

TABULATION OF DEVIATION TESTS
PAN AMERICAN PETROLEUM CORPORATION
LOBATO GAS UNIT "E" WELL NO. 1

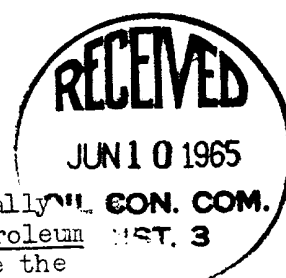
<u>DEPTH</u>	<u>DEVIATION</u>
290'	1/2°
700'	1/2
1008	1/2
1356	3/4
1840	3/4
2233	1
2825	1
3224	3/4
3638	3/4
4044	1/4
4446	1/2
4867	1/2
5275	3/4
5685	1/2
6064	1/2
6496	1

A F F I D A V I T

THIS IS TO CERTIFY that to the best of my knowledge the above tabulation details the deviation test taken on PAN AMERICAN PETROLEUM CORPORATION'S Lobato Gas Unit "E" Well No. 1, Basin Dakota Field, located in NE/4 of SW/4 of Section 3, T-29-N, R-9-W, San Juan County, New Mexico.

Signed F. H. Hollingsworth
Petroleum Engineer

THE STATE OF NEW MEXICO)
) SS.
COUNTY OF SAN JUAN)



BEFORE ME, the undersigned authority, on this day personally appeared F. H. Hollingsworth known to me to be Petroleum Engineer for Pan American Petroleum Corporation and to be the person whose name is subscribed to the above statement, who, being by me duly sworn on oath, states that he has knowledge of the facts stated herein and that said statement is true and correct.

SUBSCRIBED AND SWORN TO before me, a Notary Public in and for said County and State this 9th day of June, 1965.

S. K. Dietz
Notary Public

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

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

I. Operator
PAN AMERICAN PETROLEUM CORPORATION
Address
P. O. BOX 480, FARMINGTON, NEW MEXICO
Reason(s) for filing (Check proper box) Other (Please explain)
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

II. DESCRIPTION OF WELL AND LEASE

Lease Name Lobato Gas Unit "E"	Well No. 1	Pool Name, including Formation Basin Dakota	Kind of Lease State, Federal or Fee Fee
Location Unit Letter K ; 1450 Feet From The West Line and 1750 Feet From The South Line of Section 3 , Township 29-N Range 9-W , NMPM, San Juan County			

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> Plateau, Inc.	Address (Give address to which approved copy of this form is to be sent) P. O. Box 108, Farmington, New Mexico		
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> El Paso Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) P. O. Box 990, Farmington, New Mexico		
If well produces oil or liquids, give location of tanks.	Unit K	Sec. 3	Twp. 29N Rge. 9W
Is gas actually connected?		When	
No			

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

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
Date Spudded 4/22/65	Date Compl. Ready to Prod. 6/2/65		Total Depth 6834		P.B.T.D. 6820			
Pool Basin Dakota	Name of Producing Formation Dakota		Top Oil/Gas Pay 6622'		Tubing Depth 6647			
Perforations 6795-6809 with 4 shots per foot 6720-30 with 3 shots per foot 6624-30 with 4 shots per foot					Depth Casing Shoe 6820			
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
13-3/4"	10-3/4"		290'		225			
9-7/8"	7-5/8"		2425		600			
6-3/4"	4-1/2"		6834		475			
	2-3/8"		6647					

V. 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 3400	Length of Test 3 hours	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.) Back Pressure	Tubing Pressure 275	Casing Pressure 900	Choke Size 3/4"

VI. 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.

ORIGINAL SIGNED BY
L. R. Turner

(Signature)

Administrative Clerk

(Title)

June 8, 1965

(Date)

OIL CONSERVATION COMMISSION
JUN 10 1965
APPROVED _____, 19____
Original Signed By
BY **A. R. KENDRICK**
TITLE **PETROLEUM ENGINEER DIST. NO. 3**

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 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 Sections I, II, III, and VI only for changes of owner, well name or number, or transporter, or other such change of condition.
Separate Forms C-104 must be filed for each pool in multiply completed wells.

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NEW MEXICO OIL CONSERVATION COMMISSION



Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

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 - 1" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER- 2. Name of Operator PAN AMERICAN PETROLEUM CORPORATION 3. Address of Operator P. O. Box 480, Farmington, New Mexico 4. Location of Well UNIT LETTER K 1450 FEET FROM THE West LINE AND 1750 FEET FROM THE South LINE, SECTION 3 TOWNSHIP 29N RANGE 9W NMPM. 15. Elevation (Show whether DF, RT, GR, etc.) (5656 RDB)	7. Unit Agreement Name 8. Farm or Lease Name Lobato Gas Unit "E" 9. Well No. 1 10. Field and Pool, or Wildcat Basin Dakota 12. County San Juan
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Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER Well History <input checked="" type="checkbox"/>

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.

The above well was spudded 4-22-65 & drilled to a depth of 290'. 10-3/4" casing was set at that depth with 225 sacks containing 2% calcium chloride. Cement circulated to surface. After waiting on cement, tested casing with 600 psi. Test ok. Reduced hole to 9-7/8" & resumed drilling.

Well was drilled to a depth of 2425' & 7-5/8" casing was set at that depth with 450 sacks cement containing 6% Gel & 2 LBS Tuf Plug per sack followed by 150 sacks cement containing 2% calcium chloride. After waiting on cement tested 7-5/8" casing with 600 psi. Test ok. Reduced hole size to 6-3/4" & resumed drilling.

Well was drilled to a total depth of 6834' & 4-1/2" casing was set at that depth with DV tool set at 4748. Cemented first stage with 150 sacks cement containing 6% gel & 2 LBS Medium Tuf Plug followed by 100 sacks neat cement. Cemented second stage with 50 sacks neat cement followed by 150 sacks cement containing 4% Gel & 50:50 Pozmix & 1/2 cubic foot Strata Crete "6" per sack & 1 LB Medium Tuf Plug per sack followed by 25 sacks neat cement. DV tool drilled & after waiting on cement tested casing with 3500 psi. Test ok.

Perforated Lower Dakota 6795-6809 with 4 shots per foot. Fractured these perforations with 23,200 gallons water containing .8% Potassium Chloride & 2-1/2 LBS FR-8 per 1000 gallons & 15,000 LB 20-40 sand & 5,000 LB 10-20 sand. Breakdown pressure 2000, Average Treating 3500, Average Injection rate 41 BPM.

2-3/8" tubing landed at 6770' & well tested. Tubing pulled & bridge plug set at 6780 & tested with 3500 psi. Perforated 6720-36 with 3 shots per foot. Fracked these perforations with 32,090

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

(Continued on other side)

Fred L. Nabors - District Engineer

ORIGINAL SIGNED BY

SIGNED **F. H. HOLLINGSWORTH**

TITLE

DATE **6-8-65**

Original Signed By

PETROLEUM ENGINEER DIST. NO. 3

APPROVED BY **A. R. KENDRICK**

TITLE

DATE **JUN 10 1965**

CONDITIONS OF APPROVAL, IF ANY:

gallons water containing .6% potassium chloride & 2-1/2 lbs FR-8 per 1000 gallons water & 21,000 lbs 20-40 sand. Breakdown pressure 700, average treating pressure 3500, average injection rate 34 BPM. Bridge plug set at 6690. Perforated 6624-36 with 4 shots per foot. Well communicated. Treaked these perforations with 38,140 gallons water treated as above & 25,000 lbs 20-40 sand & 10,000 lb 10-20 sand. Breakdown pressure 2800, average treating pressure 3200, average injection rate 41 BPM. Bridge plugs drilled & circulated hole clean. 2-3/8" tubing set at 6647 and well completed 6-2-65 as shut in Basin Dakota Development Well. Preliminary test 34.00 MCFD.