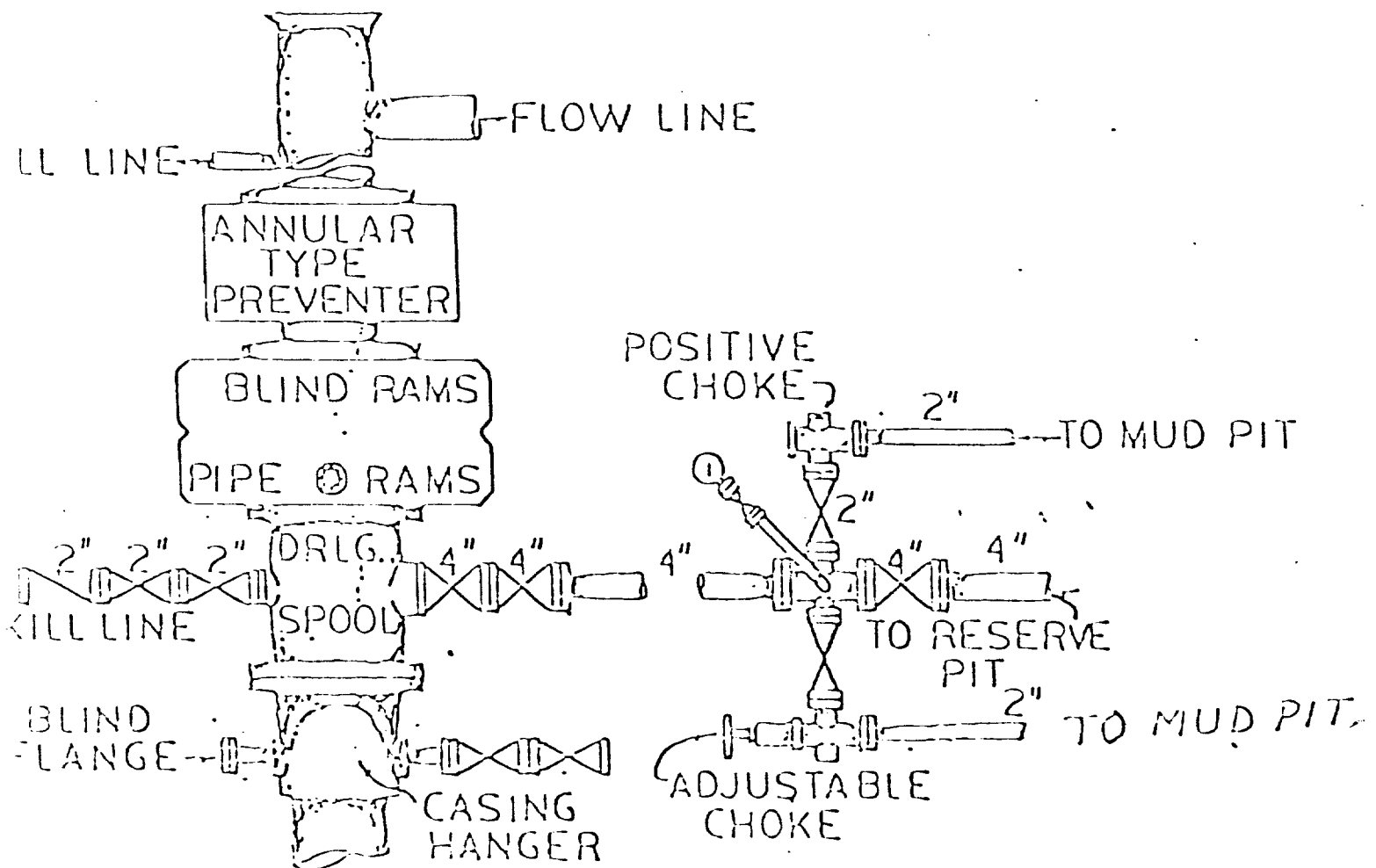
The Petroleum Corporation
Superior Federal Well No. 6
660' FSL and 1979' FWL
Section 6-T20S-R29E
Eddy County, New Mexico

B.O.P. ARRANGEMENT RIG NO. 3

10" CAMERON TYPE-SS HYDRAULIC B.O.P. 3000 P.S.I.

80 GALLON- STATION KOOMEY ACCUMULATOR

3000 LB. W.P. CHOKE MANIFOLD



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ gas ☐ other ☐
2. NAME OF OPERATOR
The Petroleum Corporation
3. ADDRESS OF OPERATOR
One Marienfeld Place, Suite 555, Midland, Tx.
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 350'
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) Surface Casing

☐
☐
☐
☐
☐
☐
☐
☐
☐

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1. Set 20" conductor at 35', cemented with Redimix.
2. Drilled 15" hole to 350'
3. Ran 10 jts. 350', 11 3/4" O.D. 42#/ft. K-55 ST&C
4. Cemented with 350 sacks Class C + 2% CaCl₂. Cement circulated.

RECEIVED
DEC 29 1981

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

Subsurface Safety Valve: Manu. and Type 10" 3000# BOP's Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED ROGER A. CHAPMAN DATE 12-28-81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY30-015-23979
NM-0144698

SF

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

The Petroleum Corporation / Delaware ✓

3. ADDRESS OF OPERATOR

3303 Lee Parkway Dallas, Texas 75219

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface 1980' 660' FSL and 1979' FWL

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

16 miles NE From Carlsbad, NM

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 660'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 5350'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GL 3274.4

23.

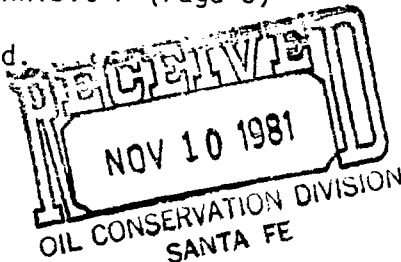
PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	11 3/4"	42#	350'	Circ. to surface
11"	8 5/8"	24# & 32#	3100'	Circ. to surface
7 7/8"	4 1/2"	11.6# & 13.5#	11,800'	500 sx, Vol to be determined by caliper.

Adequate BOP's to be installed from 350' to total depth. See attached sketch.

Mud Program: See Exhibit F (Page 3)

Gas is not dedicated.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE Manager of Operations

DATE October 13, 1981

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NOV 6 1981

JAMES A. GILLHAM
DISTRICT
See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-10,
Supersedes O-128
Revised 1-1-65

All distances must be from the outer boundaries of the Section

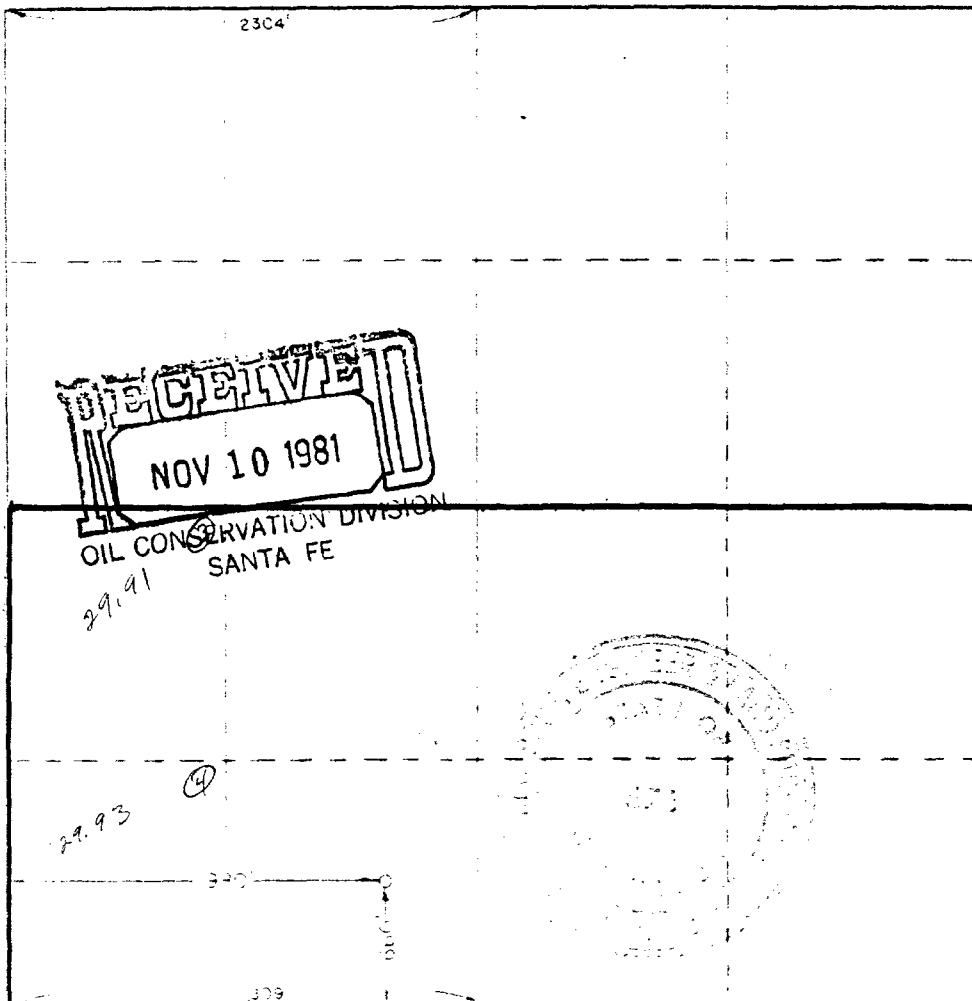
The Petroleum Corp. <i>f Delaware</i>		Lease		Superior Federal		6	
N	6	20 South	29 East	Eddy			
660 feet from the South line and 1980 feet from the West							
3283.9	Producing Formation Morrow		Pool <i>x und.</i> East Burton Flat (Morrow)		Estimated Acreage 299.84 300		

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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, force-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. _____

The allowable will be assigned to the well until all interests have been consolidated by communitization, unitization, force-pooling, or otherwise or 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.

L. E. Thomas

L. E. Thomas

Manager of Operations

The Petroleum Corp.

October 15, 1981

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.

The Surveyor

10-10-81

Registered Professional Engineer
No. 10,101, State of New Mexico

Patrick A. Romero

Certificate No. 4000 N. M. 4131 878
PATRICK A. ROMERO 5883
Revised 1-5-1960 3232

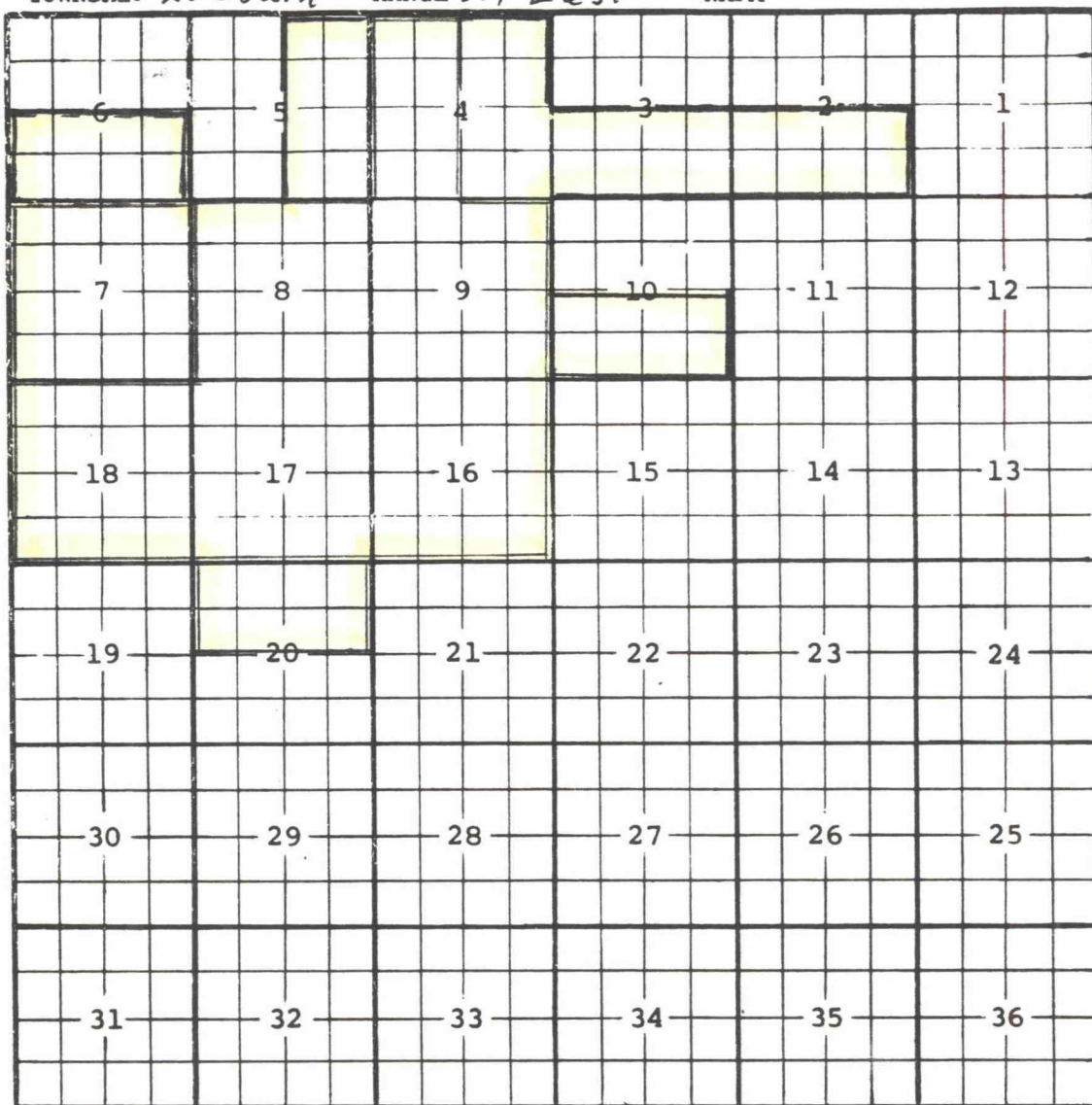
COUNTY Eddy

POOL East Burton Flat - Morrow Gas

TOWNSHIP 20 South

RANGE 29 East

NMPM



Description: $\frac{W}{2}$ Sec 4, All Sec 8, 9, 16, 17 & 18 (R-5252, 9-1-76)

Ext: $\frac{N}{2}$ Sec 20 (R-5456, 7-1-77) Ext: All Sec 7 (R-5667, 4-1-78)

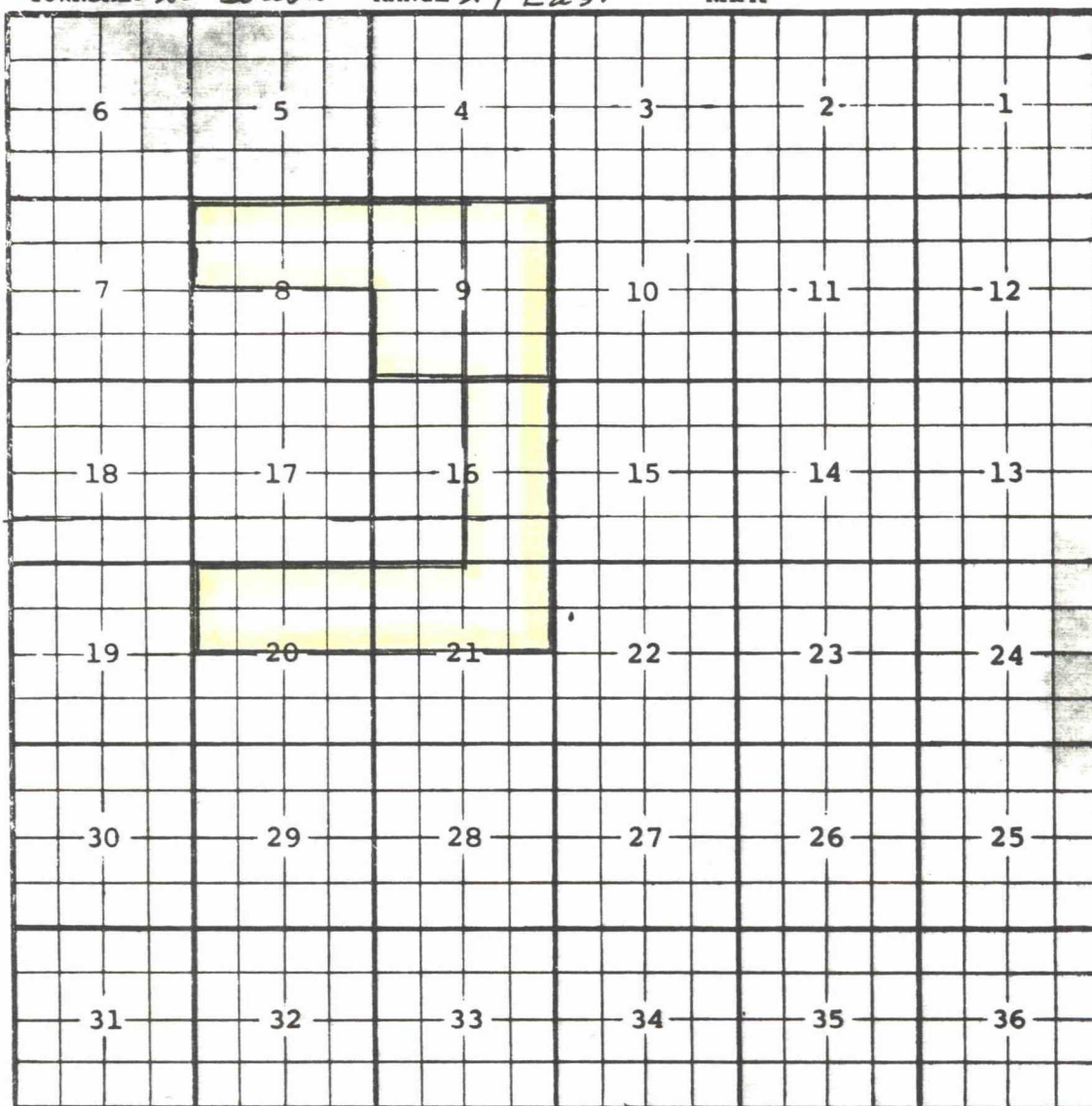
Ext: $\frac{E}{2}$ Sec 5 (R-5838, 11-1-78) EXT: $\frac{S}{2}$ Sec 6 (R-7009, 6-19-82)

Ext: $\frac{S}{2}$ Sec. 2, $\frac{S}{2}$ Sec. 3, $\frac{E}{2}$ Sec. 4 (R-7875, 4-16-85)

Ext: $\frac{S}{2}$ Sec. 10 (R-8065, 10-31-85)

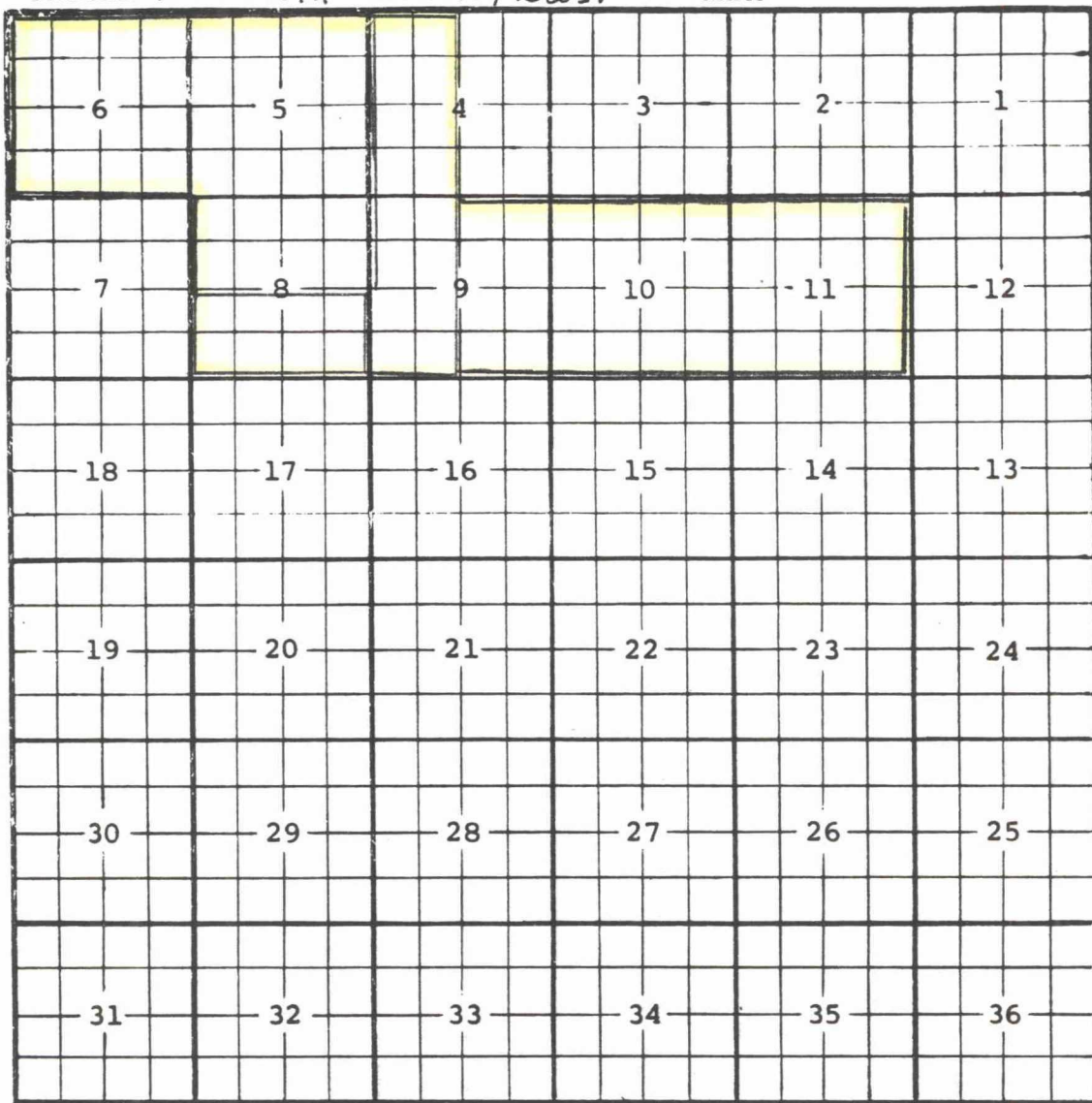
COUNTY EddyPOOL East Burton Flat - Atoka GasTOWNSHIP 20 SouthRANGE 29 East

NMFM

Description: $\frac{E}{2}$ Sec 9 (R-5417, 4-1-77)Ext: $\frac{E}{2}$ Sec 16, $\frac{N}{2}$ Secs 20 & 21 (R-5781, 9-1-78)Ext: $\frac{N}{2}$ Sec 8, $\frac{W}{4}$ Sec 9 (A-6576, 2-10-81)

COUNTY EddyPOOL East Burton Flat-Strawn GasTOWNSHIP 20 SouthRANGE 29 East

NMFM

Description: $\frac{5}{2}$ Sec 8 (R-5252, 9-1-76)Ext: $\frac{W}{2}$ Sec 4, $\frac{W}{2}$ Sec 9 (R-5511, 9-1-77)Ext: $\frac{E}{2}$ Sec 9, All Sec. 10, All Sec. 11 (R-7158, 12-8-82)Ext: All Sec. 5, All Sec. 6, $\frac{N}{2}$ Sec. 8 (A-7307, 6-14-83)

HINKLE, COX, EATON, COFFIELD & HENSLEY

ATTORNEYS AT LAW

218 MONTEZUMA

POST OFFICE BOX 2068

SANTA FE, NEW MEXICO 87504-2068

(505) 982-4554

2800 CLAYDESTA NATIONAL BANK BUILDING

POST OFFICE BOX 3580

MIDLAND, TEXAS 79702

(915) 683-4691

1700 TEXAS AMERICAN BANK BUILDING

POST OFFICE BOX 9238

AMARILLO, TEXAS 79105

(806) 372-5569

700 UNITED BANK PLAZA

POST OFFICE BOX 10

ROSWELL, NEW MEXICO 88202

(505) 622-6510

LEWIS C. COX
PAUL W. EATON
CONRAD E. COFFIELD
HAROLD L. HENSLEY, JR.
STUART D. S-ANOR
C. D. MARTIN
PAUL J. KELLY, JR.
OWEN M. LOPEZ
DOUGLAS L. LUNSFORD
T. CALDER EZZELL, JR.
WILLIAM B. BURFORD
RICHARD E. OLSON
RICHARD A. SIMMS
RICHARD R. WILFONG
STEVEN D. ARNOLD
JAMES J. WECHSLER
NANCY S. CUSACK
JEFFREY L. FORNACIARI
JEFFREY D. HEWETT
JAMES BRUCE
JERRY F. SHACKELFORD
JEFFREY W. HELLBERG

ALBERT L. PITTS
THOMAS M. HNASKO
JOHN C. CHAMBERS
THOMAS D. HAINES, JR.
FRANKLIN H. MCCALLUM
GREGORY J. NIBERT
DAVID T. MARKETTE
FRED W. SCHWENDIMANN
JAMES R. MCADAMS
JAMES M. HUDSON
MACDONNELL GORDON
REBECCA NICHOLS JOHNSON
PAUL R. NEWTON
WILLIAM P. JOHNSON
KAREN M. RICHARDSON
ELLEN S. CASEY
JAMES C. BROCKMANN
SUSAN L. NIESER
MARK A. WILSON
GREGORY S. WHEELER
ANDREW J. CLOUTIER

OF COUNSEL
O. M. CALHOUN
MACK EASLEY
JOE W. WOOD
STEPHEN L. ELLIOTT

CLARENCE E. HINKLE (1901-1985)
W. E. BONDURANT, JR. (1913-1973)
ROY C. SNOODGRASS, JR. (1915-1987)

*NOT LICENSED IN NEW MEXICO

April 5, 1988

Mr. Michael E. Stogner
New Mexico Oil Conservation Division
Post Office Box 2088
Santa Fe, New Mexico 87504-2088

Re: Case No. 9342, Application of the Petroleum Corporation
of Delaware for Simultaneous Dedication

Dear Mike:

Enclosed is a copy of OCD Order No. R-7269 approving the
dual completion of the Superior Federal Well No. 6, which you
requested at the hearing.

Very truly yours,

HINKLE, COX, EATON,
COFFIELD & HENSLEY


James Bruce

JGB:jr
Enclosure

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

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

CASE NO. 7568
Order No. R-7269

APPLICATION OF PETROLEUM CORP. OF
DELAWARE FOR A DUAL COMPLETION,
EDDY COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 o'clock a.m. on September 1, 1982, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 25th day of April, 1983, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

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

(2) That the applicant, Petroleum Corp. of Delaware, seeks authority to complete its Superior Federal Well No. 6 located in Unit N of Section 6, Township 20 South, Range 29 East, NMPM, Eddy County, New Mexico, as a dual completion (conventional) to produce gas from the Strawn formation through the casing tubing annulus and gas from the Morrow formation through tubing with separation of the two zones to be achieved by means of a packer.

(3) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices.

(4) That approval of the subject application will prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Petroleum Corp. of Delaware is hereby authorized to complete its Superior Federal Well No. 6

located in Unit N of Section 6, Township 20 South, Range 29 East, NMPM, East Burton Flat Field, Eddy County, New Mexico, as a dual completion (conventional) to produce gas from the Strawn formation through the casing-tubing annulus and gas from the Morrow formation through tubing with separation of the zones to be achieved by means of a packer set at an approximate depth of 10,710 feet.

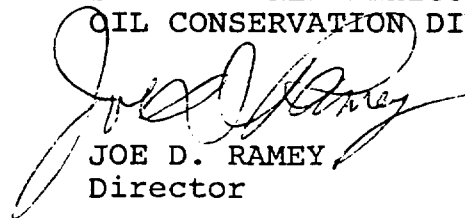
PROVIDED HOWEVER, that the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Division Rules and Regulations insofar as said rule is not inconsistent with this order;

PROVIDED FURTHER, that the applicant shall take a packer leakage test upon completion and annually thereafter during the Annual Shut-In Test Period for gas wells in Southeastern New Mexico.

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

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

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



JOE D. RAMEY
Director

S E A L

HINKLE, COX, EATON, COFFIELD & HENSLEY

ATTORNEYS AT LAW

218 MONTEZUMA

POST OFFICE BOX 2068

SANTA FE, NEW MEXICO 87504-2068

(505) 982-4554

2800 CLAYDESTA NATIONAL BANK BUILDING

POST OFFICE BOX 3580

MIDLAND, TEXAS 79702

(915) 683-4691

1700 TEXAS AMERICAN BANK BUILDING

POST OFFICE BOX 9238

AMARILLO, TEXAS 79105

(806) 372-5569

700 UNITED BANK PLAZA

POST OFFICE BOX 10

ROSWELL, NEW MEXICO 88202

(505) 622-6510

LEWIS C. COX
PAUL W. EATON
CONRAD E. COFFIELD
HAROLD L. HENSLEY JR.
STUART D. SHANOR
C. D. MARTIN
PAUL J. KELLY JR.
OWEN M. LOPEZ
DOUGLAS L. LUNSFORD
T. CALDER EZZELL, JR.
WILLIAM B. BURFORD*
RICHARD E. OLSON
RICHARD A. SIMMS
RICHARD R. WILFONG*
STEVEN D. ARNOLD
JAMES J. WECHSLER
NANCY S. CUSACK
JEFFREY L. FORNACIAR
JEFFREY D. HEWETT*
JAMES BRUCE
JERRY F. SHACKELFORD*
JEFFREY W. HELLBERG*

ALBERT L. PITTS
THOMAS M. HNASKO
JOHN C. CHAMBERS*
THOMAS D. HAINES, JR.
FRANKLIN H. MCCALLUM*
GREGORY J. NIBERT
DAVID T. MARKETTE*
FRED W. SCHWENDIMANN
JAMES R. MCADAMS*
JAMES M. HUDSON
MACDONNELL GORDON
REBECCA NICHOLS JOHNSON
PAUL R. NEWTON
WILLIAM R. JOHNSON
KAREN M. RICHARDSON*
ELLEN S. CASEY
JAMES C. BROCKMANN
SUSAN L. NIESER*
MARK A. WILSON*
GREGORY S. WHEELER
ANDREW J. CLOUTIER*

OF COUNSEL
O. M. CALHOUN
MACK EASLEY
JOE W. WOOD
STEPHEN L. ELLIOTT

CLARENCE E. HINKLE (1901-1985)
W. E. BONDURANT, JR. (1913-1973)
ROY C. SNOODGRASS, JR. (1915-1987)

*NOT LICENSED IN NEW MEXICO

April 26, 1988

RECEIVED

APR 26 1988

OIL CONSERVATION DIVISION

Michael E. Stogner
New Mexico Oil Conservation Division
State Land Office Building
Santa Fe, New Mexico 87504

HAND DELIVERED

Re: Case No. 9342, the Application of The Petroleum Corporation of Delaware for Simultaneous Dedication and Amendment of Administrative Order No. NSP-1290, Eddy County, New Mexico

Dear Mike:

This letter is in response to two requests you made at the hearing on this matter, which was held on March 30, 1988.

First, an Amended Application was filed, and additional notice was sent to all offset operators. Copies of the letters of notification and certified return receipts are attached to this letter as Exhibit A.

Second, an issue arose at hearing regarding whether the Superior Federal Well No. 6 located in Unit N, Section 6, Township 20 South, Range 29 East was completed in the Morrow or Atoka formation. Mark Poppendeck, our geological witness at the hearing, contacted Darryl Moore in the OCD's Artesia office regarding this problem. Mr. Poppendeck's letter to me summarizing the results of his discussions is attached hereto as Exhibit B. A portion of the well log is attached hereto as Exhibit C. Based on the foregoing, I believe that we will have to amend NSP-1290 to include not only the Strawn pool but the Atoka pool. Depending upon the completion of the proposed Superior Federal Well No. 7, the order should also be broad enough to permit simultaneous dedication of production from the Morrow, Strawn, and Atoka pools in the S $\frac{1}{2}$ of Section 6.

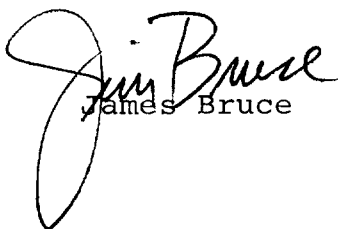
Please call me if you have any questions about this matter. This matter was readvertised for April 27, 1988, but it may have

Michael E. Stogner
April 26, 1988
Page 2

to be readvertised a second time. Also, please let me know if you need any additional testimony submitted on this case.

Very truly yours,

HINKLE, COX, EATON,
COFFIELD & HENSLEY


James Bruce

JGB:jr

HINKLE, COX, EATON, COFFIELD & HENSLEY

ATTORNEYS AT LAW

500 MARQUETTE N.W., SUITE 740
ALBUQUERQUE, NEW MEXICO 87102-2121
(505) 768-1500

700 UNITED BANK PLAZA
POST OFFICE BOX 10
ROSWELL, NEW MEXICO 88202
(505) 622-6510

2800 CLAYDESTA NATIONAL BANK BUILDING
POST OFFICE BOX 3580
MIDLAND, TEXAS 79702
(915) 683-4691

1700 TEXAS AMERICAN BANK BUILDING
POST OFFICE BOX 9238
AMARILLO, TEXAS 79105
(806) 372-5569

218 MONTEZUMA
POST OFFICE BOX 2068
SANTA FE, NEW MEXICO 87504
(505) 982-4554

LEWIS C. COX
PAUL W. EATON
CONRAD E. COFFIELD
HAROLD L. HENSLEY, JR.
STUART D. SHANOR
C. D. MARTIN
PAUL J. KELLY, JR.
OWEN M. LOPEZ
DOUGLAS L. LUNSFORD
JOHN J. KELLY
T. CALDER EZZELL, JR.
WILLIAM B. BURFORD*
RICHARD E. OLSON
RICHARD R. WILFONG*
STEVEN D. ARNOLD
JAMES J. WECHSLER
NANCY S. CUSACK
JEFFREY L. FORNACIARI
JEFFREY D. HEWETT*
JAMES BRUCE
JERRY F. SHACKELFORD*
JEFFREY W. HELLBERG*
ALBERT L. P. TITS
THOMAS M. HNASKO

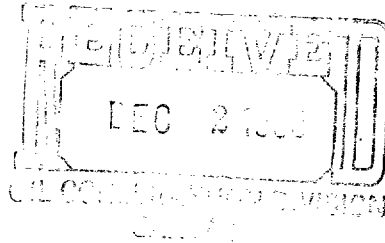
JOHN C. CHAMBERS*
THOMAS D. HAINES, JR.
FRANKLIN H. MCALLUM*
GREGORY J. NIBERT
DAVID T. MARKETTE*
MARK C. DOW
FRED W. SCHWENDIMANN
DAVID MORAN
JAMES R. MCADAMS*
JAMES M. HUDSON
MACDONNELL, GORDON
REBECCA NICHOLS JOHNSON
PAUL R. NEWTON
WILLIAM R. JOHNSON
KAREN M. RICHARDSON*
ELLEN S. CASEY
MARGARET C. LUDEWIG
SUSAN L. NIESER*
MARTIN MEYERS
GREGORY S. WHEELER
ANDREW J. CLOUTIER
IWANA RADEMAEKERS*
S. BARRY PAISNER

OF COUNSEL
O. M. CALHOUN
MACK EASLEY*
JOE W. WOOD
STEPHEN L. ELLIOTT

CLARENCE E. HINKLE (1904-1985)
W. E. BONDURANT, JR. (1913-1973)
ROY C. SNODGRASS, JR. (1914-1987)

*NOT LICENSED IN NEW MEXICO

November 30, 1988



Mr. Michael E. Stogner
New Mexico Oil Conservation
Division
310 Old Santa Fe Trail
Room 206
Santa Fe, New Mexico 87503

Re: Case No. 9342, The Application of the Petroleum
Corporation of Delaware for Simultaneous Dedication
and Amendment of Administrative Order No. NSP-1290,
Eddy County, New Mexico

Dear Mike:

At the original hearing in this matter last March, you requested the following three items:

1. An Amended Application to clear up exactly what relief was sought by the applicant. An Amended Application was filed, but it may have to be amended again due to item three below.
2. A copy of the Dual Completion Order for the Superior Federal Well No. 6. This Order, No. R-7269, was previously provided to you. This order may have to be amended due to item three below.
3. You wanted my client to further inquire as to what formations or pools the Superior Federal Well No. 6 was producing from. This was done, and the results of this inquiry are contained in a letter from my client to me dated April 5, 1988. This letter was provided to you last dated April, and a copy is attached hereto.

It appears from the foregoing that the Superior Federal Well No. 6 may be producing from the Morrow, Strawn, and Atoka.

Mr. Michael E. Stogner
November 30, 1988
Page Two

As a result of the foregoing, we may need to request an amendment of NSP-1290 to include the Strawn, Morrow, and Atoka. We may also need to ask for the amendment of Order No. R-7269 to include the Atoka formation, and also to request similar relief for the proposed Superior Federal Well No. 7. I have drafted a Second Amended Application, and it is enclosed with this letter. Please call me about this matter so that we can determine how to proceed and conclude this case.

Very truly yours,


JAMES BRUCE
JB:lc
Enclosure

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

APPLICATION OF THE PETROLEUM)
CORPORATION OF DELAWARE FOR)
SIMULTANEOUS DEDICATION, THE)
AMENDMENT OF ADMINISTRATIVE)
ORDER NO. NSP-1290, AND THE)
AMENDMENT OF ORDER NO. R-7269,)
EDDY COUNTY, NEW MEXICO.)

Case No. 9342

SECOND AMENDED APPLICATION

The Petroleum Corporation of Delaware files this Second Amended Application requesting simultaneous dedication, the amendment of Administrative Order NSP-1290, and the amendment of Division Order No. R-7269, and in support thereof states:

Amendment of Division Order No. R-7269:

1. Applicant is the operator of the Superior Federal Well No. 6 located in the SW $\frac{1}{4}$ of Section 6, which is completed in and is producing from the East Burton Flat-Morrow Gas Pool, East Burton Flat-Atoka Gas Pool, and the East Burton Flat-Strawn Gas Pool.

2. The S $\frac{1}{2}$ of Section 6, Township 20 South, Range 29 East, N.M.P.M. (Eddy County, New Mexico), containing 299.84 acres, is dedicated to the Superior Federal Well No. 6.

3. By Order No. R-7269, entered April 25, 1983, The Division approved the dual completion of the Superior Federal Well No. 6 to produce from the Strawn and Morrow formations.

4. In May 1987 the Superior Federal Well No. 6 was recompleted, and one of the producing zones is in the Atoka formation.

WHEREFORE, Applicant requests the Division to enter its order amending Order No. R-7269 to permit production from the Atoka formation, retroactive to May 1987.

Amendment of Administrative Order NSP-1290:

5. The Superior Federal Well No. 6 is the subject of Administrative Order No. NSP-1290 as to the Morrow pool.

6. Applicant seeks the amendment of NSP-1290 to include the Strawn pool and the Atoka pool.

WHEREFORE, Applicant requests the Division to enter its order amending Administrative Order NSP-1290 to include the Strawn and Atoka pools.

Simultaneous Dedication:

7. Applicant proposes to drill its Superior Federal Well No. 7 in the SE $\frac{1}{4}$ of Section 6, at a standard location, to test the Strawn, Atoka, and Morrow formations.

8. The primary target of the Superior Federal Well No. 7 is the Strawn formation, but the well may be completed in the Morrow and Atoka formations.

9. Applicant seeks authority to simultaneously dedicate production from the subject Morrow, Atoka and Strawn pools in the S $\frac{1}{2}$ of said Section 6 to the Superior Federal Well Nos. 6 and 7.

WHEREFORE, Applicant requests the Division to enter its order permitting the simultaneous dedication of production from the Superior Federal Well Nos. 6 and 7 in the S½ of said Section 6.

Dated this __ day of December, 1988.

HINKLE, COX, EATON, COFFIELD &
HENSLEY

By _____
James Bruce
500 Marquette, N.W.
Suite 740
Albuquerque, New Mexico 87102
(505) 768-1500

Attorneys for The Petroleum Oil
Corporation of Delaware

Presidio Oil Company

3131 Turtle Creek Blvd. • Suite 400 • Dallas, Texas 75219-5415 • (214) 528-5898 • Facsimile (214) 528-2160

SUBSIDIARIES

Peake Operating Company
Presidio Energy, Inc.
Presidio Exploration, Inc.
The Delana Corporation
The Petroleum Corp. of Delaware

April 5, 1988

Jim Bruce
Hinkle, Fox, Eaton, Coffield & Hensley
218 Montezuma
Santa Fe, New Mexico 87504-7068

Dear Jim:

On April 4, I spoke with Darryl Moore with the New Mexico Oil and Gas Commission in Artesia concerning the Atoka/Morrow problem on the Superior Federal #6 well. New Mexico recognizes the top of the Atoka at 10488' and the top of the Morrow at 10990'. Originally, the well was completed below New Mexico's Morrow top. In May, 1987 the well was recompleted in several shallow zones, one of which was from 10952'-10958'. This zone is in the Atoka Formation. The well was producing 475 Mcf per day prior to the recompletion and 600 Mcf per day after. I don't feel that the Atoka zone is contributing a large volume of gas but is probably contributing some.

10495'
10943'

Presidio is allowed to produce from the Morrow and Strawn but the Atoka may be questionable. Any help you could give to rectify this situation would be greatly appreciated.

Sincerely,

PRESIDIO OIL COMPANY

Mark C. Poppendeck

Mark C. Poppendeck
Geologist

MCP/ds

+ Spoke w/ Darryl Moore 12/12/88
His Records do not show
Recompletion.



Hinkle, Fox, Eaton, Coffield & Hensley
Santa Fe, New Mexico 87501

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

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

CASE NO. 7568
Order No. R-7269

APPLICATION OF PETROLEUM CORP. OF
DELAWARE FOR A DUAL COMPLETION,
EDDY COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 o'clock a.m. on September 1, 1982, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 25th day of April, 1983, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

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

(2) That the applicant, Petroleum Corp. of Delaware, seeks authority to complete its Superior Federal Well No. 6 located in Unit N of Section 6, Township 20 South, Range 29 East, NMPM, Eddy County, New Mexico, as a dual completion (conventional) to produce gas from the Strawn formation through the casing tubing annulus and gas from the Morrow formation through tubing with separation of the two zones to be achieved by means of a packer.

(3) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices.

(4) That approval of the subject application will prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Petroleum Corp. of Delaware is hereby authorized to complete its Superior Federal Well No. 6

located in Unit N of Section 6, Township 20 South, Range 29 East, NMPM, East Burton Flat Field, Eddy County, New Mexico, as a dual completion (conventional) to produce gas from the Strawn formation through the casing-tubing annulus and gas from the Morrow formation through tubing with separation of the zones to be achieved by means of a packer set at an approximate depth of 10,710 feet.

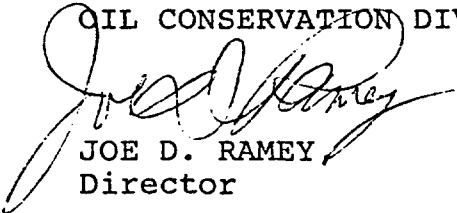
PROVIDED HOWEVER, that the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Division Rules and Regulations insofar as said rule is not inconsistent with this order;

PROVIDED FURTHER, that the applicant shall take a packer leakage test upon completion and annually thereafter during the Annual Shut-In Test Period for gas wells in Southeastern New Mexico.

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

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

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


JOE D. RAMEY
Director

S E A L



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

GARREY CARPENTERS
GOVERNOR

POST OFFICE BOX 2088
STATELAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

December 2, 1988

Hinkle, Cox, Eaton, Coffield & Hensley
500 Marquette, NM
Suite 740
Albuquerque, NM 87102-2121

Attention: James Bruce

RE: Case No. 9342, The application
of the Petroleum Corporation
of Delaware for Simultaneous
Dedication and to amend
Division Administrative Order
NSP-1290, Eddy County, New
Mexico.

Dear Mr. Bruce:

I am in receipt of your letter dated November 30, 1988 concerning the subject case heard on March 30, 1988 and taken under advisement on April 27, 1988. I am still in need of additional information before further action can be considered.

For the existing Superior Federal Well no. 6, it is my understanding that this well is presently completed in and producing from the East Burton Flat-Strawn Gas Pool, the Undesignated East Burton Flat-Atoka Gas Pool and the East Burton Flat-Morrow Gas Pool all of which are or should be dedicated to lots 6 and 7, the W/2 SW/4, and the SE/4 of Section 6, Township 20 South, Range 29 East, NMPM, Eddy County, New Mexico. Please submit to me information, preferably a detailed schematic, showing how this well is completed; are all three zones completed separately, or are the two lower zones downhole commingled or are all three zones downhole commingled. If any zones are presently downhole commingled, please refer to the Division Order authorizing such, if there is no order, authorization for such should be obtained when this case is reopened.

Also, please submit data, preferably a schematic, showing the proposed completion of the Superior Federal Well No. 7; any proposal for multiple completion and/or downhole commingling can be sought at the reopened hearing.

Hinkle, Cox, Eaton, Coffield & Hensley
December 2, 1988
Page No. 2

In conclusion, there has been a strict policy change at the Division concerning simultaneous dedication of wells in unreported pools, see attached copy of the July 27, 1988 Memorandum. Please be prepared to submit adequate testimony concerning this matter for all of the zones involved. If you decide to drop the idea of drilling the second well on the subject non-standard proration unit, please contact me.

We can decide at that time what requirements are needed to bring the existing well into compliance with the Division's Rules and Regulations.

Sincerely,

Michael E. Stogner
Chief Hearing Officer

MES/ag

cc: Oil Conservation Division - Artesia
✓ Case File: 9342
Vic Lyon



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

MEMORANDUM

TO: ALL OPERATORS
FROM: WILLIAM J. LEMAY, DIRECTOR *WJL*
SUBJECT: RULE 104 C II OF THE GENERAL RULES AND REGULATIONS
DATE: JULY 27, 1988

There has been some confusion about interpretation of the subject rule. In each paragraph of sections (a), (b) and (c) the rule states:

"Unless otherwise provided in special pool rules, each development well for a defined gas pool shall be located on a tract..."

My interpretation of this sentence is that each well is to be located on its own individual specified unit and an additional well is not authorized simply by meeting the set back requirements of the rule.

This interpretation is necessary to prevent waste from the drilling of unnecessary wells and to protect correlative rights of all parties in the pool. Since the prorated pools have special pool rules the subject rules have greater impact on unprorated gas. Unprorated does not mean unregulated. Allowables are not issued in unprorated pools and the only method available to protect correlative rights is the control of well density and locations. Added well density required because of special geological situations can be addressed by special pool rules after notice and hearing.

Applications for additional wells on existing proration units will be approved only on the understanding that upon completion of the well the operator shall elect which well will be produced and which will be abandoned. Application to produce both wells will be approved only after notice and hearing and upon compelling evidence that the applicant's correlative rights will be impaired unless both wells are produced.

dr/

HINKLE, COX, EATON, COFFIELD & HENSLEY

ATTORNEYS AT LAW

500 MARQUETTE N.W., SUITE 740
ALBUQUERQUE, NEW MEXICO 87102-2121
(505) 768-1500

LEWIS C. COX
PAUL W. EATON
CONRAD E. COFFIELD
HAROLD L. HENSLEY, JR.
STUART D. SHANOR
C. D. MARTIN
PAUL J. KELLY, JR.
OWEN M. LOPEZ
DOUGLAS L. LUNSFORD
JOHN J. KELLY
T. CALDER EZZELL, JR.
WILLIAM B. BJORFORD
RICHARD E. OLSON
RICHARD R. WILFONG
STEVEN D. ARNOLD
JAMES J. WECHSLER
NANCY S. CJSACK
JEFFREY L. FORNACIARI
JEFFREY D. HEWETT
JAMES BRUCE
JERRY F. SHACKELFORD
JEFFREY W. HELLBERG
ALBERT L. PITTS
THOMAS M. HNASKO

JOHN C. CHAMBERS
THOMAS D. HAINES, JR.
FRANKLIN H. MCCALLUM
GREGORY J. NIBERT
DAVID T. MARKETTE
MARK C. DOW
FRED W. SCHWENDIMANN
DAVID MORAN
JAMES R. MACDAMS
JAMES M. HUDSON
MACDONNELL GORDON
REBECCA NICHOLS JOHNSON
PAUL R. NEWTON
WILLIAM P. JOHNSON
KAREN M. RICHARDSON
ELLEN S. CASEY
MARGARET C. LUDWIG
SUSAN L. NIESER
MARTIN MEYERS
GREGORY S. WHEELER
ANDREW J. CLOUTIER
IWANA RADEMAEKERS
S. BARRY PAISNER

OF COUNSEL
O. M. CALHOUN
WACK EASLEY
JOE W. WOOD
STEPHEN L. ELLIOTT

CLARENCE E. HINKLE (1904-1985)
W. E. BONDURANT, JR. (1913-1973)
ROY C. SNOODGRASS, JR. (1914-1987)

*NOT LICENSED IN NEW MEXICO

700 UNITED BANK PLAZA
POST OFFICE BOX 10
ROSWELL, NEW MEXICO 88202
(505) 622-6510

2800 CLAYDESTA NATIONAL BANK BUILDING
POST OFFICE BOX 3580
MIDLAND, TEXAS 79702
(915) 683-4691

1700 TEXAS AMERICAN BANK BUILDING
POST OFFICE BOX 9238
AMARILLO, TEXAS 79105
(806) 372-5569

218 MONTEZUMA
POST OFFICE BOX 2068
SANTA FE, NEW MEXICO 87504
(505) 982-4554

January 25, 1988

Mr. Michael E. Stogner
New Mexico Oil Conservation
Division
P. O. Box 2088
Santa Fe, New Mexico 87504

Re: Case No. 9342, The Application of Petroleum Corporation
of Delaware for Simultaneous Dedication

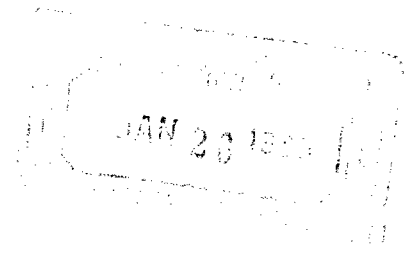
Dear Mike:

Enclosed is a copy of the latest letter I sent to my client,
and a copy of the Second Amended Application which I have
prepared. Please review the Application and see if it
includes all items necessary to satisfy your concerns. If
so, I will be filing it shortly. Thank you for your
attention to this matter.

Very truly yours,


JAMES BRUCE

JB:le
Enclosures



BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

APPLICATION OF THE PETROLEUM)
CORPORATION OF DELAWARE FOR)
SIMULTANEOUS DEDICATION, THE)
AMENDMENT OF ADMINISTRATIVE)
ORDER NO. NSP-1290, AND THE)
AMENDMENT OF ORDER NO. R-7269,)
EDDY COUNTY, NEW MEXICO.)

Case No. 9342

SECOND AMENDED APPLICATION

The Petroleum Corporation of Delaware files this Second Amended Application requesting simultaneous dedication, the amendment of Administrative Order NSP-1290, and the amendment of Division Order No. R-7269, and in support thereof states:

Amendment of Division Order No. R-7269:

1. Applicant is the operator of the Superior Federal Well No. 6 located in the SW $\frac{1}{4}$ of Section 6, which is completed in and is producing from the East Burton Flat-Morrow Gas Pool, East Burton Flat-Atoka Gas Pool, and the East Burton Flat-Strawn Gas Pool.

2. The S $\frac{1}{2}$ of Section 6, Township 20 South, Range 29 East, N.M.P.M. (Eddy County, New Mexico), containing 299.84 acres, is dedicated to the Superior Federal Well No. 6.

3. By Order No. R-7269, entered April 25, 1983, The Division approved the dual completion of the Superior Federal Well No. 6 to produce from the Strawn and Morrow formations.

4. In May 1987 the Superior Federal Well No. 6 was recompleted, and one of the producing zones is in the Atoka formation.

WHEREFORE, Applicant requests the Division to enter its order amending Order No. R-7269 to permit production from the Atoka formation, retroactive to May 1987.

Amendment of Administrative Order NSP-1290:

5. The Superior Federal Well No. 6 is the subject of Administrative Order No. NSP-1290 as to the Morrow pool.

6. Applicant seeks the amendment of NSP-1290 to include the Strawn pool and the Atoka pool.

WHEREFORE, Applicant requests the Division to enter its order amending Administrative Order NSP-1290 to include the Strawn and Atoka pools.

Simultaneous Dedication:

7. Applicant proposes to drill its Superior Federal Well No. 7 in the SE $\frac{1}{4}$ of Section 6, at a standard location, to test the Strawn, Atoka, and Morrow formations.

8. The primary target of the Superior Federal Well No. 7 is the Strawn formation, but the well may be completed in the Morrow and Atoka formations.

9. The drilling of the Superior Federal Well No. 7 is necessary to adequately produce the reserves underlying the S $\frac{1}{2}$ of Section 6.

10. Applicant seeks authority to simultaneously dedicate production from the subject Morrow, Atoka and Strawn

pools in the S $\frac{1}{2}$ of said Section 6 to the Superior Federal Well Nos. 6 and 7.

WHEREFORE, Applicant requests the Division to enter its order permitting the simultaneous dedication of production from the Superior Federal Well Nos. 6 and 7 in the S $\frac{1}{2}$ of said Section 6.

11. The granting of this Application is in the interests of conservation, the prevention of waste, and the protection of correlative rights.

Dated this __ day of January, 1989.

HINKLE, COX, EATON, COFFIELD &
HENSLEY

By _____
James Bruce
500 Marquette, N.W.
Suite 740
Albuquerque, New Mexico 87102
(505) 768-1500

Attorneys for The Petroleum
Corporation of Delaware

HINKLE, COX, EATON, COFFIELD & HENSLEY

ATTORNEYS AT LAW

500 MARQUETTE N.W., SUITE 740
ALBUQUERQUE, NEW MEXICO 87102-2121
(505) 768-1500

LEWIS C. COX
PAUL W. EATON
CONRAD E. COFFIELD
HAROLD L. HENSLEY JR.
STUART D. SHANOR
C. D. MARTIN
PAUL J. KELLY JR.
OWEN M. LOPEZ
DOUGLAS L. LUNSFORD
JOHN J. KELLY
T. CALDER EZZELL, JR.
WILLIAM B. BURFORD
RICHARD E. OLSON
RICHARD R. WILFONG
STEVEN D. ARNOLD
JAMES J. WECHSLER
NANCY S. CUSACK
JEFFREY L. FORNACIARI
JEFFREY D. HEWETT
JAMES BRUCE
JERRY F. SHACKELFORD
JEFFREY W. HELLBERG
ALBERT L. PITTS
THOMAS M. HRASKO

JOHN C. CHAMBERS*
THOMAS D. HAINES, JR.
FRANKLIN H. MCCALLUM*
GREGORY J. NIBERT
DAVID T. MARKETTE*
MARK C. DOW
FRED W. SCHWENDIMANN
DAVID MORAN
JAMES R. MCADAMS*
JAMES M. HUDSON
MACDONNELL GORDON
REBECCA NICHOLS JOHNSON
PAUL R. NEWTON
WILLIAM R. JOHNSON
KAREN M. RICHARDSON*
ELLEN S. CASEY
MARGARET C. LUDWIG
SUSAN L. NIESER*
MARTIN MEYERS
GREGORY S. WHEELER
ANDREW J. CLOUTIER
WANA RADEMAEKERS*
S. BARRY PAISNER

OF COUNSEL
O. M. CAL-OUN
MACK EASLEY
JOE W. AOOD
STEPHEN L. ELLIOTT

CLARENCE E. HINKLE (1901-1985)
W. E. BONDURAN, JR. (1913-1973)
ROY C. SNOODGRASS, JR. (1914-1987)

*NOT LICENSED IN NEW MEXICO

700 UNITED BANK PLAZA
POST OFFICE BOX 10
ROSWEEL, NEW MEXICO 88202
(505) 622-6510

2800 CLAYDESTA NATIONAL BANK BUILDING
POST OFFICE BOX 3580
MIDLAND, TEXAS 79702
(915) 683-4691

1700 TEXAS AMERICAN BANK BUILDING
POST OFFICE BOX 9238
AMARILLO, TEXAS 79105
(806) 372-5569

218 MONTEZUMA
POST OFFICE BOX 2068
SANTA FE, NEW MEXICO 87504
(505) 982-4554

January 19, 1989

Mr. Larry Shannon
Presidio Oil Company
3131 Turtle Creek Boulevard
Suite 400
Dallas, Texas 75219

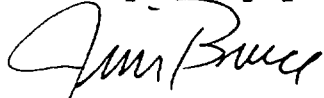
Re: OCD Case No. 9342, Simultaneous Dedication of Superior
Fed. No. 6 and Superior Fed. No. 7 Wells

Dear Larry:

I wrote you on November 30, 1988 regarding bringing the above case to a conclusion. The OCD has again asked me the status of this matter. If we do not respond promptly, the case could be dismissed. In addition, the Superior Fed. Well No. 6 is currently producing from the Atoka formation although there is no OCD order authorizing Atoka production. If we do not get this matter cleared up promptly, the OCD might shut the well in until the proper authority is obtained.

Please contact me about this matter.

Very truly yours,


JAMES BRUCE
JB:le

HINKLE, COX, EATON, COFFIELD & HENSLEY

ATTORNEYS AT LAW

500 MARQUETTE N.W., SUITE 740

ALBUQUERQUE, NEW MEXICO 87102-2121

(505) 768-1500

LEWIS C. COX
PAUL W. EATON
CONRAD E. COFFIELD
HAROLD L. HENSLEY JR.
STUART D. SHANOR
C. D. MARTIN
PAUL J. KELLY JR.
OWEN M. LOPEZ
DOUGLAS L. LUNSFORD
JOHN J. KELLY
T. CALDER EZZELL, JR.
WILLIAM B. BURFORD*
RICHARD E. OLSON
RICHARD R. WILFONG*
STEVEN D. ARNOLD
JAMES J. WECHSLER
NANCY S. CUSACK
JEFFREY L. FORNACIARI*
JEFFREY D. HEWETT*
JAMES BRUCE
JERRY F. SHACKELFORD*
JEFFREY W. HELLBERG*
ALBERT L. PITTS
THOMAS M. HNASKO
JOHN C. CHAMBERS*
THOMAS D. HAINES, JR.
FRANKLIN H. MCCALLUM*
GREGORY J. HIBERT

DAVID T. MARKETTE*
MARK C. DOW
KAREN M. RICHARDSON*
FRED W. SCHWEND-MANN
DAVID MORAN
JAMES R. MCADAMS*
JAMES M. HUDSON
MACDONNELL GORDON
REBECCA NICHOLS JOHNSON
PAUL R. NEWTON
WILLIAM P. JOHNSON
ELLEN S. CASEY
MARGARET C. LUDWIG
PATRICIA A. WATTS*
MARTIN MEYERS
GREGORY S. WHEELER
ANDREW J. CLOUTIER
IWANA RADEMAEKERS*
S. BARRY PAISNER
W. CRAIG BARLOW*
ROBERT W. CASE*
JAMES A. GILLESPIE
KAREN L. COLLIER*
GARY W. LARSON
STEPHANIE LANDRY

OF COUNSEL
O. M. CALHOUN
MACK EASLEY
JOE W. WOOD
STEPHEN L. ELLIOTT

CLARENCE E. HINKLE (1901-1985)
W. E. BONDURANT, JR. (1913-1973)
ROY C. SNODGRASS, JR. (1914-1987)

*NOT LICENSED IN NEW MEXICO

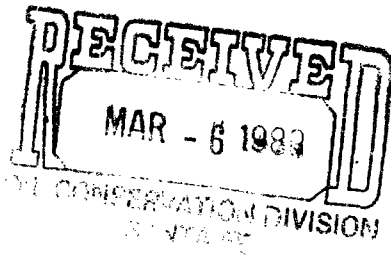
700 UNITED BANK PLAZA
POST OFFICE BOX 10
ROSWELL, NEW MEXICO 88202
(505) 622-6510

2800 CLAYDESTA NATIONAL BANK BUILDING
POST OFFICE BOX 3580
MIDLAND, TEXAS 79702
(915) 683-4691

1700 TEXAS AMERICAN BANK BUILDING
POST OFFICE BOX 9238
AMARILLO, TEXAS 79105
(806) 372-5569

218 MONTEZUMA
POST OFFICE BOX 2068
SANTA FE, NEW MEXICO 87504
(505) 982-4554

February 28, 1989



Mr. Michael E. Stogner
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504

Re: OCD Case No. 9342; The Application of the Petroleum Corporation of Delaware

Dear Mike:

We're making progress on the above matter, and I will be filing an amended application in March, looking toward an April hearing. Basically, we will be dropping the simultaneous dedication portion of the application, and requesting downhole commingling of production from the Morrow and Atoka formations. Relief from the requirement for separate testing of zones will be requested. We will also file, prior to hearing, the information requested by statewide Rule 303(C).

Please call if you have any questions.

Very truly yours,


JAMES BRUCE

HINKLE, COX, EATON, COFFIELD & HENSLEY

ATTORNEYS AT LAW

500 MARQUETTE N.W., SUITE 740
ALBUQUERQUE, NEW MEXICO 87102-2121

(505) 768-1500

LEWIS C. COX
PAUL W. EATON
CONRAD E. COFFIELD
HAROLD L. HENSLEY, JR.
STUART D. SHANOR
C. D. MARTIN
PAUL J. KELLY, JR.
OWEN M. LOPEZ
DOUGLAS L. LUNSFORD
JOHN J. KELLY
T. CALDER EZZELL, JR.
WILLIAM B. BURFORD*
RICHARD E. OLSON
RICHARD R. WILFONG*
STEVEN D. ARNOLD
JAMES J. WECHSLER
NANCY S. CUSACK
JEFFREY J. FORNACIARI
JEFFREY D. HEWETT*
JAMES BRUCE
JERRY F. SHACKELFORD*
JEFFREY W. HELLBERG*
ALBERT L. PITTS
THOMAS M. HNASKO
JOHN C. CHAMBERS*
THOMAS D. HANES, JR.
FRANKLIN H. MCALLUM*
GREGORY J. NIBERT

DAVID T. MARKETTE*
MARK C. DOW
KAREN M. RICHARDSON*
FRED W. SCHWENDIMANN
DAVID MORAN
JAMES R. MCADAMS*
JAMES M. HUDSON
MACDONNELL GORDON
REBECCA NICHOLS JOHNSON
PAUL R. NEWTON
WILLIAM R. JOHNSON
ELLEN S. CASEY
MARGARET C. LUDEWIG
PATRICIA A. WATTS*
MARTIN MEYERS
GREGORY R. WHEELER
ANDREW J. CLOUTIER
IWANA RADEMAEKERS*
S. BARRY PAISNER
W. CRAIG BARLOW*
ROBERT W. CASE*
JAMES A. GILLESPE
KAREN L. COLLIER*
GARY W. LARSON
STEPHANIE LANDRY

OF COUNSEL
O. M. CALHOUN
MACK EASLEY
JOE W. WOOD
STEPHEN L. ELLIOTT

CLARENCE E. HINKLE (1901-1985)
W. E. BONDURANT, JR. (1913-1973)
ROY C. SNODGRASS, JR. (1914-1987)

*NOT LICENSED IN NEW MEXICO

700 UNITED BANK PLAZA
POST OFFICE BOX 10
ROSWELL, NEW MEXICO 88202
(505) 622-6510

2800 CLAYDESTA NATIONAL BANK BUILDING
POST OFFICE BOX 3580
MIDLAND, TEXAS 79702
(915) 683-4691

1700 TEXAS AMERICAN BANK BUILDING
POST OFFICE BOX 9238
AMARILLO, TEXAS 79105
(806) 372-5569

218 MONTEZUMA
POST OFFICE BOX 2068
SANTA FE, NEW MEXICO 87504
(505) 982-4554

April 11, 1989

Mr. Michael E. Stogner
New Mexico Oil Conservation
Division
P.O. Box 2088
Santa Fe, New Mexico 87504

Re: Case No. 9342

Dear Mike:

Enclosed is an original and two copies of the Second Amended Application of the Petroleum Corporation of Delaware in the above matter. Please set this case for the next available examiner hearing, which I believe is May 10, 1989. Please call me if you have any questions.

Very truly yours,

Jim Bruce
JAMES BRUCE

JB:le
Enclosures

OIL CONSERVATION

HINKLE, COX, EATON, COFFIELD & HENSLEY

ATTORNEYS AT LAW

218 MONTEZUMA

POST OFFICE BOX 2068

SANTA FE, NEW MEXICO 87504-2068

(505) 982-4554

2800 CLAYDESTA NATIONAL BANK BUILDING

POST OFFICE BOX 3580

MIDLAND, TEXAS 79702

(915) 683-4691

1700 TEXAS AMERICAN BANK BUILDING

POST OFFICE BOX 9238

AMARILLO, TEXAS 79105

(806) 372-5569

700 UNITED BANK PLAZA

POST OFFICE BOX 10

ROSWELL, NEW MEXICO 88202

(505) 622-6510

LEWIS C. COX
PAUL W. EATON
CONRAD E. COFFIELD
HAROLD L. HENSLEY, JR.
STUART D. SHANOR
C. D. MARTIN
PAUL J. KELLY, JR.
OWEN M. LOPEZ
DOUGLAS L. LUNSFORD
T. CALDER EZZELL, JR.
WILLIAM B. BURFORD
RICHARD E. OLSON
RICHARD A. SIMMS
RICHARD R. WILFONG
STEVEN D. ARNOLD
JAMES J. WECHSLER
NANCY S. CUSACK
JEFFREY L. FORNACARI
JEFFREY D. HEWETT
JAMES BRUCE
JERRY F. SHACKELFORD
JEFFREY W. HELLBERG

ALBERT L. PITTS
THOMAS M. HNASKO
JOHN C. CHAMBERS
THOMAS D. HAINES, JR.
FRANKLIN H. MCCALLUM
GREGORY J. NIBERT
DAVID T. MARKETTE
FRED W. SCHWENDIMANN
JAMES R. MCADAMS
JAMES M. HUDSON
MACDONNELL GORDON
REBECCA NICHOLS JOHNSON
PAUL R. NEWTON
WILLIAM P. JOHNSON
KAREN M. RICHARDSON
ELLEN S. CASEY
JAMES C. BROCKMANN
SUSAN L. NIESER
MARK A. WILSON
GREGORY S. WHEELER
ANDREW J. CLOUTIER

OF COUNSEL
O. M. CALHOUN
MACK EASLEY
JOE W. WOOD
STEPHEN L. ELLIOTT

CLARENCE E. HINKLE (1901-1985)
W. E. BONDURANT, JR. (1913-1973)
ROY C. SNOODGRASS, JR. (1915-1987)

*NOT LICENSED IN NEW MEXICO

March 30, 1988

Florene Davidson
New Mexico Oil Conservation Division
Post Office Box 2088
Santa Fe, New Mexico 87504-2088

Re: Case No. 9342

Dear Florene:

Enclosed is an original and two (2) copies of an Amended Application in the above case. Please set this for hearing on April 27th. Also, please see to it that Mike Stogner sees a copy of this Amended Application. Thank you.

Very truly yours,

HINKLE, COX, EATON,
COFFIELD & HENSLEY


James Bruce

JGB:jr

HINKLE, COX, EATON, COFFIELD & HENSLEY

ATTORNEYS AT LAW

2800 CLAYDESTA NATIONAL BANK BUILDING

POST OFFICE BOX 3580

MIDLAND, TEXAS 79702

(915) 683-4691

700 UNITED BANK PLAZA

POST OFFICE BOX 10

ROSWELL, NEW MEXICO 88201

(505) 622-6510

1700 TEXAS AMERICAN BANK BUILDING

POST OFFICE BOX 9238

AMARILLO, TEXAS 79105

(806) 372-5569

218 MONTEZUMA

POST OFFICE BOX 2068

SANTA FE, NEW MEXICO 87504

(505) 982-4554

LEWIS C. COX*
PAUL W. EATON
CONRAD E. COFFIELD
HAROLD L. HENSLEY JR.*
STUART D. SHANOR*
C. D. MARTIN
PAUL J. KELLY JR.*
OWEN M. LOPEZ*
DOUGLAS L. LUNSFORD*
T. CALDER EZZELL, JR.*
WILLIAM B. BURFORD
RICHARD E. OLSON*
RICHARD A. SIMMS*
RICHARD R. WILFONG
STEVEN D. ARNOLD
JAMES J. WECHSLER*
NANCY S. CUSACK*
JEFFREY L. FORNACIARI*
JEFFREY D. HEWETT
JAMES BRUCE*
JERRY F. SHACKELFORD
JEFFREY W. HELLBERG

ALBERT L. PITTS*
THOMAS M. HNASKO*
JOHN C. CHAMBERS
FRED W. SCHWENDIMANN
THOMAS D. HAINES, JR.*
FRANKLIN H. MCCALLUM
ALLEN G. HARVEY
GREGORY J. NIBERT*
DAVID T. MARKETTE
JAMES R. MCADAMS
JAMES M. HUDSON*
MACDONNELL GORDON*
REBECCA NICHOLS JOHNSON*
PAUL R. NEWTON*
WILLIAM R. JOHNSON
KAREN M. RICHARDSON
ELLEN S. CASEY*
JAMES C. BROCKMANN*
SUSAN L. NIESER
MARK A. WILSON

OF COUNSEL
C. M. CALHOUN
MACK EASLEY
JOE W. WOOD
STEPHEN L. ELLIOTT

CLARENCE E. HINKLE (1904-1985)
W. E. BONDURANT, JR. (1931-1973)
ROY C. SNODGRASS, JR. (1915-1987)

*NOT LICENSED IN TEXAS

Oil Conservation Division
Post Office Box 2088
Santa Fe, New Mexico 87501

Attention: Florene Davidson

Re: Burton Flat Pool - Application
for Simultaneous Dedication

Dear Florene:

In line with our telephone conversations earlier this week, I am transmitting herewith the written Application for Hearing in connection with The Petroleum Corporation of Delaware's request for authority for simultaneous dedication of two wells to be located in one 320 acre proration spacing unit. This Application is submitted in triplicate and I trust covers everything which is needed in order to place this case on the docket for hearing on March 30, 1988. If anything more is needed, please call.

Thank you.

Very truly yours,

HINKLE, COX, EATON,
COFFIELD & HENSLEY

CEC:cl

Conrad E. Coffield

copies: Mr. Mike Canale
Presidio Oil Company
3131 Turtle Creek, Suite 400
Dallas, Texas 75219

Mr. Jim Bruce
Post Office Drawer 2068
Santa Fe, New Mexico 87504

called in by Conrad Coffield
2/24/88

Memo

From
FLORENE DAVIDSON
OC Staff Specialist

To March 30, 1988

Petroleum Corporation of
Delaware

Simultaneous dedication
Eddy County
5/2

Section 6, T20S, R29E
Burton Flat - Morrow Gas
Existing well - Superior Fed.
#6 in SW1/4

Well to be drilled - Superior
Federal #7 - SE1/4

Morrow formation

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Use "APPLICATION FOR PERMIT" for each propound.

100

Introduction

10001 North Highway, Dallas, Texas 75219

_____ and in accordance with any state requirements.*

Box Letter "J", 1980' FEL & 1980' FSL, Section 6,
TMS-R29E, Eddy County, New Mexico

1997

18. REMARKS (Show whether NF, NY, CN, etc.)

3270 GR

12. CONCLUSIONS

Eddy

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

2000 年 1 月 1 日 12 月 31 日 30 日

SUBSEQUENT REPORT OF

1987 年 12 月 15 日

PEEL OR ALTER CASING

WATER SHUT-OFF

TRACTION TREATMENTS

[illegible]

RESEARCH

(Other) See 2/20/2000

Completion or Recommendation Report

10. COMMENTS ON COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent data, including surface and bottom elevations, and, if applicable, the nature and extent of any obstructions. If well is directionally drilled, give subsurface locations and measured and true vertical depths of all subsurface obstructions.)

February 17, 1971 after drilling 9-1/2 inch hole to 433 feet, ran 8-1/2 inch 1-53 Casing to 433 feet. Cemented with 50 sacks cement. Job Complete.

RECEIVED

APR 9 1971

D. C. C.
ARTONA, OFFICE

RECEIVED

APR - 8 1971

APR 1951
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

that the foregoing is true and correct

W. J. O'Flaherty

TITLE Petroleum Engineer

DATE April 5, 1972

10-10-68 11:00 AM (State office time)

COPIES OF THIS REPORT ARE AVAILABLE ON APPROVAL OF ANY:

TITLE

DE

RECORD PURCHASE

Engineering

***See Instructions on Reverse Side**

N. M. O. C. C. COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE
(Other instructions in form)

Form Approved
GSA GEN. REG. NO. 27
MAY 1962 EDITION
GSA GEN. REG. NO. 27

SUNDAY NOTICES AND REPORTS ON WELLS

This form is used for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.

1. ☒ OIL WELL ☐ OTHER

2. DRILLING COMPANY

The Petroleum Corporation

3. ADDRESS OF OPERATOR

1009 Lee Parkway, Dallas, Texas 75219

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also page 17 below.)

Unit Letter "J", 1980' PBL & 1980' FSL, Section 6,
T20S-R29E, Eddy County, New Mexico

5. PERMIT NO.

6. ELEVATIONS (Show whether SP, ST, GR, etc.)

3270 GR

7. COUNTY

Eddy

New Mexico

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

STOP WORK SHUT-OFF

FRACURE TREATMENT

SHOOTING OR ACIDIZING

REPAIR WELL

(Check)

PULL OR ALTER CASING

MULTIPLE COMPLETS

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT ON:

WATER SHUT-OFF

FRACURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Running 13-3/8" casing

(Note: Report results of multiple completions, water shut-off, completion or recompletion, shooting or acidizing, etc.)

REPAIRING WELL

ABANDONING WELL

ABANDONING WELL

ABANDONING WELL

ABANDONING WELL

8. SUMMARY OF COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including whether or not the well was plugged back, if well is directionally drilled, give subsurface locations and measured and true vertical depths for all completions and casing to this work.)

On January 29, 1971 moved in and drilled 17-1/2 inch hole to 20 feet. Ran casing of 13-3/8", 48#/ft., H-40 casing and cemented w/Ready Mix Concrete. Job completed 1/29/71.

RECEIVED

APR 5 1971

RECEIVED

APR 5 1971

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

9. I hereby certify that the foregoing is true and correct

Sam C. Chan

TITLE Petroleum Engineer

DATE April 5, 1971

(This space for Federal or State office use)

APPROVED BY
COMMISSIONER OF APPROVAL IF ANY:

TITLE

DATE

FOR RECORD PURPOSES
Sam C. Chan
Petroleum Engineer

*See instructions on Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-67

All distances must be from the outer boundaries of the Section

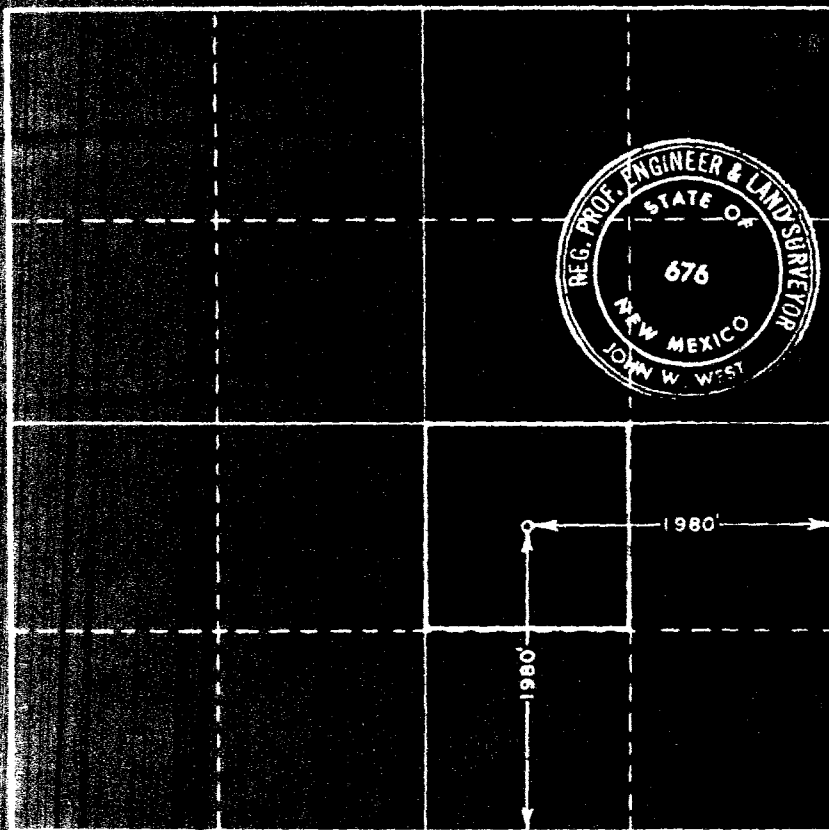
Owner THE PETROLEUM CORP.			Lease SUPERIOR FEDERAL			Well No. 1
Well Label 1	Section 6	Township 20 SOUTH	Range 29 EAST	County EDDY		
Approximate Location of Well: 1980 feet from the SOUTH line and 1980 feet from the EAST line						
Producing Formation YATES	Pool WILDCAT		Dedicated Acreage: 40 Acres			

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

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or 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.

Name *John W. West*

Position

GEOLOGIST

Company

THE PETROLEUM CORP.

Date

JANUARY 27, 1971

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 Surveyed

JANUARY 27, 1971

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. **676**



EDDY COUNTY

NEW MEXICO

WILDCAT

Well: THE PETROLEUM CORP. 1 Superior-Federal

Result: D&A WF

Locn: E/part county, 16 mi SW/Loco Hills; 1980' FS&EL's sec 6-20S-29E; 1½ mi NE/Russell
(Yates) Fld; ¼ mi E-SE/1459' failure.

Spud: 1-30-71; Comp: 3-18-71; Elev: 3283' grd; TD: 1352'

Casing: 10½" IOD

Comp Info: No cores or tests; Ran logs; C/C.E. Roach Drlg. Co.

Tops: NR

API No.: 30-015-20374

© COPYRIGHTED 1971
REPRODUCTION PROHIBITED



Petroleum Information

CORPORATION

A Subsidiary of A.C. Nielsen Company

Date: 4-21-71

Card No.: 6 rm

INSTRUCTIONS

[illegible]

38. GEOLOGIC MARKERS		
NAME		
DEPTH		
1133	TD	Porosity encountered @ 1130'. Well bore filled with water to within 600 feet of the surface. (Cl-110, 050 ppm)

N. M. O. C. C. CO.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PERMIT IN TRIPLICATE
(Other instructions on back)

NM-010076

MINISTRY NOTICES AND REPORTS ON WELLS

(This form is to be filled out by the owner of the well or by the person in charge of the well at the time of the inspection. It is to be filled out for each well inspected. It is to be filled out for each well inspected. It is to be filled out for each well inspected.)

1. Name of owner or operator
Western Company

2. Address
Dallas, Texas 75219

3. Name of well
J. NEW FEL. & 1980' FSL, Section 6,
Baldy County, New Mexico

4. Name of well (If different from 3.)

5770 GR

Check appropriate box to indicate nature of notice, report, or other data

NATURE OF INSPECTION BY:		SUGGESTED REPORT OF:	
☐ FULL OR ALTHO Casing ☐ MILEAGE COMPLETE ☐ (Other) ☐ CRACKS PLUG	☒	☐ WATER SHUT-OFF ☐ FRACTURE TREATMENT ☐ REMOVAL OF ACIDIZING ☐ (Other)	☐ REPAIRS ☐ ALTERED Casing ☐ REMOVED

(Note: Report results of multiple inspections. (If necessary, state all pertinent details and give pertinent data, including estimated and measured and true vertical depth for all measurements.)

Receives total depth of 1352 feet on March 15, 1971. Western Company has
received verbal permission from
Baldy County to plug the well and release the rig.

Log 22-100' -- 100' plug from 1352 to 1252 feet.
Log 22-100' -- 100' plug, 30' inside and outside 8-5/8" casing.
Log 10-100' plug in surface and place marker.

RECEIVED
MAR 24 1971
U.S. DEPT. OF THE INTERIOR
ANTICLINAL OFFICE

RECEIVED
MAR 24 1971
U.S. DEPT. OF THE INTERIOR
ANTICLINAL OFFICE

5. Name of person making inspection (Print name and correct)

6. Signature of person making inspection (Print name and correct)

TITLE Petroleum Engineer

DATE March 24, 1971

7. Name of person making inspection (Print name and correct)

8. Signature of person making inspection (Print name and correct)

TITLE

DATE

*See instructions on Reverse Side

6-23-82

Aug 4 1982

EL PASO NATURAL GAS COMPANY

EL PASO EXPLORATION CO. EL PASO EXPLORATION CO.

ROY McGOVERN ROY McGOVERN

APTESA OFFICE

Superior

Eddy

New Mexico

11,600 11,559 3274.46K

3.958 10,600 11,177 11,314

1.995 10,753 10,710

186 11,240

11,240 .626 .8 .38 .08 3" 1g.

371	2.89	90	2180			1 hr.
378	6.25	97	2032			1 hr.
385	12.35	87	1978			1 hr.
395	20.25	83	1875			1 hr.

33.32	384.2	.9743	1.264	1.020	315
40.45	391.2	.9662	1.264	1.029	404
60.6"	396.2	.9750	1.264	1.051	601
90.69	406.2	.97	1.264	1.055	897

Dry

554 1.51 .943

557 1.53 .94

547 1.50 .940

545 1.49 .935

4810.1

2045.0 4185.9 624.2

1991.9 3971.5 838.6

1891.8 3578.8 1231.3

1781.8 3178.2 1631.9

2,534 47.5 .216

Made no fluid during test.

AUG 08 1982

100

Q-441, 1945

OIL CONSERVATION DIVISION
P. O. BOX 100
ARTESIA, NM 88210

NOTICE OF GAS CONNECTION:

DATE June 11, 1982

This is to notify the Oil Conservation Division that connection for the purchase
of gas from the The Petroleum Corporation
OPERATOR

Superior Federal #6 - Morrow Eddy N 6-208-291
LEASE & WELL COUNTY UNIT S-1-M
East Burton Flat Morrow El Paso Natural Gas Co.
POOL NAME OF PURCHASER

was made on June 10, 1982 DATE 16014 SITE CODE 01 SITE WELL

El Paso Natural Gas Co.
PURCHASER

REPRESENTATIVE

Assistant Chief Division Dispatcher

TITLE

TRE: b1

cc: Operator

Oil Conservation Division - Santa Fe, NM

M. E. McEuen

Proration

Measurement - Jal

R. L. Tabb

Earl Smith

File

JUN 23 1982

RECEIVED

OIL CONSERVATION DIVISION
P. O. BOX 88210
ARTESIA, NM 88210

June 11, 1982

JUN 22 1982

O. C. D.
ARTESIA OFFICE

NOTICE OF GAS CONNECTION

This is to notify the Oil Conservation Division that connection for the purchase of gas from the _____

The Petroleum Corporation
OPERATOR

Eddy

COUNTY

El Paso Natural Gas Co.
NAME OF PURCHASER

WM-20S-29E

UNIT S-T-R

Superior Federal #6 - Strawn
LEASE & WELL

East Burton Flat Strawn
POOL

16013
SITE CODE

DATE WELL NO.

was made on June 10, 1982
DATE

El Paso Natural Gas Co.
PURCHASER

REPRESENTATIVE

Assistant Chief Division Dispute
TITLE

TRE:bl
cc: Operator
Oil Conservation Division - Santa Fe, NM

M. L. McEuen
Proration
Measurement - Jal
E. L. Tabb
Earl Smith
File

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

☐ Annual ☐ Special Test Date: 7-2-83		RECEIVED AUG 4 1982	
El Paso Natural Gas Company		Connection: El Paso Natural Gas Company	
Formation: Strawn		Unit: ARTENA OFFICE	
Well No.: 11,600	Plug No. 1 TD: 11,559	Elevation: 10,282	Form or Lease Name: Superior
Perforations: From 10,282 To 10,294	Well No.: 6		
Perforations: From To	Unit: N	Sec.: 6	Twp.: 20 Range: 20
Section Set At: 10,710		County: Eddy	
Mean Annual Temp. °F: 60.0		State: New Mexico	
% CO ₂ : .30	% N ₂ : .38	Proven: 4.027	Total: Flg.

DIVISION DATA				TUBING DATA		CANNING DATA		Duration of Flow
Well	Flow Rate	Pressure	Temp. °F	Pressure	Temp. °F	Pressure	Temp. °F	
11,600	48	2.56	85			1690		
11,600	48	6.76	86			1658		1 hr
11,600	48	17.64	86			1640		1/2 hr.
11,600	48	35.40	90			1600		1 hr.
11,600	48	90.25	84			1527		1 hr.
11,600	48					1415		1 hr.

RATE OF FLOW CALCULATIONS						
Pressure P _m	Flow Temp. Factor F _L	Gravity Factor F _g	Super. Compress. Factor, F _{sp}	Rate of Flow Q, Mcfd		
511.2	.9768	1.264	1.041	123		
505.2	.9759	1.264	1.040	199		
507.2	.9759	1.264	1.040	323		
510.2	.9723	1.264	1.039	456		
511.2	.9777	1.264	1.041	735		

Gas Liquid Hydrocarbon Ratio: dry Mcf/Bbl.	
A.P.I. Gravity of Liquid Hydrocarbons: 626	
Specific Gravity Separator Gas: .626	
Specific Gravity Flowing Fluid: .671	
Critical Pressure: 671 P.S.I.A.	
Critical Temperature: 365 °F	

$(1) \frac{P_c^2}{P_m^2 - P_c^2} = 3.381$	$(2) \frac{P_c^2}{P_m^2 - P_c^2} = 2.612$
ACQ = O $\left[\frac{P_c^2}{P_m^2 - P_c^2} \right]^n = 1,920$	

1,920 Mcfd @ 15.025	Angle of Slope °: 51.75	Slope, n: .788
---------------------	-------------------------	----------------

Calculated by: Roy McGowan

Checked by: Rennie Roston

CERTIFICATE OF COMPLIANCE I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief. <u>Mike Langford</u> (Signature) <u>District Superintendent</u> (Title) <u>4-2-82</u> (Date)		OIL CONSERVATION COMMISSION <u>90 day test period, until 9-10-82</u> APPROVED <u>6-22</u> , 19 <u>82</u> BY <u>W. G. Gressett</u> TITLE <u>SUPERVISOR, DISTRICT #</u> This form is to be filed in compliance with rule 11104. If this is a request for all wells for a newly drilled oil or gas well, this form is to be received by the Division of Conservation before the well is completed with fluid. All portions of this form must be filled out except for the title which may be omitted as indicated below. Fill out only the portion of the form and the title of the well which is applicable to the well being drilled or completed.	
---	--	--	--

THE PETROLEUM CORPORATION

One Marienfeld Place, Suite 555 Midland, Texas 79701

Hole No. (Check proper box)

☒ Change in Transporter of:
☐ Oil
☐ Condensate
☐ Dry Gas
☐ Other (Please explain)

☐ Change in Transporter of:
☐ Oil
☐ Condensate
☐ Dry Gas
☐ Other (Please explain)

Other (Please explain)

 Name of ownership give name
 Name of previous owner

DESCRIPTION OF WELL AND LEASE

 Well No. 6 Pool Name, including Formation East Burton Flat (Morrow) Kind of Lease Federal Lease No. 94-01446
 Superior Federal

 Well letter N 660 Feet From The South Line and 1980 Feet From The West

 Township 20S Range 29E N.M.P.M. Eddy County

LOCATION OF TRANSPORTER OF OIL AND NATURAL GAS

 Name of Transporter of Oil ☐ or Condensate ☒ Address (Give address to which approved copy of this form is to be sent)
 Koch Oil Company P.O. Box 1558 Breckenridge, Tx. 76024
 Name of Transporter of Condensate Gas ☐ or Dry Gas ☒ Address (Give address to which approved copy of this form is to be sent)
 El Paso Natural Gas Company P.O. Box 1492 El Paso, Tx. 79999
 Is gas actually connected? ☒ When 6-10-82

This well is commingled with that from any other lease or pool, give commingling order number:

WELL DATA

 Type of Completion - (X)
☐ Oil Well ☒ Gas Well ☐ New Well ☐ Workover ☐ Deepen ☐ Plug Back ☐ Some Resin ☐ Inf. Resin
 Date Completed Ready to Prod. 4-1-82 Total Depth 11,600' P.B.T.D. 11,559'
 Name of Producing Formation Strawn Top Oil/Gas Pay 10219' Tubing Depth 10,710'
 Depth Casing Shoe 10282'-10294' (25 holes) 11,600'

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
11 3/4"	11 3/4"	350	350 sacks
8 5/8"	8 5/8"	3105	2550 sacks
4 1/2"	4 1/2"	11600	1775 sacks
2 3/8"	2 3/8"	10710	--

TEST DATA AND REQUEST FOR ALLOWABLE

(Test must be after recovery of initial volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Test Method	Date of Test	Reducing Method (Flow, pump, gas lift)
Flow Test		
Pressure Test		
Water-Drive Test		

GRAB OIL

Test Method	Length of Test	Grav. of Condensate
Flow Test	6 hours	52
Pressure Test	3090	3/4"

CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given is true and complete to the best of my knowledge and belief.

Mike Pung (Signature)

District Superintendent

6-2-82

(Date)

 OIL CONSERVATION COMMISSION
 90 day test period ends 9-10-82
 APPROVED 6-22-82
 BY W. A. Dussault
 TITLE SUPERVISOR, DISTRICT 16

 This form is to be filed in compliance with Rule 7.1104.
 If this is a request for allowable for a newly drilled test interval well, this form must be accompanied by a test interval report. A test interval report is a report on the well in accordance with RULE 7.1105.
 All entries on this form must be filled out and signed by the well owner or his authorized representative.
 Fill out only Sections I, II, III, and VI for completion of a new well name or number, location, position or other such change of information.

N. M. LAND CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

RECEIVED

APR 8 1982

All Acreage to be in from the meter Numbered at the top of this

The Petroleum Corp.		Superior Federal		6	
6	20 South	29 East	Eddy		
South		1980		West	
313.9	East Burton Flat	299.8			

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to welling interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-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.) _____

The well will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or 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.

L. E. Thomas

L. E. Thomas

Manager of Operations

The Petroleum Corp.

October 15, 1981

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.

10-10-81

Patricia A. Romero, Surveyor

Patricia A. Romero

Certificate No. JOHN W. WEST 879
PATRICK A. ROMERO 8883
Randy J. Eddy 8275

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in
instructions for
filling out)

Form approved
Budget Bureau No. 50-100-1

5. EXAM. DESIGNATION AND SERIAL NO.

NM-0144698

6. INDIAN ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Superior Federal

8. FARM OR LEASE NAME

Superior Federal

9. WELL NO.

6

10. FIELD AND FORM, OR WILDCAT

East Burton Flat

(Morrow)

11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA

Sec. 6 - T20S - R29E

12. COUNTY OR

Eddy

13. STATE

New Mexico

14. PERMIT NO.

81-NM-306

DATE TESTED

11-19-81

15. DATE TO BE REACHED

1-25-82

17. DATE COMPL. (Ready to prod.)

4-1-82

18. ELEVATIONS (DP, BBL, ST, OR, ETC.)*

3274.4 GR

19. ELEV. CEMENTHEAD

3274.4 GR

20. PLUG BACK T.B. MD & TVD

11,559'

22. IF MULTIPLE COMPL., HOW MANY*

2

23. INTERVALS DRILLED BY

11,600'

ROTARY TOOLS

CABLE TOOLS

24. WAS DIRECTIONAL SURVEY MADE

yes

25. WAS WELL CORRED

No

26. WAS CALIPER, CBL

No

CASING RECORD (Report all strings set in well)

DATE	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
4-2-82	350	15"	350 SX.	None
4-2-82	3105	11"	2550 SX.	None
4-2-82	11,600	7 7/8"	1775 SX.	None

LINER RECORD

DATE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
4-2-82				

TUBING RECORD

DATE	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4-2-82	2 3/8"	10753	10710

ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DATE	DEPT. INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4-2-82		

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

Flowing

WELL STATUS (Producing or shut-in)

shut in

HOLES TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6	16/64"	→	--	635	--	--
TEST PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
1400 PSI	→	--	2540	--	--	

TEST WITNESSED BY

Mike Langford

27. DEVIATION SURVEY, 6-104, Wellbore Sketch

28. All data and information is complete and correct as determined from all available records

TITLE District Superintendent

DATE 4-2-82

Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency. Applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. This summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formations, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments to this form, see item 33. If no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State office for instructions. If such elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments, this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, interval to be separately produced, showing the additional data pertinent to such interval. Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. Separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

CONSERVATION
SANTA FE

32. ZONES OF INTEREST: PROSITTY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING IMPORTANT ZONES OF INTEREST, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			33. GEOLOGIC MARKERS		
DESCRIPTION, CONTENTS, ETC.			NAME	MEAS. DEPTH	TRUE VERT. DEPTH
TOP	BOTTOM			TOP	
0	470		Anhydrite	470	
470	500		Salt	500	
500	785		Salt	785	
785	995		Yates	995	
995	1260		7 Rivers	1330	
1260	3520		San Andres	2362	
3520	5594		Wolfcamp	9092	
5594	6835		Penn.	9667	
6835	7900		Cisco	9884	
7900	8710		Canyon	10030	
8710	9120		Strawn	10219	
9120	9695		Atoka	10488	
9695	10219		Delaware Sand	3520	
10219	11120		Bone Springs	5594	
11120	11454		Morrow	10732	
11454	11600		Morrow Clastics	11150	
			Barnett	11454	

FIELD _____ COUNTY Eddy OCC NUMBER _____
OPERATOR The Petroleum Corp. of Delaware ADDRESS 3303 Lee Parkway, Ste. 505
Dallas, Texas 75219
LEASE Superior Federal WELL NO. RECEIVED
SURVEY 660' FSL & 1980' FWL of Sec. 6, T-20-S, R-29-E

APR 8 1982

RECORD OF INCLINATION

<u>DEPTH (FEET)</u>	<u>ANGLE OF INCLINATION (DEGREES)</u>	<u>O. C. D. ARTESIA OFFICE</u>
350	1/2	
868	1 1/2	
1,380	1 1/2	
1,712	1	
2,142	1	
2,476	1	
3,093	2	
3,607	1	
4,100	3/4	
4,556	1	
5,090	1 3/4	
5,588	1 3/4	
6,146	3	
6,553	2	
6,863	1	
7,110	1	
7,602	1/4	
8,062	1/4	
8,531	1/4	
9,087	1/4	
9,613	1/4	
10,231	1 1/2	
10,657	1 1/4	
10,799	1 1/2	
11,470	1	
11,600	1	

Certification of personal knowledge inclination data:

I hereby certify that I have personally assembled the data and facts placed on this form, and such information given above is true and complete to the best of my knowledge.

HONDO DRILLING COMPANY

BY: Walter Frederickson
Vice President

Sworn and subscribed to before me the undersigned authority, on this the

19 day of February, 1982.

Margaret B. Anderson Notary Public in and for Mio'and County, Texas
Margaret B. Anderson

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

Form approved
Budget Project No. 22-2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. TYPE OF WELL: ☒ OIL WELL ☐ GAS WELL ☐ DRY ☐ Other _____

2. TYPE OF COMPLETION: ☒ NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. CERV. ☐ Other _____

3. NAME OF OPERATOR: **THE PETROLEUM CORPORATION**

4. ADDRESS OF OPERATOR: **One Marienfeld Place, Suite 555 Midland, Texas 79701**

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements):
AS SURFACE **660' FSL and 1980' FWL**

6. TOP PROD. INTERVAL REPORTED BELOW **SAME**

7. TOTAL DEPTH **SAME**

8. PERMIT NO. **81-NM-306** DATE ISSUED **11-19-81**

9. COUNTY OR PARISH **Eddy** 10. STATE **New Mexico**

11. FIELD AND POOL OR WILDCAT **Strawn**

12. SEC. T. R. N. OR BLOCK AND SURVEY OR AREA **Sec. 6 - T20S - R29E**

13. DATE SPUN **12-19-81** 14. DATE T.D. REACHED **1-26-82** 15. DATE COMPL. (Ready to prod.) **4-1-82** 16. ELEVATIONS (SP, REB, RT, GR, ETC.) **3274.4 GR** 17. ELEV. CASINGHEAD **3274.4 GR**

18. TOTAL DEPTH, MD & TVD **11600'** 19. PLUG BACK T.D., MD & TVD **11559'** 20. IF MULTIPLE COMPL., HOW MANY? **2** 21. INTERVALS DRILLED BY **11,600'** 22. CABLE TOOLS **--**

23. INDICATING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* **10282'-10294' Strawn** 24. WAS SECTIONAL SURVEY MADE **yes**

25. WERE ELECTRIC AND OTHER LOGS RUN **yes, DNL, GR with caliper, CBL** 26. WAS WELL CORDED **No**

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
3 3/4	42	350	15"	350 sacks	None
3 1/8	24 & 32	3105	11"	2550 sacks	None
2 1/2	11.6 & 13.5	11600	7 7/8"	1775 sacks	None

LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCR IN (MD)
2 3/8"				

TUBING RECORD

SIZE	DEPTH SET (MD)	PACERS SET (MD)
2 3/8"	10753	10710

27. INFORMATION RECORD (Interval, size and number)

10282'-10294' (25 - 0.25" holes)

28. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
10282'-10294'	2500 gal. 15% HCl acid

29. PRODUCTION

DATE FIRST PRODUCTION **6-26-82** PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) **Flowing** WELL STATUS (Producing or shut-in) **Shut in**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6-1-82	6	3/4"	48	544	TSTM	11333	

DATE OF TEST	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
150	pkc-set RECORD	192	2175	TSTM	52	

30. DISPOSITION OF GAS (Same as for fuel, vent, d, etc.) **vented** TEST WITNESSED BY **Mike Langford**

31. LIST OF ATTACHMENTS **Electric logs, Deviation survey, Wellbore Sketch**

32. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED **Mike Langford** TITLE **District Superintendent** DATE **4-2-82**

(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or to a person or entity to which applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, should be obtained from the local Federal or State agency, or from the local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal or State agency. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

Item 1: Attach to this form, as part of the summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation test logs, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be labeled as to the form, see item 33.

Item 2: If there are any applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 13: Indicate which completion is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Item 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, (top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement". Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CHURNING USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE TEST DEPTH
Red Bed	0	470		Anhydrite	470	
Anhydrite	470	500		Salt	500	
Salt	500	785		Salt	785	
Anhy. & Dolo.	785	995		Yates	995	
Anhy. & Sand	995	1260		7 Rivers	1330	
Dolomite	1260	3520		San Andres	2362	
Sand & Sahle	3520	5594		Wolfcamp	9092	
Lime	5594	6835		Penn.	9667	
Lime & Sand	6835	7900		Cisco	9884	
Lime	7900	8710		Canyon	10030	
Sand & Lime	8710	9120		Strawn	10219	
Lime & Sahle	9120	9695		Atoka	10488	
Shale	9695	10219		Delaware Sand	3520	
Lime & Shale	10219	11120		Bone Springs	5594	
Sand	11120	11454		Morrow	10732	
Shale	11454	11600		Morrow Clastic	11150	
				Barnett	11454	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐
2. NAME OF OPERATOR
The Petroleum Corporation
3. ADDRESS OF OPERATOR
One Marienfeld Place, Suite 555, Midland, Tx.
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 350'
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

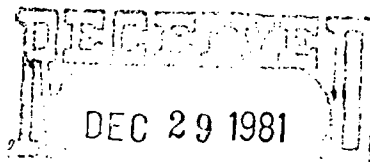
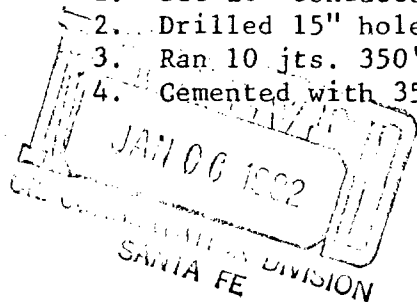
(other) Surface Casing ☐

5. LEASE NM 0144678
~~Superior Federal~~
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
No
7. UNIT AGREEMENT NAME
N/A
8. FARM OR LEASE NAME
Superior Federal
9. WELL NO.
6
10. FIELD OR WILDCAT NAME
East Burton Flat (Morrow)
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 6, T20S, R29E
12. COUNTY OR PARISH
Eddy
13. STATE
New Mexico
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
3274.4 GL

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1. Set 20" conductor at 35', cemented with Redimix.
2. Drilled 15" hole to 350'
3. Ran 10 jts. 350', 11 3/4" O.D. 42#/ft. K-55 ST&C
4. Cemented with 350 sacks Class C + 2% CaCl₂. Cement circulated.



U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

Subsurface Safety Valve: Manu. and Type 10" 3000# BOP's Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED ROGER A. CHAPMAN DATE 12-28-81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

COUNTY Eddy OCC NUMBER

Oil & Gas Petroleum Corp. of Delaware ADDRESS 3303 Lee Parkway, Ste. 505
Dallas, Texas 75219

Superior Federal WELL NO. 6

100' FSL to 1980' FWL of Sec. 6, T-20-S, R-29-E

RECORD OF INCLINATION

<u>DEPTH (FEET)</u>	<u>ANGLE OF INCLINATION (DEGREES)</u>
350	1/2
868	1 1/2
1,380	1 1/2
1,712	1
2,142	1
2,476	1
3,093	2
3,607	1
4,100	3/4
4,556	1
5,090	1 3/4
5,588	1 3/4
6,146	3
6,553	2
6,863	1
7,110	1
7,602	1/4
8,062	1/4
8,531	1/4
9,087	1/4
9,613	1/4
10,231	1 1/2
10,657	1 1/4
10,799	1 1/2
11,470	1
11,600	1

Certification of personal knowledge inclination data:

I hereby certify that I have personally assembled the data and facts placed on this form, and such information given above is true and complete to the best of my knowledge.

HONDO DRILLING COMPANY

BY: Walter Frederickson
Vice President

and subscribed to before me the undersigned authority, on this the

day of August, 1982.

Notary Public in and for Midland County, Texas

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SF

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other ☐

2. NAME OF OPERATOR

THE PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

Midland,
One Marienfeld Place, Suite 555 Tx. 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 660' FSL and 1980' FWL
AT TOP PROD. INTERVAL: same
AT TOTAL DEPTH: same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

☐
☐
☒
☐
☐
☐
☐
☐
☐

APR 23 1982
(NOTE: This is the results of multiple completion or zone
OIL CONSERVATION DIVISION on Form 9-330)
SANTA FE APR 6 1982

OIL & GAS
U.S. GEOLOGICAL SURVEY
LOS ALAMOS, NEW MEXICO

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1. Ran 4 1/2" 13.5# and 11.6#, set at 11,600'. Cemented in 2 stages with 700 sacks and 1075 sacks. DV Tool at 8995'. (1-30-82)
2. 3-17-82 Ran 4 1/2" production packer and set at 10710'.
3. 3-18-82 Perf. Morrow 11267'-11314' (8 holes)
4. 3-20-82 Perf. Morrow 11177'-11236' (11 holes)
5. 3-26-82 Perf. Strawn 10282'-10294' (25 holes)
6. 3-28-82 Acidize Strawn 10282'-10294' with 2500 gallons 15% HCl acid.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Mike R. [Signature] TITLE District Supt. DATE 4-2-82

(This space for Federal or State office use)

APPROVED BY APR 16 1982 TITLE _____ DATE _____

CONDITIONS OF APPROVAL ANY:

U.S. GEOLOGICAL SURVEY
LOS ALAMOS, NEW MEXICO

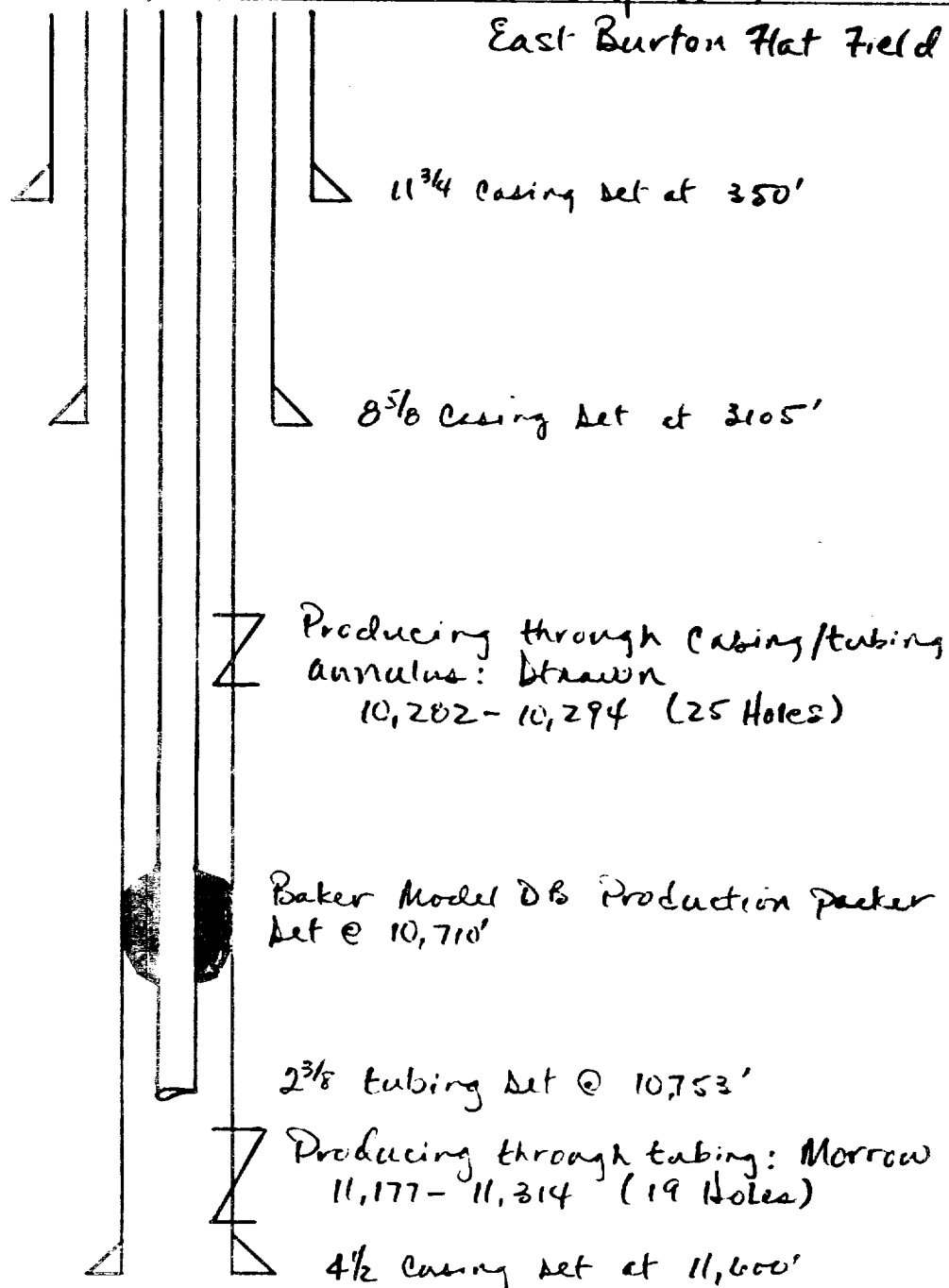
*See Instructions on Reverse Side

THE PETROLEUM CORPORATION

ONE MARIENFELD
SUITE 555
MIDLAND, TEXAS 79701

Superior Federal Well No. 6	PREPARED BY Mike Langford
1980 FSL and 1980 FWL	DATE 4-2-82
Sec. 6, T-19S, R-29E Eddy Co.	SHEET 1 of 1

East Burton Flat Field



Form S-331 C
(May 1963)

NM OIL CONSV. COMMISSION

Drawer DD

Albuquerque, NM 88210

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

Form approved
Budget Bureau No. 42 R4425

30-015-23979
NM-0144698

SF

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

2. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONES ☐

MULTIPLE
ZONES ☐

3. NAME OF OPERATOR

The Petroleum Corporation

4. ADDRESS OF OPERATOR

3303 Lee Parkway, Dallas, Texas 75219

5. LOCATION OF WELL (Replot location clearly and in accordance with any State requirements*)

At surface
660' FSL and 1979' FWL

At proposed prod. zone

Same

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

16 miles NE From Carlsbad, NM

7. DISTANCE FROM PROPOSED

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drg. unit line, if any)

660'

8. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

5350'

9. NO. OF ACRES IN LEASE

1743.54

10. PROPOSED DEPTH

11,800

11. NO. OF ACRES ASSIGNED
TO THIS WELL

300

12. LOGS AND CABLE TOOLS

Rotary

13. VARIATIONS (Show whether DF, RT, CR, etc.)

GL 3274.4

14. APPROX. DATE WORK WILL START

Depends on rig availability

15.

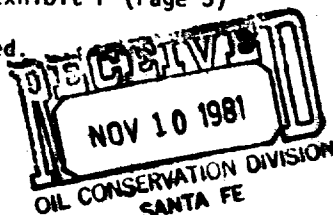
PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	11 3/4"	42#	350'	Circ. to surface
11"	8 5/8"	24# & 32#	3100'	Circ. to surface
7 7/8"	4 1/2"	11.6# & 13.5#	11,800'	500 sx, Vol to be determined by caliper.

Adequate BOP's to be installed from 350' to total depth. See attached sketch.

Mud Program: See Exhibit F (Page 3)

Gas is not dedicated.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface horizons and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

[Signature]

TITLE Manager of Operations

DATE October 13, 1981

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NOV 6 1981

JAMES A. GILLHAM
DISTRICT SUPERVISOR
On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-17,
Superseding C-126
Effective 1-1-85

All distances must be from the corner boundaries of the Section

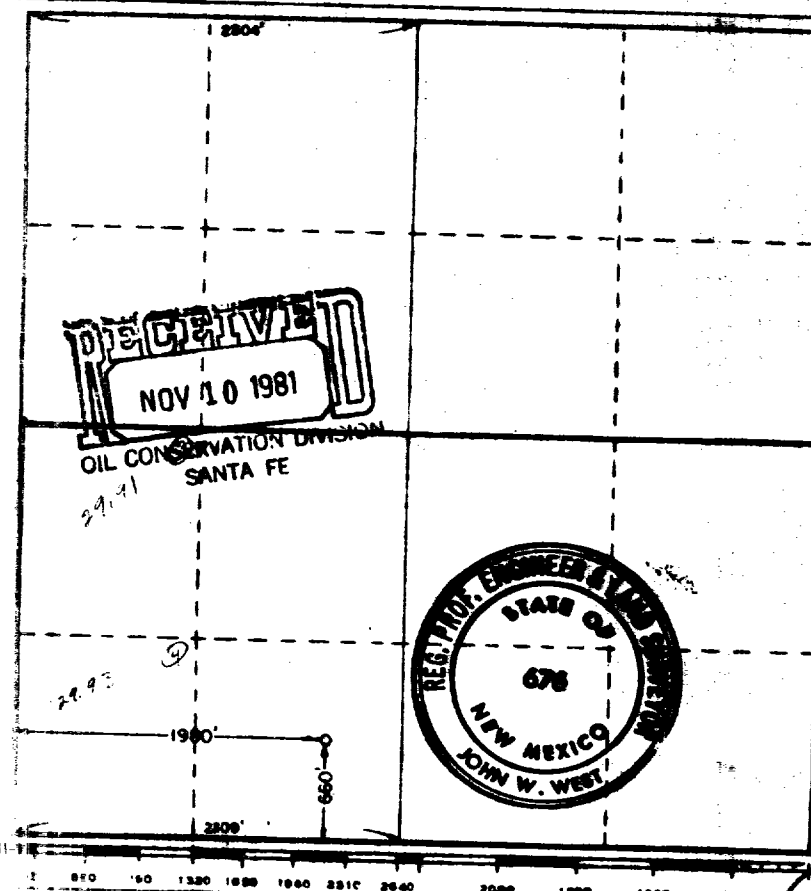
The Petroleum Corp. / <i>Deleware</i>		Lease		Superior Federal		Well No.	6
Section	6	Township	20 South	Range	29 East	County	Eddy
1. a) Portable Location of Well:							
660	East from the	South	line and	1980	East from the	West	line
Level Elev.	3283.9	Producing Formation	Morrow	Pool and	East Burton Flat (Morrow)	Dedicated Acreage	292.14 300-

1. Outline the acreage dedicated to the subject well by colored pencil or barium marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-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.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or 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.

Name *L. E. Thomas*
Position **Manager of Operations**
Company **The Petroleum Corp.**
Date **October 15, 1981**

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 Surveyed **10-10-81**
Registered Professional Engineer and/or Land Surveyor *John W. West*
Certificate No. **JOHN W. WEST**
PATRICK A. ROBERTS
JOHN A. ELLIS

APPLICATION FOR DRILLING
The Petroleum Corporation
Superior Federal Well No. 6
660' FSL and 1979' FWL
Section 6-120S-R29E
Eddy County, New Mexico

In conjunction with Form 9-331C, Application for Permit to Drill, subject well in Section 6, Township 20 South, Range 29 East, Eddy County, New Mexico, The Petroleum Corporation submits the following ten items of pertinent information in accordance with U.S.G.S. requirements:

1. The geologic surface formation is Alluvium and Bolson deposits.

2. The estimated tops of geologic markers are as follows:

Yates	1,200'
Seven Rivers	1,425'
Delaware	3,225'
Bone Springs	5,025'
Wolfcamp	9,100'
Strawn	10,200'
Atoka	10,500'
Morrow	10,800'
Barnett Shale	11,450'

3. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered are:

Water:	At approximately 240 feet
Oil or Gas:	Wolfcamp at approximately 9,100'
	Strawn at approximately 10,200'
	Atoka at approximately 10,500'
	Morrow at approximately 10,800'

4. Proposed casing program: See Form 9-331C and Exhibit F (Page 2)

5. Pressure control equipment: See Form 9-331C and Exhibit E

6. Mud Program: See Exhibit F (Page 3)

7. Testing, logging and coring programs: See Exhibit F (Page 2)

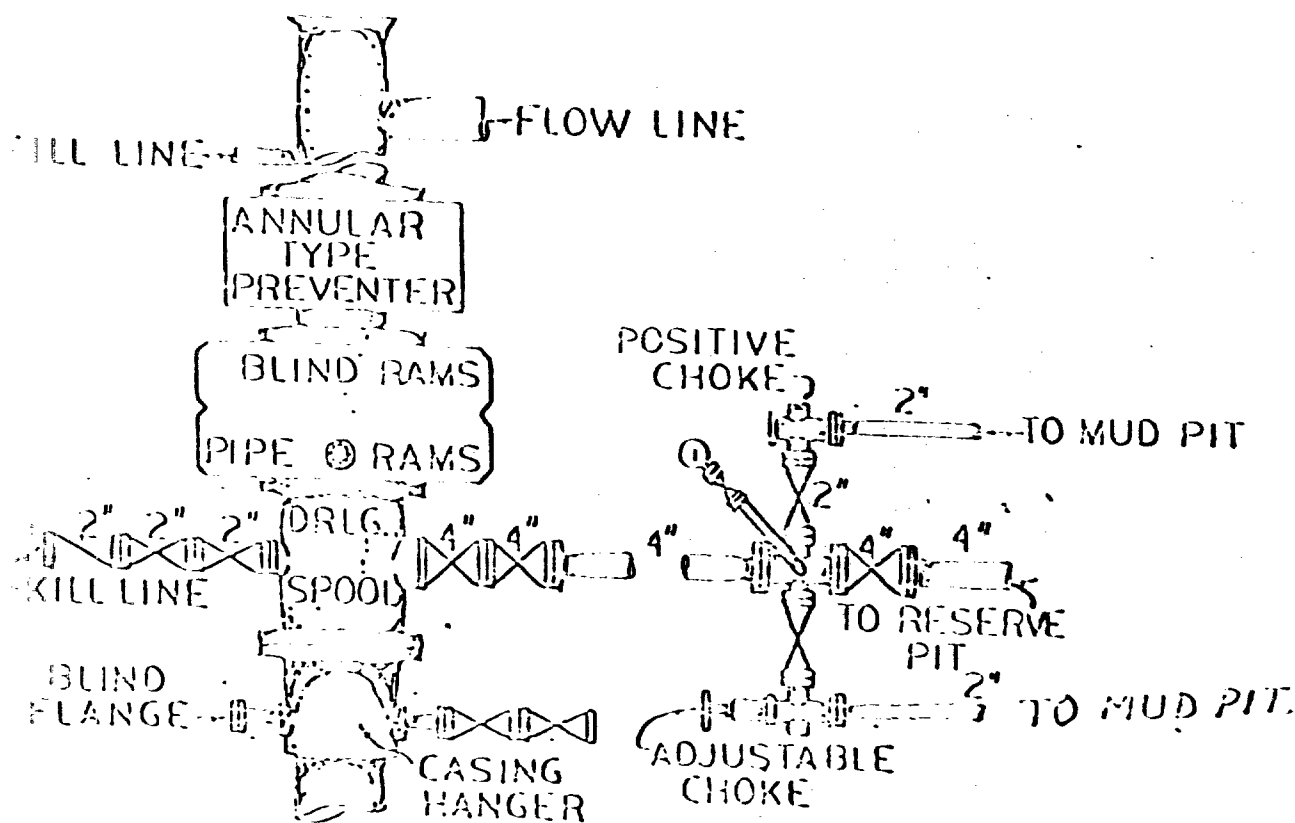
8. No abnormal pressures or temperatures are anticipated.

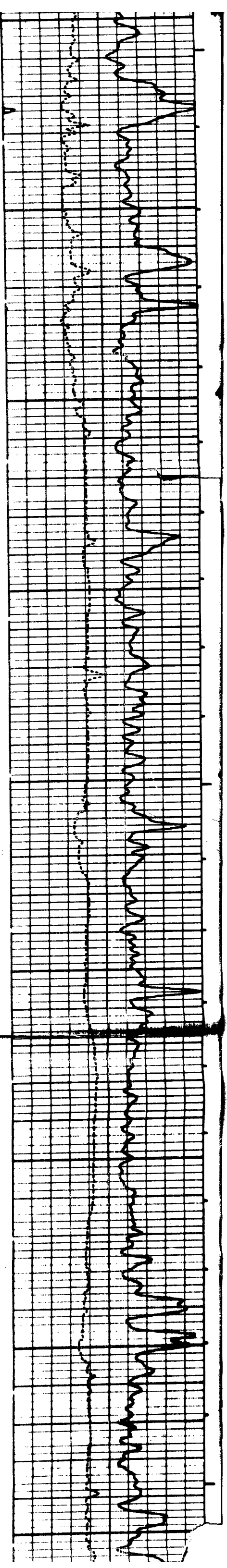
9.. Anticipated starting date: As soon as possible.

EXHIBIT E

The Petroleum Corporation
Superior Federal Well No. 6
660' FSL and 1979' FWL
Section 6-T20S-R29E
Eddy County, New Mexico

B.O.P. ARRANGEMENT RIG NO. 3
3000 LB. W.P. B.O.P.
10" CAMERON TYPE-SS HYDRAULIC B.O.P. 3000 P.S.I.
12" G.K. HYDRILL 3000 W.P.
80 GALLON- STATION KOOMEY ACCUMULATOR
3000 LB. W.P. CHOKE MANIFOLD





reproduction Prohibited