

30-005-61150

N-16-Ss-24e

Jack J. Grynberg

Grynberg 16 state #2

Tops

T. Gloria - 1355'

T. Abu - 3540'

10 3/4" log
820'
circ.

7 9/8"
hole

Perfs - 3585' - 3915'

4 1/2" casing

4050'

w/ 1425' cement

REPORT BY EXAMINER ONLY
DATE OF EXAMINATION
OLD
CASE NO. 12457

30-005-61150

N-16-5s-24e

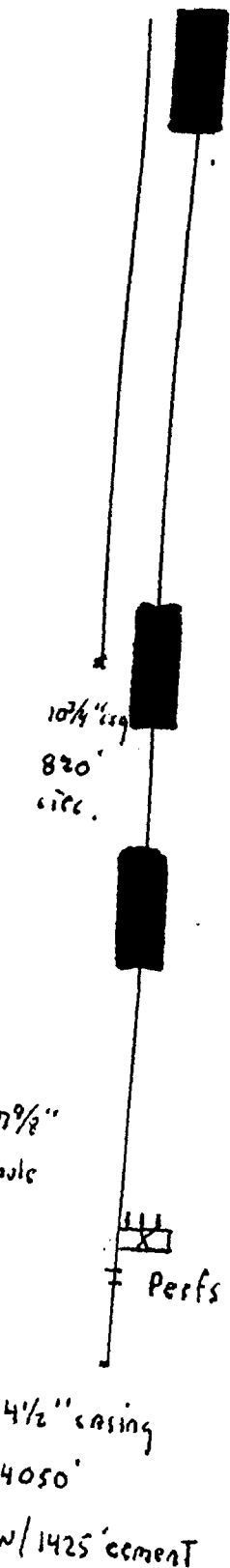
Jack J. Grynberg

Grynberg 16 state #2

Tops

T. Gloria - 1355'

T. Abu - 3540'



* SET 10 sk cement surface Plug.

* Perforate 4 1/2" casing @ 870'

Squeeze 100' cement Plug inside + outside
4 1/2" casing. TAG

* SET 25 sk cement Plug @ 1400' - 1300'

* Circulate brine gel to surface.

* Run + set CIBP w/35' cement @ 3485'

Perfs - 3585' - 3915'

4 1/2" casing

4050'

w/1425' cement

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-104
Revised 12-1-79REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

RECEIVED

JUL 12 1982

JACK J. GRYNBERG

Address

1050 17th Street, Suite 1950, Denver, Colorado 80265

O. C. D.
ARTESIA, OFFICE

Reason(s) for filing (Check proper box)

New Well ☒Recompletion ☐Change in Ownership ☒

Change in Transporter of:

Oil ☐Casinghead Gas ☐Dry Gas ☐Condensate ☐

Other (Please explain)

If change of ownership give name
and address of previous owner

VIKING PETROLEUM, INC., 1050 17th St., Suite 1950, Denver, CO 80265

I. DESCRIPTION OF WELL AND LEASE

Lease Name Grynberg 16 State	Well No. 2	Pool Name, Including Formation Pecos Slope Abo Gas	Kind of Lease State, Federal or Fed. State	Lease No. LG-566-
Location Unit Letter <u>N</u> : <u>660'</u> Feet From The <u>South</u> Line and <u>1980'</u> Feet From The <u>West</u> Line of Section <u>16</u> Township <u>T 5 S</u> Range <u>R 24 E</u> , NMPM, Chaves County				

II. 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) P.O. Box 159, Artesia, NM 88210					
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent) Box 2521, Houston, TX 77001					
If well produces oil or liquids, give location of tanks.	Unit N	Sec. 16	Tw. 5S	Rge. 24E	Is gas actually connected? Yes	When 4/19/82

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

V. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'tv.	Diff. Res'tv.
		X	X					
Date Spudded 11/12/81	Date Compl. Ready to Prod. 2/2/82	Total Depth 4050'	P.B.T.D. 3971'					
Elevations (DF, RKB, RT, CR, etc.) 4041' KB	Name of Producing Formation Abo	Top Oil/Gas Pay 3585'	Tubing Depth 3838'					
Perforations 3585' - 3915' Abo	Depth Casing Shoe 3971'							

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
14-3/4"	10-3/4"	820'	650 Sxs
7-7/8"	4-1/2"	4050'	1425 Sxs
4-1/2"	2-3/8"	3838'	NR

VI. 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 oil
able 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

Posted ID-3
7-23-82
chy-8/8p

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (prior, back pr.)	Tubing Pressure (Shut-In)	Casing Pressure (Shut-In)	Choke Size

CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation
Division have been complied with and that the information given
above is true and complete to the best of my knowledge and belief.Nancy Stolzle (Signature)
Land Manager

7/9/82

(Date)

(Date)

OIL CONSERVATION DIVISION

APPROVED JUL 14 1982

BY Mike Williams

TITLE OIL AND GAS INSPECTOR

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deep
well, this form must be accompanied by a tabulation of the dev
logs taken on the well in accordance with RULE 111.All sections of this form must be filled out completely for all
able on new and recompleted wells.Fill out only Sections I, II, III, and VI for changes of ow
well name or number, or transporter, or other such change of condi
Separate Forms C-104 must be filed for each pool in mult

OIL CONSERVATION DIVISION

P. O. BOX 2000

SANTA FE, NEW MEXICO 87501

RECEIVED

JUN 2 1982

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS
O. C. D.
ARTESIA, OFFICE

VIKING PETROLEUM, INC. ✓

Address 1050 17th Street, Suite 1950, Denver, Colorado 80265

Reason(s) for filing (check proper box)

New Well

☒

Recompletion

☐

Change in Ownership

☐

Change in

Transporter of:

Oil

☐

Dry Gas

☐

Casinghead Gas

☐

Condensate

☒

Other (Please explain)

If change of ownership give name
and address of previous owner

I. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Grynberg 16 State	2	Pecos Slope Abo Gas	State, Federal or Fed	STATE LG-566-1
Location				
Unit Letter	N	: 660'	Feet From The	South Line and 1980'
Line of Section	16	Township	T 5 S	Range R 24 E
		NMPA		Chaves
				County

II. 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)
Navajo Crude Oil Purchasing Company	P.O. Box 159, Artesia, NM 88210
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☐	Address (Give address to which approved copy of this form is to be sent)
Transwestern Pipeline Co.	Box 2521, Houston, TX 77021
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge.
	N 16 5S 24E
	Is gas actually connected? Yes
	When 4/19/82

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

V. 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	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
Elevations (DF, RHH, RT, CR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
Perforations	Depth Casing Shoe							

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

VI. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top oil able for this depth or be for full 24 hours)

Date First New Oil Ran 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
Testing Method (flow, back pr.)	Tubing Pressure (Shut-In)	Casing Pressure (Shut-In)	Choke Size

VII. CERTIFICATE OF COMPLIANCE

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

M. Ettinger
MORRIS ETTINGER
AGENT

5/21/82

(Date)

(Date)

OIL CONSERVATION DIVISION

APPROVED JUN 4 1982

BY M. E. Ettinger
TITLE OIL AND GAS INSPECTOR

This form is to be filled in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deep well, this form must be accompanied by a tabulation of the devils tests taken on the well in accordance with RULE 111.
All sections of this form must be filled out completely for a well on new and recompleted wells.
Fill out only Sections I, II, III, and VI for changes of a well name or number, or transporter, or other such change of record.
Separate Forms C-104 must be filed for each pool in the

DEVIATION SURVEY REPORT

RECEIVED

APR 15 1982

O. C. D.
ARTESIA, OFFICE

Re: OPERATOR: VIKING PETROLEUM, INC.

WELL NAME: Grynberg 16 State #2

WELL LOCATION: Section 16, T5S-R24E
660' FSL & 1980' FWL
Chaves County, NM

TOTCO DEVIATION SURVEY:

<u>DATE</u>	<u>DEPTH/FT</u>	<u>DEVIATION/DEGREE</u>
11/15/81	820'	2
11/16/81	1124'	3 1/2
11/16/81	1269'	3 3/4
11/19/81	1440'	3
11/19/81	1650'	3
11/20/81	1800'	3
11/20/81	2000'	2 3/4
11/21/81	2144'	3
11/21/81	2290'	3 1/4
11/21/81	2463'	2 3/4
11/22/81	2667'	3
11/22/81	2875'	2 1/4
11/23/81	2956'	2 1/4
11/23/81	3160'	1 3/4
11/23/81	3218'	1 1/4

I hereby certify that the above deviation survey, performed on the referenced well, is true and correct to the best of my knowledge.

JACK GRYNBERG AND ASSOCIATES


MORRIS ETTINGER
Viking Petroleum, Inc., Agent

STATE OF Colorado)
COUNTY OF Denver)

ss.

On this 13th day of April, 1982, before me, a Notary Public in and for said County and State, personally appeared Morris Ettinger, to me known to be the identical person described in and who executed the within and



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
ARTESIA DISTRICT OFFICE

July 6, 1982

BRUCE KING
GOVERNOR
LARRY KEHOE
SECRETARY

P.O. DRAWER DD
ARTESIA, NEW MEXICO 88210
(505) 748-1283

Viking Pet. Inc.
%Grynberg & Assoc.
1050 17th St., Suite 1950
Denver, Colorado 80265

Gentlemen:

Effective June 1, 1982 the allowable of the wells listed below
is hereby reinstated.

PECOS SLOPE ABO GAS

✓Grynberg 16 State #2-N-16-5-24
Grynberg 14 State Com #1-N-14-5-24
Grynberg 35 Com #1-F-35-5-24

Sincerely,

W.A. Gressett
Supervisor, District II

WAG:mm
TWP

cc: Mr. R. L. Stamets
P.O. Box 2088
Santa Fe, N.M. 87501



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
ARTESIA DISTRICT OFFICE

June 28, 1982

BRUCE KING
GOVERNOR

LARRY KEHOE
SECRETARY

P.O. DRAWER DD
ARTESIA, NEW MEXICO 88210
(505) 748-1283

Viking Pet. Inc.
% Grynberg & Assoc.
1050 17th St., Suite 1950
Denver, Colorado 80265

Gentlemen:

Effective June 1, 1982, the allowable of the wells listed below is hereby cancelled for failure to file Form C-115 for the month of April, 1982.

PECOS SLOPE ABO GAS

✓ Grynberg 16 State #2-N-16-5-24
Grynberg 14 State Com #1-N-14-5-24
Grynberg 35 Com #1-F-35-5-24

Sincerely,

W.A. Gressett
Supervisor, District II

WAG:mmm

TPC TWP

cc: Mr. R. L. Stamets
P.O. Box 2088
Santa Fe, N.M. 87501

RECEIVED

NEW MEXICO OIL CONSERVATION DIVISION

P. O. DRAWER "DD"

ARTESIA, NEW MEXICO 88210

APR 22 1982

O. C. D.
ARTESIA, OFFICE

NOTICE OF GAS CONNECTION

DATE April 20, 1982

This is to notify the Oil Conservation Division that connection for the
purchase of gas from the Viking Petroleum, Inc./

Operator

Grynberg "16" State
Lease

Well #2 - Unit Letter ^N ~~Unknown~~
Well Unit:

16-5S-24E, Chaves County
S.T.R.

Pecos Slope
Wildcat (Abo) Gas
Pool

Transwestern
Name of purchaser

was made on April 19, 1982

Transwestern Pipeline Company
Company

 H. N. Aicklen
Representative

Supervisor Gas Purchase Contract Administration
Title

cc: Operator
Oil Conservation Division - Santa Fe

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

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DISTRIBUTION	
SANTA FE	1
FILE	1
U.S.O.S.	2
LAND OFFICE	1
OPERATOR	

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.
STA-LG-566-1

10. TYPE OF WELL <i>Belem 1</i>		OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐		MAR - 1 1982		7. Unit Agreement Name	
b. TYPE OF COMPLETION		NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐				8. Farm or Lease Name	
2. Name of Operator		VIKING PETROLEUM, INC.		APPROX. OFFICE		9. Well No.	
3. Address of Operator		1050 17th Street, Suite 1950, Denver, Colorado 80265				10. Field and Pool, or Wildcat	
4. Location of Well						Pecos Slope Abo Gas	
UNIT LETTER <i>N</i> LOCATED <i>660</i> FEET FROM THE <i>South</i> LINE AND <i>1980</i> FEET FROM						12. County	
THE <i>West</i> LINE OF SEC. <i>16</i> TWP. <i>5S</i> RGE. <i>24E</i> NMPM						Chaves	
13. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Casinghead			
11/12/81	11/29/81	2/2/82	4041 K.B.				
20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools		
4050'	3971'			0-4050'			
24. Producing Interval(s), of this completion - Top, Bottom, Name						25. Was Directional Survey Made	
3585' - 3915' Abo						No	
26. Type Electric and Other Logs Run						27. Was Well Cored	
Dual Laterolog-Micro SFL; Neutron-Density						No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED	
10-3/4"	32.75#	820	14-3/4"	350 sxs Hallite, 2% CaCl ₂		Posted ID-2	
				300 sxs Class "C"		Comp. Book	
4-1/2"	10.5#	4050	7-7/8"	1425 sxs Class "C"		SE	
				5050 POZ		3-5-82	
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8"	3838	open-ended
31. Perforation Record (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
3904-3915				DEPTH INTERVAL			
				AMOUNT AND KIND MATERIAL USED			
3585-3604				3904-3915			
				fraced 2/10,000 gal KCL Water			
				5000 gal liq. CO ₂ 22,000# sand			
				3585-3604			
				fraced w/20,000 gal gel			
				38,000# sand 6620 gal CO ₂			
33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)			Well Status (Prod. or Shut-in)		
2/2/82		flowing			S.I.W.O.P.L.C.		
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
2/2/82	3/ 3/4	1			114		
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
396 psi	941		CAOF	5,703.7			
34. Disposition of Gas (Sold, used for fuel, vented, etc.)						Test Witnessed By	
Vented						Townley	
35. List of Attachments							
Pressure test							
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.							
SIGNED		TITLE		Agent		DATE	
MORRIS ETTINGER						2/10/82	

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED

C/SF
C-122

Type Test ☒ Initial ☐ FOUR POINT ☐ Annual ☐ Special		Test Date 2-3-82		FEB 12 1982	
Company JACK GRYNBERG & ASSOC. <i>Viking Petr. Inc.</i>		Connection AIR NEW WELL		O. C. D.	
Pool UNDESIGNATED <i>Pecos Slope</i>		Formation ABO		UNARTESIA, OFFICE	
Completion Date 2-2-82		Total Depth 3971 <i>1050</i>		Plug Back TD 3971	
Elevation 4041 KB		Farm or Lease Name GRYNBERG STATE		Well No. 2-15	
Csq. Size 4.50	Wt. 10.5	Id 4.052	Set At 3971	Perforations: From 3585 To 3915	
Thq. Size 2.375	Wt. 4.7	Id 1.995	Set At 3838	Perforations: From OPEN To ENDED	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE			Packer Set At NONE		County CHAVES
Producing Thru TUBING		Reservoir Temp. °F 104° 3750		Mean Annual Temp. °F 60°	
Baro. Press. - P _g 13.2		State NEW MEXICO		Meter Run 4 028	
L 3750	H 3750	Gg .7093	% CO ₂ 1.371	% N ₂ 8.834	% H ₂ S Prover
FLOW DATA			TUBING DATA		CASING DATA
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w
1.	4.00	X	1.000	375	9.0
2.	4.00	X	1.000	390	23.0
3.	4.00	X	1.000	400	45.0
4.	4.00	X	1.000	420	92.0
5.					
RATE OF FLOW CALCULATIONS					
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg
1.	4.8740	59.11	388.2	1.0147	1.1876
2.	4.8740	96.30	403.2	.9887	1.1876
3.	4.8740	136.36	413.2	.9859	1.1876
4.	4.8740	199.64	433.2	.9813	1.1876
5.					
NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio
1.	.59	505	1.38	.920	A.P.I. Gravity of Liquid Hydrocarbons
2.	.61	532	1.46	.932	Specific Gravity Separator Gas
3.	.36	35	1.47	.932	Specific Gravity Flowing Fluid
4.	.66	540	1.48	.930	Critical Pressure
5.					Critical Temperature
$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 7.1626$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4.8501$ $AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5,703.7$					
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1.	978.2	956.9	32.0		
2.	969.2	939.3	49.0		
3.	948.2	899.2	89.0		
4.	922.2	850.5	138.0		
5.					
Absolute Open Flow		5,703.7		Mcf @ 15.025	
Angle of Slope		51.3		Slope, n	
				.8020	
Remarks: BOTTOM HOLE PRESSURES MEASURED WITH AMERADA PRESSURE ELEMENTS.					
Approved By Commission:		Conducted By:		Calculated By:	
		RICHARD TOWNLEY		BENNETT-CATHEY	
Checked By:					

GRYNBERG STATE - 16

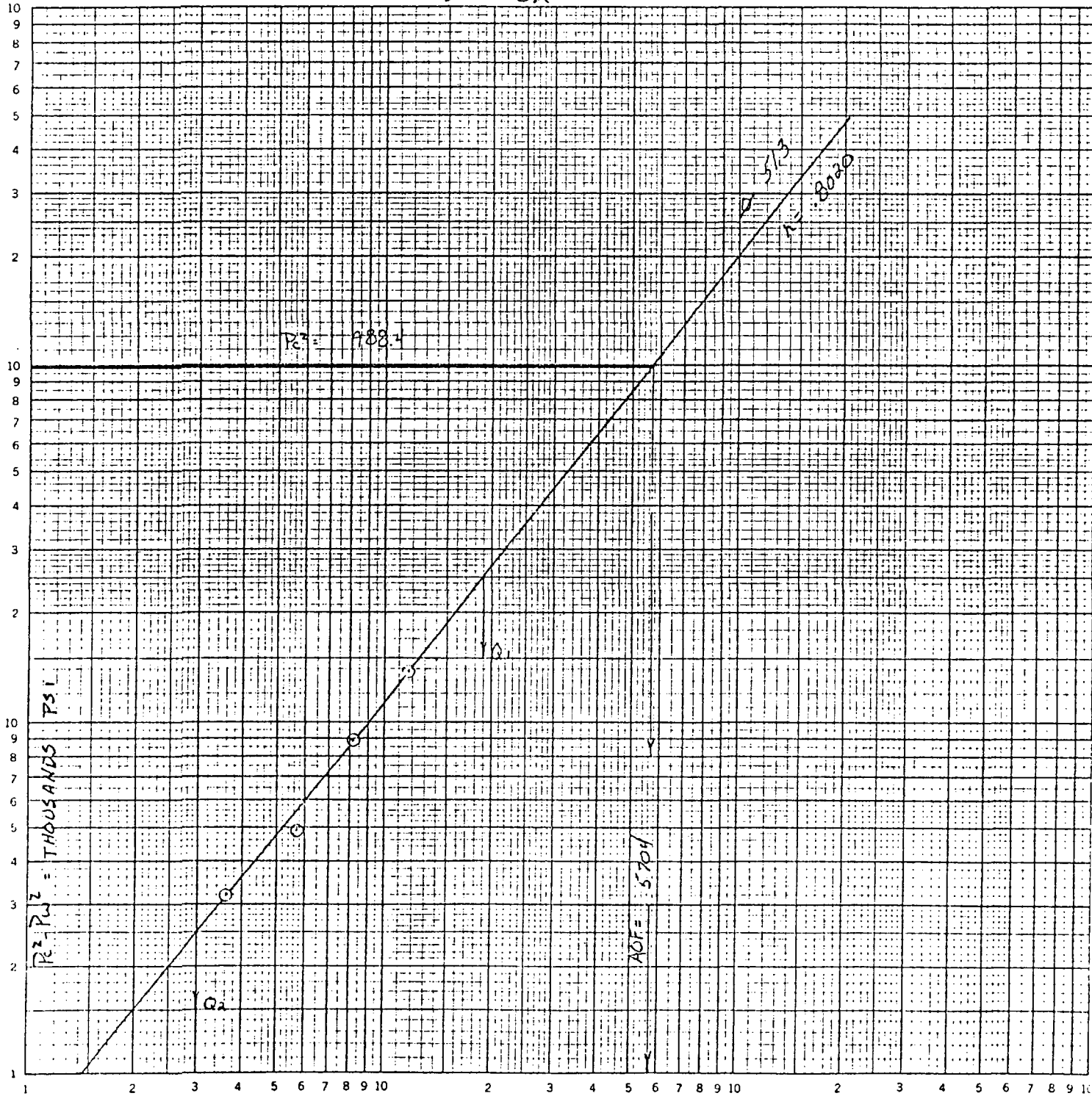
UNIT N 16 SS 24E

CHAVES COUNTY

2-3-82

46 7400

K₁₂ LOGARITHMIC 3 X 3 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.



$$\bar{P}_1: P_c^2 - P_w^2 = 250$$

Q_1 Mcfd

$$\log Q_1 = 3.27912$$

$$\bar{P}_2: P_c^2 - P_w^2 = 25$$

$$\log Q_2 = 2.47712$$

$$Q_1 = 1901.6$$

$$n = .8020$$

$$Q_2 = 300$$

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LAND OFFICE	
OPERATOR	1

O. C. D.
ARTESIA, OFFICE

5a. Indicate Type of Lease
State ☒ Fee ☐

5. State Oil & Gas Lease No.
STA-LG-566-1

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 APPLICATION FOR PERMIT - " (FORM C-101) FOR SUCH PROPOSALS.)

1. ☐ OIL WELL ☒ GAS WELL ☐ OTHER-	7. Unit Agreement Name N/A
2. Name of Operator Viking Petroleum, Inc.	8. Farm or Lease Name Grynberg 16 State
3. Address of Operator 1050 17th Street, Suite 1950, Denver, CO 80265	9. Well No. 2
4. Location of Well UNIT LETTER <u>N</u> <u>660</u> FEET FROM THE <u>South</u> LINE AND <u>1980</u> FEET FROM THE <u>West</u> LINE, SECTION <u>16</u> TOWNSHIP <u>5S</u> RANGE <u>24E</u> NMPM.	10. Field and Pool, or Wildcat Undesignated ABO
15. Elevation (Show whether DF, RT, GR, etc.) 4031.46 GR	12. County Chaves

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐ TEMPORARILY ABANDON ☐ PULL OR ALTER CASING ☐ OTHER ☐	PLUG AND ABANDON ☐ CHANGE PLANS ☐ REMEDIAL WORK ☐ COMMENCE DRILLING OPNS. ☐ CASING TEST AND CEMENT JOBS ☐ OTHER ☒ 30 Day Report

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

12/14/81 Perf. 3904'-3915', 1 shot p/ft, run tubing in hole.
 12/15/81 Acidized with 1000 gals of acid.
 12/16/81 Fraced with 10,000 gals KCL water, 5,000 gals liquid CO₂, 22,000# sand; swabbed back. Set retrievable bridge plug above perf.
 12/17/81 Perf 3585'-3604'.
 12/18/81 Acidized with 2,000, swabbed back with show of gas. Fraced with 20,000 gals gel, 38000# sand, and 6,620 gals of CO₂ liquid.
 12/29/81 Killed well, retrieved bridge plug. Swabbed back, well began to kick.
 1/12/82 Flowed well. Shut in.

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

SIGNED [Signature] AGENT DATE 1/22/82

APPROVED BY [Signature] TITLE OIL AND GAS INSPECTOR DATE FEB 4 1982

CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES REQUIRED	3
DISTRIBUTION	
SANTA FE	1
FILE	1
U.S.G.A.	
LAND OFFICE	
OPERATOR	1

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

RECEIVED

DEC 9 1981

Form C-103
Revised 10-1-7

5a. Indicate Type of Lease

State ☒ For ☐

5. State Oil & Gas Lease No.

STA-LG-566-1

SUNDARY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DEEPER WELL. USE APPLICATION FOR PERMIT TO DRILL (FORM C-101) FOR SUCH PROPOSALS.

O. C. D.

SANTA FE, NEW MEXICO

OIL WELL ☐

GAS WELL ☒

OTHER ☐

2. Name of Operator

Viking Petroleum Inc. ✓

3. Address of Operator

1050 17th Street - Suite 1950, Denver, Colorado 80265

4. Location of Well

UNIT LETTER N 660 FEET FROM THE South LINE AND 1980 FEET FROM

THE West LINE, SECTION 16 TOWNSHIP 5S RANGE 24E

7. Unit Agreement Name

N/A

8. Field or Lease Name

Grynberg 16 State

9. Well No.

2

10. Field and Pool, or Wildcat

Undesignated ABO

15. Elevation (Show whether DF, RT, GR, etc.)

4031.46 GR

12. County

Chaves

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

REMEDIAL WORK ☐

ALTERING CASING ☐

TEMPORARILY ABANDON ☐

COMMENCE DRILLING OPS. ☐

PLUG AND ABANDONMENT ☐

PULL OR ALTER CASING ☐

CHANGE PLANS ☐

CASING TEST AND CEMENT JOBS ☐

OTHER ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work; SEE RULE 1103).

11/14/81 Conductor pipe 16" set @40'.

11/15/81 Set 10 3/4" csg. 820' 32.75# H-40; 350 sxs Hal Lite, 2% CaCl₂, 1/2 lbs. Flo cel followed with 300 sxs Class "C" 2% CaCl₂ circ. cmt. WOC 18 Hrs. PT csg. 700 PSI.

11/30/81 Ran 4 1/2" csg. to 4050', 10 1/2#, K-55. Cmt. with 1425 sxs Class "C" 5050 POZ with 3/10ths of 1% Halid, 3/10ths of 1% CFR₂, 2% gel, 309 slurry.

12/1/81 Waiting on Completion Unit.

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

SIGNED Nancy Stoltz TITLE AGENT

DATE 12/4/81

APPROVED BY Mike Williams

OIL AND GAS INSPECTOR

DATE FEB 4 1982

CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED	
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LAND OFFICE	1
OPERATOR	1

JIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

OCT 15 1981

O. C. D.
ARTESIA, OFFICE

Form C-103
Revised 10-1-78

5a. Indicate Type of Lease
State ☒ For ☐
5. State Oil & Gas Lease No.
STA-LG-566-1

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 APPLICATION FOR PERMIT TO DRILL (FORM C-101) FOR SUCH PROPOSALS.)

1. Name of Operator Viking Petroleum Inc. /	7. Unit Agreement Name N/A
2. Address of Operator 1050 17th Street- Suite 1950, Denver, Colorado 80265	8. Farm or Lease Name Grynberg 16 State
3. Location of Well UNIT LETTER <u>N</u> <u>660</u> FEET FROM THE <u>South</u> LINE AND <u>1980</u> FEET FROM THE <u>West</u> LINE, SECTION <u>16</u> TOWNSHIP <u>5S</u> RANGE <u>24E</u> N.M.P.M.	9. Well No. 2
15. Elevation (Show whether DF, RT, GR, etc.) 4031.46 GR	10. Field and Pool, or Wildcat Undesignated Abo
	12. County Chaves

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOBS ☐	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work; SEE RULE 1103.)

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
13-1/2"	10-3/4"	40.5#	900'	good returns to surface	
7-7/8"	4-1/2"	9.5#	4200'	500' above top of pay	

PROPOSED PROGRAM:

1. Drill 13-1/2" hole to 900'. Run 10-3/4" Surface Casing.
2. Drill 7-7/8" hole to 4200', checking B.O.P. daily.
3. Run tests and logs as needed.
4. Run 4-1/2" Production Casing if warranted.
5. Perforate and stimulate as needed.

In the event that circulation is lost while drilling the 7-7/8" hole and intermediate casing is needed, the hole will be reamed and 1500' of 8-5/8" intermediate casing will be set.

* 7 7/8"

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

SIGNED Nancy Stalge TITLE Agent DATE 10-13-81
Nancy Stalge, Jack Grynberg and Associates
APPROVED BY W.A. Gressett TITLE SUPERVISOR, DISTRICT II DATE OCT 21 1981

CONDITIONS OF APPROVAL, IF ANY:

* as noted above

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OPERATOR	1

NEW MEXICO OIL CONSERVATION COMMISSION

OCT - 9 1981

O. C. D.

ARTESIA, OFFICE

30-005-61150
Form C-101
Revised 1-1-65

5A. Indicate Type of Lease

STATE ☒ FEE ☐

5. State Oil & Gas Lease No.

LG-566-1

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL ☒ DEEPEN ☐ PLUG BACK ☐		N/A	
OIL WELL ☐ GAS WELL ☒ OTHER ☐		8. Farm or Lease Name	
SINGLE ZONE ☒ MULTIPLE ZONE ☐		16 Grynberg, State	
2. Name of Operator Viking Petroleum, Inc.		9. Well No. 2	
3. Address of Operator 1050 17th Street - Suite 1950, Denver, Colorado 80265		10. Field and Pool, or Wildcat Undesignated Abo	
4. Location of Well UNIT LETTER N LOCATED 660 FEET FROM THE South LINE AND 1980 FEET FROM THE West LINE OF SEC. 16 TWP. 5S RGE. 24E NMPM		12. County Chaves	
19. Proposed Depth 4200'		19A. Formation Abo	
20. Rotary or C.T. Rotary			
21. Elevations (Show whether D.F., R.T., etc.) 4031.46 GR		21A. Kind & Status Plug. Bond Current Blanket	
21B. Drilling Contractor Bill Isler		22. Approx. Date Work will start Oct. 10, 1981	

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
16" 17 1/2"	13 3/8"	48#	300'	good returns	to surface
12 1/4"	8 5/8"	28#	1500'	750 sx	
7 7/8"	4 1/2" 7 1/2"	10.5#	4200'	500' above top of pay	

1. Rig up. Drill 16" hole to 300'. Set 13 3/8" surface casing.
2. Drill 12 1/4" hole to 1500'. Set 8 5/8" intermediate casing.
3. Log B.O.P. check in daily report and drill 7 7/8" hole to 4200'.
4. Run tests and logs as necessary and run 4 1/2" production casing if warranted.
5. Perforate and stimulate as needed.

Blowout preventer diagram attached.

Gas is not dedicated.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 4-13-82
UNLESS DRILLING UNDERWAY

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Nancy Stoltz, Jack Grynberg and Associates Agent
(This space for State Use)

Date 10-8-81

APPROVED BY W.A. Gressett TITLE SUPERVISOR, DISTRICT II DATE OCT 12 1981

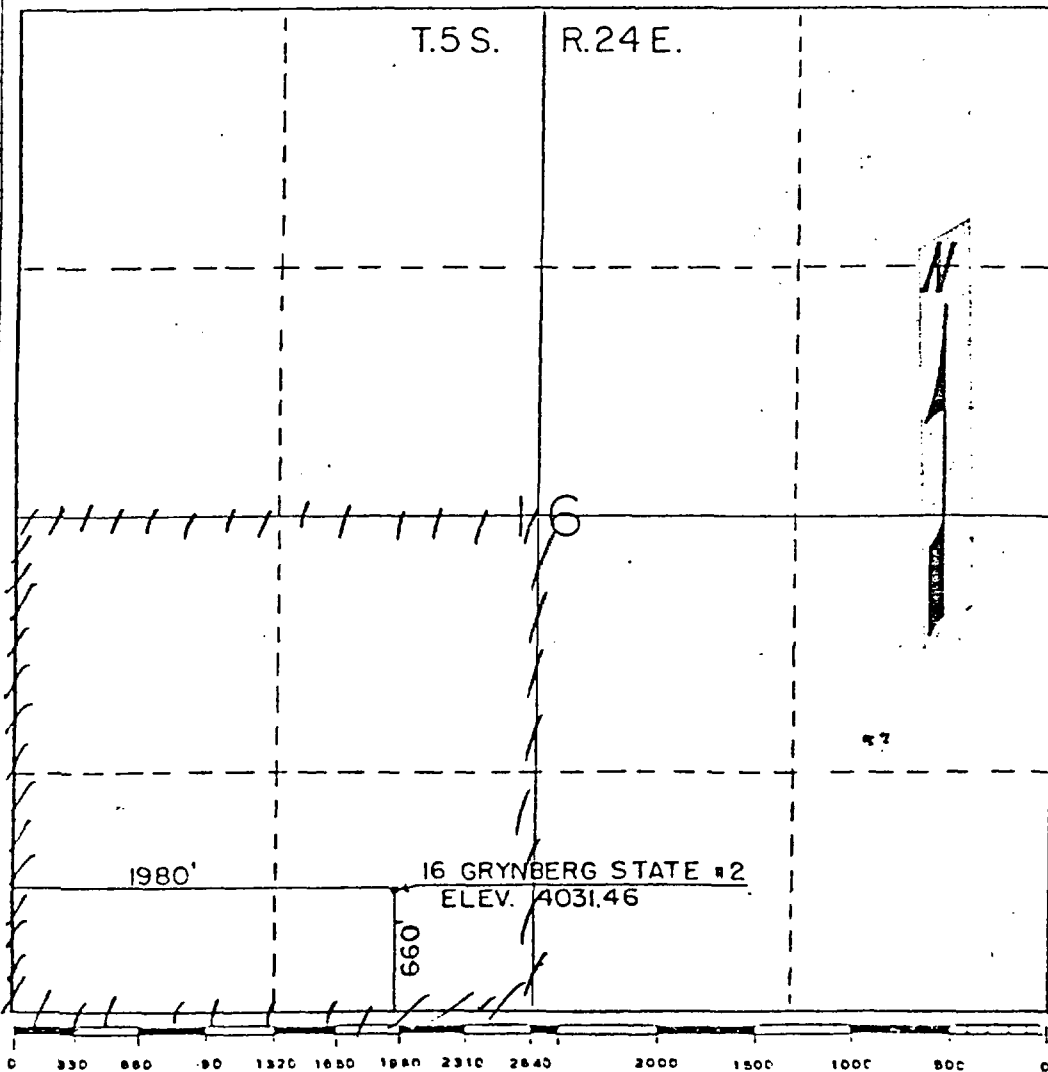
CONDITIONS OF APPROVAL, IF ANY:

1. *Introduction*
 2. *Methodology*
 3. *Results*
 4. *Discussion*
 5. *Conclusion*
 6. *References*
 7. *Appendix*
 8. *Index*
 9. *Table of Contents*
 10. *Summary*
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 2

Viking Petroleum, Inc.		16 26 Grynberg State		Well No. 2	
Unit Letter N	Section 16	Township 5-S	Range 24-E	County Chaves	
Approx. Surface Location of Well:					
660		feet from the SOUTH		line and 1980	
		feet from the		WEST line	
Ground Level Elev. 4031.46	Producing Formation ABO		Pool Undesignated Abo		Dedicated Acreage: 160 Acres

- ☐ Yes ☐ No If answer is "yes," type of consolidation: —

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.



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

Name _____

Nancy Stolze

Position

Agent for Viking Petro., Inc.

Company

Jack Grynberg and Associates *

Date _____

10-8-81

I hereby certify that the well location shown on this plot 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.

September 22, 1981

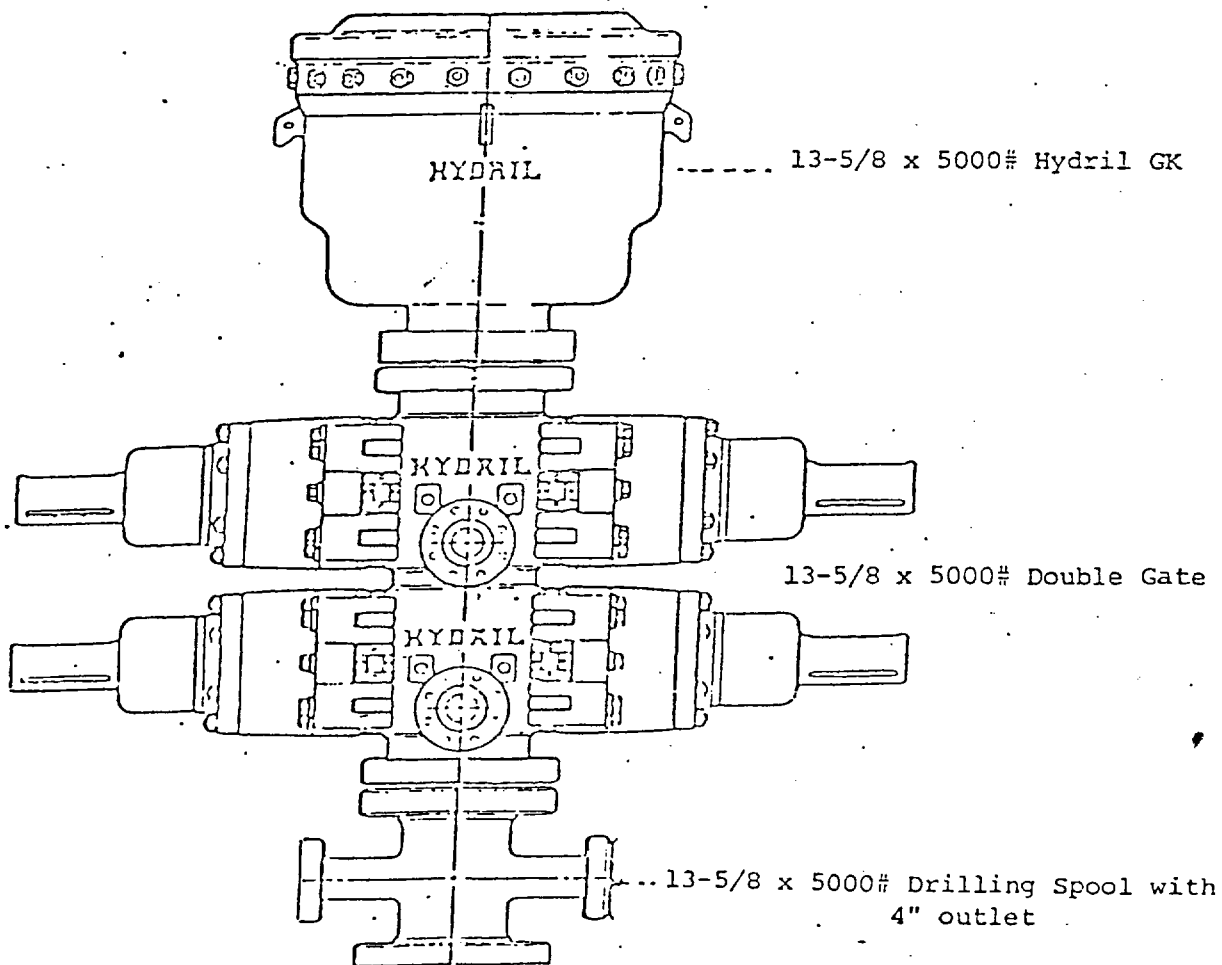
Date-Surveyed _____

Registered Professional Engineer
and/or Land Surveyor
Thomas T. Mann, P.E. & L.S.

New Mexico License No. 277

Certificate No.

B.O.P. Stack



All items H₂S trimmed

J.W. Berry
P.O. Box 512
Alton, NM 88312

2 or 3 wells

Chavez Grynberg 32 State No. 3
(4) 660' FSL and 1980' FWL in Unit N, Section 32
Township 5 South, Range 24 E

Chavez Grynberg 32 State No. 4
(5) 1980' FNL : 1980' FWL in Unit F & Section 32
Township 5 South, Range 24 E

Chavez Grynberg 16 State No. 4
(3) 1980' FNL : 1980' FEL in Unit G, Section 16
T 5 S, R 24 E

Chavez Grynberg 16 State No. 1
(1) 660' FSL : 660' FEL in Unit P,
Sect. 16 T 5 S, R 24 E

Chavez Grynberg 16 State No. 3
(2) 1980' FNL : 660' FWL Unit E
Sect. 16, T 5 S, R 24 E

where's Harrell well in this set - what county?

where's info on Strata well?

* 60,000 CD - cash collateral
1 yr. maturity
Assignment

Grynberg
1/2/98

1/30/98 Hold on
Jack Grynberg wells. They contacted Ray.

Meteor Developments
Bid pkg
2/23
Talk to EB re: work (Pecan Orchard)

J & G were transferred (=)

Mangano process state - plugged (1)

IT - non compliance

shut in - needs to be repaired is shut in

Lanauz survey - inject wells not
repaired - need repaired
on shut in

Gary Wiak

New Mexico
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
ARTESIA DISTRICT OFFICE

GARY E. JOHNSON
Governor

JENNIFER SALISBURY
Cabinet Secretary

1-2-98

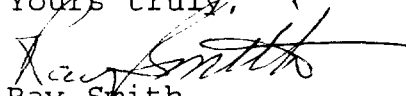
Rand Carroll, Legal Bureau
Oil Conservation Division
2040 So. Pacheco Street
Santa Fe, NM. 87505

Re; Well Plugging; Jack Grynberg, 5000 So. Quebeck, Suite
500 Denver Co. 80237

Dear Rand;

We recommend the following list of wells ⁽⁶⁾ be plugged to
protect fresh waters of the state of New Mexico, the
environment and correlative rights in the area.

Yours truly,


Ray Smith

Jack Grynberg

Harrell			# 1	Sec. 27-20-28	Ut. H
Grynberg	16	State	# 1	Sec. 16- 5-24	Ut. P
Grynberg	16	State	# 3	Sec. 16- 5-24	Ut. E
Grynberg	16	State	# 4	Sec. 16- 5-24	Ut. G
Grynberg	32	State	# 3	Sec. 32- 5-24	Ut. N
Grynberg	32	State	# 4	Sec. 32- 5-24	Ut. F

OIL CONSERVATION DIVISION

P. O. BOX 2000

SANTA FE, NEW MEXICO 87501

RECEIVED

JUL 12 1982

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GASO. C. D.
ARTESIA, OFFICE

NAME	1
ADDRESS	1
PHONE	1
TELETYPE	1
TRANSPORTER	1
OPERATION	1
PRODUCTION OFFICE	1
OPERATOR	1

JACK J. GRYNBERG

Address

1050 17th Street, Suite 1950, Denver, Colorado 80265

Reason(s) for filing (Check proper box)

New Well ☒Recompletion ☐Change in Ownership ☒

Designate

Change in Transporter of:

Oil ☐Casinghead Gas ☐Dry Gas ☐Condensate ☒

Other (Please explain)

If change of ownership give name and address of previous owner VIKING PETROLEUM, INC., 1050 17th St., Suite 1950, Denver, CO 80

I. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, including Formation	Kind of Lease	Lease
Grynberg 32 State	3	Pecos Slope Abo Gas	State, Federal or Fee	State LG-5
Location				
Unit Letter	N	660'	Feet From The	South Line and
Line of Section	32	Township	T 5 S	Range
			R 24 E	NMPM, Chaves

II. 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)					
Navajo Crude Oil Purchasing Company	P.O. Box 159, Artesia, NM 88210					
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent)					
Transwestern Pipeline Company	Box 2521, Houston, TX 77001					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	N	32	5S	24E	No	Approx. 6-28-82

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

V. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Reservoir, Diff. H.
		X	X				
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.				
1/16/82	2/6/82	4130'	4109'				
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth				
4164' KB	ABO	3773'	3701'				
Perforations			Depth Casing Shoe				
3773' - 3953' Abo			4109'				

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
14-3/4"	10-3/4"	908'	650 Sxs
7-7/7"	4-1/2"	4120'	1360 Sxs
4-1/2"	2-3/8"	3701'	NR

VI. TEST DATA AND REQUEST FOR ALLOWABLE

(Test must be after recovery of total volume of load oil and must be equal to or exceed top able 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
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.

Posted ID-3
7-23-82
CJG

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (flow, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

I. CERTIFICATE OF COMPLIANCE

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

Nancy Stolzie
Land Manager

7/9/82

(Date)

(Place)

OIL CONSERVATION DIVISION

APPROVED JUL 14 1982

BY Mike Williams

TITLE OIL AND GAS INSPECTOR

This form is to be filed in compliance with RULE 11

If this is a request for allowable for a new well, this form must be accompanied by a test taken on the well in accordance

All sections of this form must be able on new and recompleted wells.

Fill out only Sections I, II, III, well name or number, or transporter, or

Separate Forms C-104 must be filled on recompleted wells.

New Mexico
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
ARTESIA DISTRICT OFFICE

GARY E. JOHNSON
Governor

JENNIFER SALISBURY
Cabinet Secretary

1-2-98

Rand Carroll, Legal Bureau
Oil Conservation Division
2040 So. Pacheco Street
Santa Fe, NM. 87505

Re; Well Plugging; Jack Grynberg, 5000 So. Quebeck, Suite
500 Denver Co. 80237

Dear Rand;

We recommend the following list of wells be plugged to
protect fresh waters of the state of New Mexico, the
environment and correlative rights in the area.

Yours truly,


Ray Smith

Jack Grynberg

Harrell			# 1	Sec. 27-20-28	Ut. H
Grynberg	16	State	# 1	Sec. 16- 5-24	Ut. P
Grynberg	16	State	# 3	Sec. 16- 5-24	Ut. E
Grynberg	16	State	# 4	Sec. 16- 5-24	Ut. G
Grynberg	32	State	# 3	Sec. 32- 5-24	Ut. N
Grynberg	32	State	# 4	Sec. 32- 5-24	Ut. F

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
ARTESIA DISTRICT OFFICE

GARY E. JOHNSON
GOVERNOR

JENNIFER SALISBURY
CABINET SECRETARY

11-5-97

Jack Grynberg
5000 So. Quebeck, Suite 500
Denver, Co. 80237

Re; Properly Abandoned Wells;

Dear Sirs;

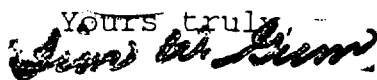
The State of New Mexico is in the process at this time of reviewing leases to determin the number of abandoned and shut in wells.

Rule 201 A. states " The operator of any well drilled for oil, gas or injection, for seismic, core or other exploration, or for a service well, whether cased or uncased, shall be responsible for the plugging thereof."

Rule 201 B. A well shall be either properly plugged and abandoned or temporarily abandoned in accordance with the rules within {90} days after {1} a 60 day period following suspension of drilling. {2} A determination that the well is no longer usable for beneficial purposes. (3) A period of 1 year in which a well has been continuously inactive.

House Bill 65 has been passed by the legislature and provides some tax incentives for wells put back in production. However, if there are no plans to put a well or wells back in service then plugging or proper temporarily abandonment will be required

Please fordward to the Oil Conservation Division office in Artesia by January 2, 1998 a plan to bring the following list of wells into compliance with rule 201. Failure to respond to this request will result in us asking our legal department in Santa Fe to schedule a hearing so you may appear and show cause why these wells should not be plugged.

Yours truly,


Tim Gum

Jack Grynberg;

Grynberg 16 State	# 1	Sec. 16-5-24	Ut. P
	# 3	Sec. 16-5-24	Ut. E
	# 4	Sec. 16-5-24	Ut. G
32 State	# 3	Sec. 32-5-24	Ut. N
	# 4	Sec. 32-5-24	Ut. F

CMD :
OG6CBBD

ONGARD
CAPTURE BLANKET BONDS

09/01/99 09:48:
OGOMM -TP

OGRID Identifier : 11506 Bond Idn : 10207 Bond Status : A
Operator Name, Address : JACK J GRYNBERG
5000 S QUEBEC STE 500
DENVER, CO 80237

Bond Details - Type (Cash/Surety - C/S) : C Bond Co Idn : 13 Amount : 500
Company OGRID Identifier : 26434
Company Name, Address : FIRST INTERSTATE BANK
633 WEST FIFTH ST
LOS ANGELES, CA BAD ADDR

Limited as to future Liability (Y/N) : N If Limited, End Date :

Effective Date : 01-01-1900 Cancellation Date : 12-31-9999

Issuer Bond No : OCD-221

E7024: Only view is allowed

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 COMMENT	PF10 NXTBOND	PF11	PF12

30-005-61344

6605/1980'W-32-55-24e

Jack J. Grynberg

Grynberg 32 ST. #3

Before

1. Run + set CIBP @ 3673' w/ 35' cement
or Run tubing to 3673'.

Set 25 sx cement Plug 3673'-3573'. TAG

2. Circulate brine gel.

3. Set 25sx cement Plug 2180'-2080'.

4. Perforate 4 1/2" casing @ 958'.

R

5. Run Packer, Squeeze cement
100' cement Plug inside + outside 4 1/2" casing. TAG

6. Perforate 4 1/2" casing @ 100'

7. Circulate cement to surface
inside + outside 4 1/2" casing.

= Perfs 3773'-3953' 8. cut + level all surface pits,
cut deadmen, clear location of junk,
Erect dryhole marker.

4 1/2" csg

@ 4120'

Toc- 2080'

10 3/4" csg

@ 908'
circ.

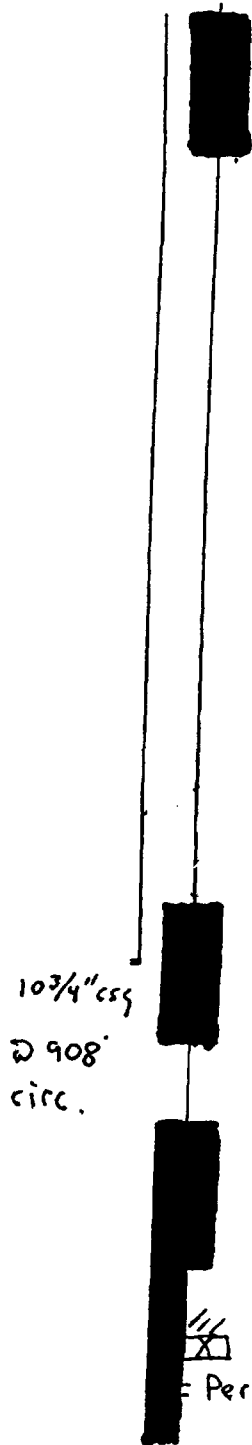
30.005-61344

6605/1980'W-32-55-24e

Jack J. Grynberg

Grynberg 32 ST. #3

After



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or Run tubing to 3673'.

Set 25 sx cement Plug 3673'-3573'. TAG

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R

5. Run Packer, Squeeze cement
100' cement Plug inside + outside 4 1/2" casing. TAG

6. Perforate 4 1/2" casing @ 100'

7. Circulate cement to surface
inside + outside 4 1/2" casing.

Perfs 3773'-3953'

8. Cut + level all surface pits,
cut deadmen, clear location of junk,
Erect dryhole marker.

4 1/2" casing
@ 4120'

Toc- 2080'

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-104
Revised 10-1-78
RECEIVED

JUL 12 1982

O. C. D.
ARTESIA, OFFICEREQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

JACK J. GRYNBERG

Address 1050 17th Street, Suite 1950, Denver, Colorado 80265

Reason(s) for filing (Check proper box)

New Well ☒Recompletion ☐Change in Ownership ☒

Designate

Change in Transporter of:

Oil ☐Casinghead Gas ☐Dry Gas ☐Condensate ☒

Other (Please explain)

If change of ownership give name
and address of previous owner

VIKING PETROLEUM, INC., 1050 17th St., Suite 1950, Denver, CO 80265

I. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, including Formation	Kind of Lease	Lease No.
Grynberg 32 State	4	Pecos Slope Abo Gas	State, Federal or Fed. State	LG-566-
Location				
Unit Letter	F	1980'	Feet From The North Line and 1980'	Feet From The West
Line of Section	32	Township	T 5 S	Range R 24 E, NMPM, Chaves County

II. 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)
Navajo Crude Oil Purchasing Company	P.O. Box 159, Artesia, NM 88210
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent)
Transwestern Pipeline Company	Box 2521, Houston, TX 77001
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
F 32 5S 24E	Yes 5/26/82

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

V. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res't.	Drill. Res't.
		X	X					
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
1/27/82	3/21/82	4136'	4050'					
Elevations (DF, RNB, RT, CR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
4171.5' KB	Abo	3850'	3797'					
Perforations	3850' - 3942' Abo	Depth Casing Shoe	4050'					
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
14-3/4"	10-3/4"	908'	600 Sxs					
7-7/8"	4-1/2"	4126'	1500 Sxs					
4-1/2"	2-3/8"	3797'	NR					

VI. 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 total oil 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 First Test-MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (Flow, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

I. CERTIFICATE OF COMPLIANCE

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

Nancy Stolzie

Land Manager

7/9/82

(Date)

(Date)

OIL CONSERVATION DIVISION

APPROVED JUL 14 1982

BY Mike Williams

TITLE OIL AND GAS INSPECTOR

This form is to be filed in compliance with RULE 1106.

If this is a request for allowable for a newly drilled or deep well, this form must be accompanied by a tabulation of the devt. tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for a) able on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of well name or number, or transporter, or other such change of condi.

Separate Forms C-104 must be filed for each pool in unit completed wells.

New Mexico
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
ARTESIA DISTRICT OFFICE

GARY E. JOHNSON
Governor

JENNIFER SALISBURY
Cabinet Secretary

1-2-98

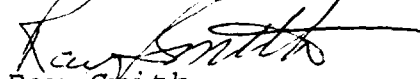
Rand Carroll, Legal Bureau
Oil Conservation Division
2040 So. Pacheco Street
Santa Fe, NM. 87505

Re; Well Plugging; Jack Grynberg, 5000 So. Quebeck, Suite
500 Denver Co. 80237

Dear Rand;

We recommend the following list of wells be plugged to
protect fresh waters of the state of New Mexico, the
environment and correlative rights in the area.

Yours truly,


Ray Smith

Jack Grynberg

Harrell			# 1	Sec. 27-20-28	Ut. H
Grynberg	16	State	# 1	Sec. 16- 5-24	Ut. P
Grynberg	16	State	# 3	Sec. 16- 5-24	Ut. E
Grynberg	16	State	# 4	Sec. 16- 5-24	Ut. G
Grynberg	32	State	# 3	Sec. 32- 5-24	Ut. N
Grynberg	32	State	# 4	Sec. 32- 5-24	Ut. F

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
ARTESIA DISTRICT OFFICE

GARY E. JOHNSON
GOVERNOR

JENNIFER SALISBURY
CABINET SECRETARY

11-5-97

Jack Grynberg
5000 So. Quebeck, Suite 500
Denver, Co. 80237

Re; Properly Abandoned Wells;

Dear Sirs;

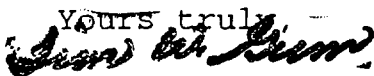
The State of New Mexico is in the process at this time of reviewing leases to determin the number of abandoned and shut in wells.

Rule 201 A. states " The operator of any well drilled for oil, gas or injection, for seismic, core or other exploration, or for a service well, whether cased or uncased, shall be responsible for the plugging thereof."

Rule 201 B. A well shall be either properly plugged and abandoned or temporarily abandoned in accordance with the rules within {90} days after {1} a 60 day period following suspension of drilling. {2} A determination that the well is no longer usable for beneficial purposes. (3) A period of 1 year in which a well has been continuously inactive.

House Bill 65 has been passed by the legislature and provides some tax incentives for wells put back in production. However, if there are no plans to put a well or wells back in service then plugging or proper temporarily abandonment will be required

Please fordward to the Oil Conservation Division office in Artesia by January 2, 1998 a plan to bring the following list of wells into compliance with rule 201. Failure to respond to this request will result in us asking our legal department in Santa Fe to schedule a hearing so you may appear and show cause why these wells should not be plugged.

Yours truly,


Tim Gum

Jack Grynberg;

Grynberg 16 State	# 1	Sec. 16-5-24	Ut. P
	# 3	Sec. 16-5-24	Ut. E
	# 4	Sec. 16-5-24	Ut. G
32 State	# 3	Sec. 32-5-24	Ut. N
	# 4	Sec. 32-5-24	Ut. F

CMD :
OG6CBB

ONGARD
CAPTURE BLANKET BONDS

09/01/99 09:48:
OGOMM -TP

OGRID Identifier : 11506 Bond Idn : 10207 Bond Status : A
Operator Name, Address : JACK J GRYNBERG
5000 S QUEBEC STE 500
DENVER,CO 80237

Bond Details - Type (Cash/Surety - C/S) : C Bond Co Idn : 13 Amount : 500
Company OGRID Identifier : 26434
Company Name, Address : FIRST INTERSTATE BANK
633 WEST FIFTH ST
LOS ANGELES,CA BAD ADDR

Limited as to future Liability (Y/N) : N If Limited, End Date :

Effective Date : 01-01-1900 Cancellation Date : 12-31-9999

Issuer Bond No : OCD-221

E7024: Only view is allowed

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 COMMENT	PF10 NXTBOND	PF11	PF12

30-015-61364

1480' N / 1480' W - 32-55-24e

Jack J. Grynberg

Grynberg 32 ST. #4

Before

1. Run + set CSBP @ 3750' w/35' cement.

2. Circulate brine gel.

3. Set 25 sx cement Plug 1520'-1420'.

4. Perforate 4 1/2" casing @ 958'.

5. Run Packer. Squeeze cement
100' cement Plug inside + outside
4 1/2" casing. TAG

6. Perforate 4 1/2" casing @ 100'.
Circulate cement to surface
inside + outside 4 1/2" casing.

7. Cut + level all surface pits,
Cut deadmen, Clear junk from location,
= Perfs 3850'-3942'. Erect dry hole marker.

10 3/4" CSG
@ 908'

4 1/2" casing

set @ 4126'

TOC - 908'?

1980' N / 1980' W - 32-55-24e

Jack J. Grynberg

Grynberg 32 ST. #4

After.

1. Run + set CSBP @ 3750' w/35' cement.

2. Circulate brine gel.

3. Set 25 sx cement Plug 1520'-1420'.

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6. Perforate 4 1/2" casing @ 100'.
Circulate cement to surface
inside + outside 4 1/2" casing.

7. Cut + level all surface pits,
Cut deadmen, Clear junk from location,
Perfs 3850'-3942'. Erect dry hole marker.

10 3/4" csg
set @ 908'

OIL CONSERVATION DIVISION

P. O. BOX 2000

SANTA FE, NEW MEXICO 87501

RECEIVED

JUL 12 1982

O. C. D.
ARTESIA, OFFICEREQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

JACK J. GRYNBERG ✓

Address
1050 17th Street, Suite 1950, Denver, Colorado 80265

Reason(s) for filing (Check proper box)

New Well ☐Recompletion ☐Change in Ownership ☒

Change in Transporter of:

Oil ☐Dry Gas ☐Casinghead Gas ☐Condensate ☐

Other (Please explain)

If change of ownership give name
and address of previous owner

VIKING PETROLEUM, INC., 1050 17th Street, Suite 1950, Denver, CO 80265

I. DESCRIPTION OF WELL AND LEASE

Lease Name Grynberg 16 State	Well No. 4	Pool Name, including Formation Pecos Slope Abo Gas	Kind of Lease State, Federal or Free State	Lease No. LG-566-
Location Unit Letter <u>G</u> : <u>1980'</u> Feet From The <u>North</u> Line and <u>1980'</u> Feet From The <u>East</u> Line of Section <u>16</u> Township <u>T 5 S</u> Range <u>R 24 E</u> , NMPM, <u>Chaves</u> County				

II. 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)
Navajo Crude Oil Purchasing Company	P.O. Box 159, Artesia, NM 88210
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent)
Transwestern Pipeline Company	Box 2521, Houston, TX 77001
If well produces oil or liquids, give location of tanks.	Unit <u>G</u> Sec. <u>16</u> Twp. <u>5S</u> Rge. <u>24E</u> Is gas actually connected? <u>Yes</u> When <u>5/3/82</u>

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

V. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well ☐	Gas Well ☒	New Well ☒	Workover ☐	Deepen ☐	Plug Back ☐	Same Res'tv. Diff. Pres. ☐
Date Spudded 12/16/81	Date Compl. Ready to Prod. 1/29/82		Total Depth 4100'		P.B.T.D. 3700'		
Elevations (DF, RKB, RT, CR, etc.) 3982' KB	Name of Producing Formation Abo		Top Oil/Gas Pay 3546'		Tubing Depth 3510' GR		
Perforations 3546' - 3650'					Depth Casing Shoe 3700'		
TUBING, CASING, AND CEMENTING RECORD							
HOLE SIZE 14-3/4"	CASING & TUBING SIZE 10-3/4"		DEPTH SET 901'		SACKS CEMENT 600 SXS		
7-7/8"	4-1/2"		3991'		1460 SXS		
4-1/2"	2-3/8"		3510' GR		NR		

VI. 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 oil available 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 First Test - MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (prior, back pr.)	Tubing Pressure (Shut-In)	Casing Pressure (Shut-In)	Choke Size

I. CERTIFICATE OF COMPLIANCE

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

Nancy Stozle (Signature)
Land Manager

7/9/82

(Date)

(Date)

OIL CONSERVATION DIVISION

APPROVED JUL 14 1982

BY Mike Williams

TITLE OIL AND GAS INSPECTOR

This form is to be filed in compliance with RULE 110c.

If this is a request for allowable for a newly drilled or deep well, this form must be accompanied by a tabulation of the device logs taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for all able on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of well name or number, or transporter, or other such change of fund.

Separate Forms C-104 must be filed for each well in completed wells.

New Mexico
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
ARTESIA DISTRICT OFFICE

GARY E. JOHNSON
Governor

JENNIFER SALISBURY
Cabinet Secretary

1-2-98

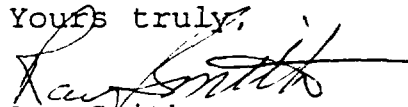
Rand Carroll, Legal Bureau
Oil Conservation Division
2040 So. Pacheco Street
Santa Fe, NM. 87505

Re; Well Plugging; Jack Grynberg, 5000 So. Quebeck, Suite
500 Denver Co. 80237

Dear Rand;

We recommend the following list of wells be plugged to
protect fresh waters of the state of New Mexico, the
environment and correlative rights in the area.

Yours truly,


Ray Smith

Jack Grynberg

Harrell			# 1	Sec. 27-20-28	Ut. H
Grynberg	16	State	# 1	Sec. 16- 5-24	Ut. P
Grynberg	16	State	# 3	Sec. 16- 5-24	Ut. E
Grynberg	16	State	# 4	Sec. 16- 5-24	Ut. G
Grynberg	32	State	# 3	Sec. 32- 5-24	Ut. N
Grynberg	32	State	# 4	Sec. 32- 5-24	Ut. F

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
ARTESIA DISTRICT OFFICE

GARY E. JOHNSON
GOVERNOR

JENNIFER SALISBURY
CABINET SECRETARY

11-5-97

Jack Grynberg
5000 So. Quebec, Suite 500
Denver, Co. 80237

Re; Properly Abandoned Wells;

Dear Sirs;

The State of New Mexico is in the process at this time of reviewing leases to determin the number of abandoned and shut in wells.

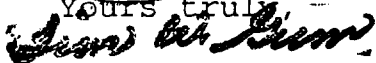
Rule 201 A. states " The operator of any well drilled for oil, gas or injection, for seismic, core or other exploration, or for a service well, whether cased or uncased, shall be responsible for the plugging thereof."

Rule 201 B. A well shall be either properly plugged and abandoned or temporarily abandoned in accordance with the rules within {90} days after {1} a 60 day period following suspension of drilling. {2} A determination that the well is no longer usable for beneficial purposes. {3} A period of 1 year in which a well has been continuously inactive.

House Bill 65 has been passed by the legislature and provides some tax incentives for wells put back in production. However, if there are no plans to put a well or wells back in service then plugging or proper temporarily abandonment will be required

Please forward to the Oil Conservation Division office in Artesia by January 2, 1998 a plan to bring the following list of wells into compliance with rule 201. Failure to respond to this request will result in us asking our legal department in Santa Fe to schedule a hearing so you may appear and show cause why these wells should not be plugged.

Yours truly,



Tim Gum

Jack Grynberg;

Grynberg 16	State	# 1	Sec. 16-5-24	Ut. P
		# 3	Sec. 16-5-24	Ut. E
		# 4	Sec. 16-5-24	Ut. G
32	State	# 3	Sec. 32-5-24	Ut. N
		# 4	Sec. 32-5-24	Ut. F

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
ARTESIA DISTRICT OFFICE

GARY E. JOHNSON
GOVERNOR

JENNIFER SALISBURY
CABINET SECRETARY

October 3, 1996

Jack J. Grynberg
5000 S. Quebec, Suite 500
Denver, CO 80237

RE: Properly Abandoned Wells

The State of New Mexico is in the process at this time of reviewing leases and determining the number of inactive wells.

Rule 201 A. states "The operator of any well drilled for oil, gas or injection, for seismic, core or other exploration, or for a service well, whether cased or uncased, shall be responsible for the plugging thereof."

Rule 201 B. states "A well shall be either properly plugged and abandoned or temporarily abandoned in accordance with these rules within (90) days after (1) a 60 day period following suspension of drilling. (2) A determination that the well is no longer usable for beneficial purposes. (3) A period of 1 year in which a well has been continuously inactive."

House Bill 65 has been passed by the Legislature and provides a 3.75% tax incentive for wells put back in production. However, if there are no plans to put this well back in service then it needs to be either plugged or properly temporarily abandoned.

Please use Form C-103 and Form C-139 for the 3.75% tax incentive to indicate your intentions for the following inactive well(s):

Grynberg 16 State #1 P 16-5S-24E
Grynberg 16 State #3 E 16-5S-24E
Grynberg 16 State #4 G 16-5S-24E

Please advise this office within 30 days of the date shown above as to your intentions or any change of status for the above listed well(s). If you have any questions or if you need any help - feel free to stop by the office and visit with us.

Sincerely,

Tim W. Gum
Supervisor District II

CMD :
OG6CBBD

ONGARD
CAPTURE BLANKET BONDS

09/01/99 09:48:
OGOMM -TP

OGRID Identifier : 11506 Bond Idn : 10207 Bond Status : A
Operator Name, Address : JACK J GRYNBERG
5000 S QUEBEC STE 500
DENVER, CO 80237

Bond Details - Type (Cash/Surety - C/S) : C Bond Co Idn : 13 Amount : 500
Company OGRID Identifier : 26434
Company Name, Address : FIRST INTERSTATE BANK
633 WEST FIFTH ST
LOS ANGELES, CA BAD ADDR

Limited as to future Liability (Y/N) : N If Limited, End Date :

Effective Date : 01-01-1900 Cancellation Date : 12-31-9999

Issuer Bond No : OCD-221

E7024: Only view is allowed

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 COMMENT	PF10 NXTBOND	PF11	PF12

30 015-61152

1980'N / 1980'E - 16-5-24

JACK J. Grynberg

Grynberg 16 St. #4

Before

1. Run + set CIBP @ 3446' w/ 35' cement.
or Run tubing to 3637'

Set 25 sk cement Plug 3446' - 3546' TAG

2. Circulate brine gel.

3. Set 25 sk cement Plug 1210' - 1110'.

4. Perforate 4 1/2" casing @ 951'.

5. Run Packer. Squeeze cement 100' cement Plug
inside + outside 4 1/2" casing. TAG

6. Perforate 4 1/2" casing @ 100'
Circulate cement to surface
inside + outside 4 1/2" casing.

7. Cut + level all surface pits,

Perfs 3546' - 3750', Cut deamen, Clear location of junk,
Erect dry hole marker.

4 1/2" csq

set @ 3990'

w/ 1460 sk cement.

cal. to circ.

30 015 61152

1980'N / 1980'E - 16-5-24

JACK J. Grynberg

Grynberg 16 St. #4

After.

1. Run + set CIBP @ 3446' w/ 35' cement.
or Run tubing to 3637'

Set 25 sk cement Plug 3446' - 3546' TAG

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6. Perforate 4 1/2" casing @ 100'
Circulate cement To Surface
inside + outside 4 1/2" casing.

7. Cut + level all surface pits,
Cut deamen, Clear location of junk,
Erect dry hole marker.

10 3/4" csg
set @ 901'

4 1/2" csg

set @ 3990'

w/ 1460 sk cement.

Cal. to Circ.?

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
ARTESIA DISTRICT OFFICE

GARY E. JOHNSON
GOVERNOR

JENNIFER SALISBURY
CABINET SECRETARY

11-5-97

Jack Grynberg
5000 So. Quebec, Suite 500
Denver, Co. 80237

Re; Properly Abandoned Wells;

Dear Sirs;

The State of New Mexico is in the process at this time of reviewing leases to determin the number of abandoned and shut in wells.

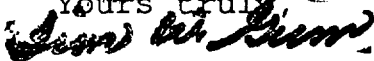
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House Bill 65 has been passed by the legislature and provides some tax incentives for wells put back in production. However, if there are no plans to put a well or wells back in service then plugging or proper temporarily abandonment will be required

Please forward to the Oil Conservation Division office in Artesia by January 2, 1998 a plan to bring the following list of wells into compliance with rule 201. Failure to respond to this request will result in us asking our legal department in Santa Fe to schedule a hearing so you may appear and show cause why these wells should not be plugged.

Yours truly,



Tim Gum

Jack Grynberg;

Grynberg 16 State	# 1	Sec. 16-5-24	Ut. P
	# 3	Sec. 16-5-24	Ut. E
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32 State	# 3	Sec. 32-5-24	Ut. N
	# 4	Sec. 32-5-24	Ut. F

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
ARTESIA DISTRICT OFFICE

GARY E. JOHNSON
GOVERNOR

JENNIFER SALISBURY
CABINET SECRETARY

October 3, 1996

Jack J. Grynberg
5000 S. Quebec, Suite 500
Denver, CO 80237

RE: Properly Abandoned Wells

The State of New Mexico is in the process at this time of reviewing leases and determining the number of inactive wells.

Rule 201 A. states "The operator of any well drilled for oil, gas or injection, for seismic, core or other exploration, or for a service well, whether cased or uncased, shall be responsible for the plugging thereof."

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House Bill 65 has been passed by the Legislature and provides a 3.75% tax incentive for wells put back in production. However, if there are no plans to put this well back in service then it needs to be either plugged or properly temporarily abandoned.

Please use Form C-103 and Form C-139 for the 3.75% tax incentive to indicate your intentions for the following inactive well(s):

Grynberg 16 State #1 P 16-5S-24E
Grynberg 16 State #3 E 16-5S-24E
Grynberg 16 State #4 G 16-5S-24E

Please advise this office within 30 days of the date shown above as to your intentions or any change of status for the above listed well(s). If you have any questions or if you need any help - feel free to stop by the office and visit with us.

Sincerely,

Tim W. Gum
Supervisor District II

30-015-61149

660'S / 660'E-16-5-24

Jack J. Grynberg

Grynberg 16 St. #1

Before

1. Run & set CIBP @ 3492' w/35' cement.
or Run tubing to 3492'.
Set 25 sx cement Plug 3492'-3392'.

2. Circulate brine gel.

3. Set 25 sx cement Plug 1480'-1380'.

4. Perforate 4 1/2" casing @ 910'.

5. Run Packer Squeeze cement 100' cement Plug -
inside & outside 4 1/2" casing. TAG

6. Perforate 4 1/2" casing @ 100'.
Circulate cement to surface
inside & outside 4 1/2" casing.

7. Cut & level all surface pits,
Cut deadmen, Clear location of junk,
Erect dryhole marker.

± Perfs 3592'-

4 1/2" - csq

set @ 4150'

w/ 1495 sx

Toc - 960'

30-015-61149

660'S / 660'E-16-5-24

Jack J. Grynberg

Grynberg 16 St. #1

After

1. Run & set CIBP @ 3492' w/35' cement.
or Run tubing to 3492'.
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2. Circulate brine gel.

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10 3/4" csg
set @ 860'

Perfs 3592'-

4 1/2" csg
set @ 4150'
w/ 1495 sx
Toc-960'

```

CMD :                                ONGARD                                09/01/99 09:48:
OG6CBBD                             CAPTURE BLANKET BONDS                     OGOMM  -TP

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OGRID Identifier      : 11506 Bond Idn : 10207 Bond Status : A
Operator Name, Address : JACK J GRYNBERG
                        5000 S QUEBEC STE 500
                        DENVER,CO 80237
```

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Bond Details - Type (Cash/Surety - C/S) : C Bond Co Idn :      13 Amount   : 500  
Company OGRID Identifier : 26434  
Company Name, Address    : FIRST INTERSTATE BANK  
                          633 WEST FIFTH ST  
                          LOS ANGELES,CA BAD ADDR
```

Limited as to future Liability (Y/N) : N If Limited, End Date :

Effective Date : 01-01-1900 Cancellation Date : 12-31-9999

Issuer Bond No : OCD-221

E7024: Only view is allowed

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PF01 HELP      PF02      PF03 EXIT      PF04 GoTo      PF05      PF06 CONFIRM
PF07      PF08      PF09 COMMENT PF10 NXTBOND PF11      PF12
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New Mexico
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
ARTESIA DISTRICT OFFICE

GARY E. JOHNSON
Governor

JENNIFER SALISBURY
Cabinet Secretary

1-2-98

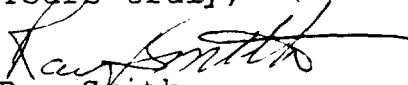
Rand Carroll, Legal Bureau
Oil Conservation Division
2040 So. Pacheco Street
Santa Fe, NM. 87505

Re; Well Plugging; Jack Grynberg, 5000 So. Quebeck, Suite
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Dear Rand;

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protect fresh waters of the state of New Mexico, the
environment and correlative rights in the area.

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Ray Smith

Jack Grynberg

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Grynberg	32	State	# 4	Sec. 32- 5-24	Ut. F

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

RECEIVED Form C-103
Revised 10-1-78

MAY - 3 1982

O. C. D.
ARTESIA, OFFICEREQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

NO. OF APPLICANTS	5
DATE RECEIVED	5/3/82
FILE	1
LAND OFFICE	1
TRANSPORTER	1
OPERATOR	1
PRODUCTION OFFICE	1
EDITOR	1

VIKING PETROLEUM, INC. / Jack J Grynberg

Address
1050 17th Street, Suite 1950, Denver, Colorado 80265

Reason(s) for filing (Check proper box)

New Well	☒	Change in Transporter of:	
Recompletion	☐	Oil	☐
Change in Ownership	☐	Casinghead Gas	☐
		Dry Gas	☒
		Condensate	☒

Other (Please explain)

If change of ownership give name
and address of previous owner

DESCRIPTION OF WELL AND LEASE

Lease Name Grynberg 16 State	Well No. 1	Pool Name, Including Formation Pecos Slope Abo Gas	Kind of Lease State, Federal or Fed. STATE	Lease No. LG-566-1
Location Unit Letter <u>P</u> : <u>660'</u> Feet From The <u>South</u> Line and <u>660'</u> Feet From The <u>East</u> Line of Section <u>16</u> Township <u>T 5 S</u> Range <u>R 24 E</u> , NMPM, Chaves County				

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)	
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent)	
Transwestern Pipeline Company	Box 2521, Houston, TX 77001	
If well produces oil or liquids, give location of tanks.	Unit P	Sec. 16
	Twp. 5S	Rge. 24E
	Is gas actually connected? <u>No Yes</u> When <u>5/13/82 7-28-82</u>	

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 Reservoir	Diff. Res.
		X	X					
Date Spudded 10/30/81	Date Compl. Ready to Prod. 4/20/82		Total Depth 4150'		P.B.T.D. 4076'			
Elevations (DF, REB, RT, GR, etc.) 3988' K.B.	Name of Producing Formation Abo		Top Oil/Gas Pay 3592'		Tubing Depth 3536'			
Perforations 3592' - 3763'					Depth Casing Shoe 4076'			

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
13-3/4	10-3/4	860'	650 Sxs Cement
7-7/8	4-1/2	4150'	1495 Sxs
4-1/2	2-3/8	3536'	NR

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 CAOF 1,097.0	Length of Test 4Hrs.	Bbls. Condensate/AMCF	Gravity of Condensate
Testing Method (prior, back pr.) Flowing	Tubing Pressure (shut-in) 877	Casing Pressure (shut-in)	Choke Size 9/64 - 13/64

CERTIFICATE OF COMPLIANCE

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


MORRIS ETTINGER
AGENT

4/29/82

OIL CONSERVATION DIVISION

APPROVED AUG 4 1982, 12BY M. Williams
OIL AND GAS INSPECTOR

TITLE

This form is to be filed in compliance with RULE 1102.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviating tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for all wells on now and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of own well name or number, or transporter, or other such change of condition.

Separate Forms C-103 must be filed for each pool in multi-completed wells.

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501 APR 28 1982

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GASO. C. D.
ARTESIA, OFFICE

NAME OF OPERATOR	
LOCATION	
LAND OFFICE	
TRANSPORTER	
OPERATOR	
PRODUCTION OFFICE	
REGULATOR	

VIKING PETROLEUM, INC. / JACK J. GRYNBERG

Address
1050 17th Street, Suite 1950, Denver, Colorado 80265

Reason(s) for filing (Check proper box)

New Well	☒	Change in Transporter of:	
Recompletion	☐	Oil	☐
Change in Ownership	☐	Casinghead Gas	☐

Other (Please explain)

If change of ownership give name
and address of previous owner

DESCRIPTION OF WELL AND LEASE

Lease Name Grynberg 16 State	Well No. 3	Pool Name, Including Formation Pecos Slope Abo Gas	Kind of Lease State, Federal or Fed STATE	Lease No. LG-566-1
Location Unit Letter <u>E</u> ; <u>1980'</u> Feet From The <u>North</u> Line and <u>660'</u> Feet From The <u>West</u> Line of Section <u>16</u> Township <u>T 5 S</u> Range <u>R 24 E</u> , NMPM, <u>Chaves</u> County				

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☐ <u>Viking Petroleum, Inc.</u>	Address (Give address to which approved copy of this form is to be sent) <u>1050 17th Street, Suite 1950, Denver, CO 80265</u>
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒ <u>Transwestern Pipeline Company</u>	Address (Give address to which approved copy of this form is to be sent) <u>Box 2521, Houston, TX 77001</u>
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. <u>E 16 S 5 E 24</u>
Is gas actually connected?	When <u>8/19/82</u>

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'v.	Diff. Res'v.
		☒	☒					
Date Spudded <u>1/1/82</u>	Date Compl. Ready to Prod. <u>4/12/82</u>	Total Depth <u>4150'</u>	P.B.T.D. <u>3645'</u>					
Elevations (DF, RAB, RT, GR, etc.) <u>4021' K.B.</u>	Name of Producing Formation <u>ABO</u>	Top Oil/Gas Pay <u>3566'</u>	Tubing Depth <u>3560'</u>					
Perforations <u>3566' - 3583'</u>			Depth Casing Shoe <u>3645'</u>					

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
<u>14-3/4</u>	<u>10-3/4"</u>	<u>925'</u>	<u>800 Sxs Cement</u>
<u>7-7/8</u>	<u>4-1/2"</u>	<u>3900'</u>	<u>1100 Sxs</u>
<u>4-1/2</u>	<u>2-3/8</u>	<u>3560'</u>	<u>NR</u>

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 <u>CAOF 822.4</u>	Length of Test <u>4 Hrs.</u>	Bbls. Condensate/MCF -----	Gravity of Condensate -----
Testing Method (Initial, back pr.) <u>Flowing</u>	Tubing Pressure (Shut-in) <u>579</u>	Casing Pressure (Shut-in)	Choke Size <u>7/64 - 12/64</u>

CERTIFICATE OF COMPLIANCE

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


MORRIS ETTINGERAGENT
4/26/82

OIL CONSERVATION DIVISION

AUG 25 1982

APPROVED _____, 12

BY Leslie A. Clement
SUPERVISOR, DISTRICT II

TITLE

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See note: Form C-104 must be filed for each pool in multi-completed wells.

New Mexico
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
ARTESIA DISTRICT OFFICE

GARY E. JOHNSON
Governor

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Cabinet Secretary

1-2-98

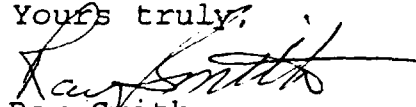
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Oil Conservation Division
2040 So. Pacheco Street
Santa Fe, NM. 87505

Re; Well Plugging; Jack Grynberg, 5000 So. Quebec, Suite
500 Denver Co. 80237

Dear Rand;

We recommend the following list of wells be plugged to
protect fresh waters of the state of New Mexico, the
environment and correlative rights in the area.

Yours truly,


Ray Smith

Jack Grynberg

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STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
ARTESIA DISTRICT OFFICE

GARY E. JOHNSON
GOVERNOR

JENNIFER SALISBURY
CABINET SECRETARY

11-5-97

Jack Grynberg
5000 So. Quebec, Suite 500
Denver, Co. 80237

Re; Properly Abandoned Wells;

Dear Sirs;

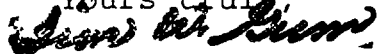
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STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

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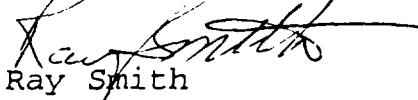
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C

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
ARTESIA DISTRICT OFFICE

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GOVERNOR

JENNIFER SALISBURY
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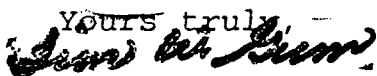
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STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
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Tim W. Gum
Supervisor District II

CMD :	ONGARD	09/01/99 09:48:
OG6CBBD	CAPTURE BLANKET BONDS	OGOMM -TP

OGRID Identifier : 11506 Bond Idn : 10207 Bond Status : A
Operator Name, Address : JACK J GRYNBERG
5000 S QUEBEC STE 500
DENVER,CO 80237

Bond Details - Type (Cash/Surety - C/S) : C Bond Co Idn : 13 Amount : 500
Company OGRID Identifier : 26434
Company Name, Address : FIRST INTERSTATE BANK
633 WEST FIFTH ST
LOS ANGELES,CA BAD ADDR

Limited as to future Liability (Y/N) : N If Limited, End Date :

Effective Date : 01-01-1900 Cancellation Date : 12-31-9999

Issuer Bond No : OCD-221

E7024: Only view is allowed

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 COMMENT	PF10 NXTBOND	PF11	PF12

30-015-61151

1980 N/660'W-16-S-24

Jack J. Grynberg

Grynberg State 16 #3

Before

1. Run & set CIBP @ 3466' w/35' cement.
or Run tubing to 3466'.

Set 25 sx cement Plug 3466'-3366' TAG

2. Circulate brine gel.

3. Set 25 sx cement Plug @ 1160'

4. Perforate 4 1/2" casing @ 975'

5. Run Packer, Squeeze cement 100' cement Plug.
inside & outside 4 1/2" casing. TAG

6. Perforate 4 1/2" @ 100'

Circulate cement to surface
inside & outside 4 1/2" casing.

7. Cut & level all surface pits.

Cut deadmen, Clear location of junk.

Erect dry hole marker.

10 3/4" csg

set @ 925'

4 1/2" csg

set @ 3900'

w/1100

Toc - 925'

= Perfs 3566'-83'

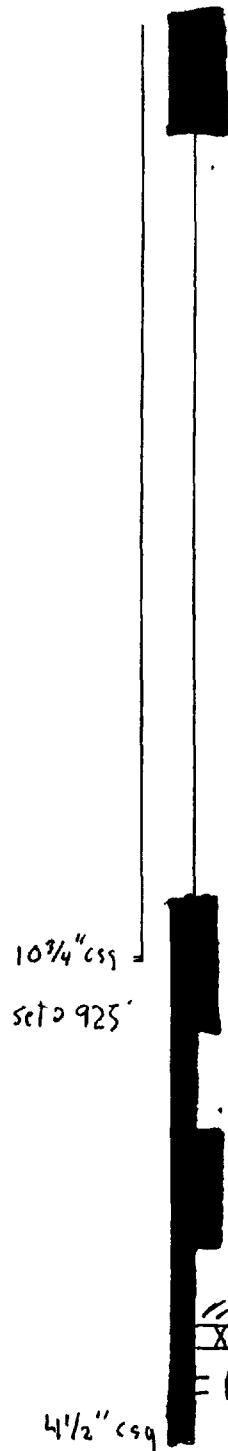
30-015-61151

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