

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

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DISTRIBUTION	
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U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
LG 6557	

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.)OIL WELL ☐ GAS WELL ☒ OTHER-

Name of Operator

Lobo Production

Address of Operator

PO Box 2364 Farmington, NM 87499

Location of Well

UNIT LETTER C 800 FEET FROM THE North LINE AND 1800 FEET FROM

THE West LINE, SECTION 16 TOWNSHIP 32N RANGE 13W NMPM.

7. Unit Agreement Name

8. Farm or Lease Name

Libra

9. Well No.

1

10. Field and Pool, or Wildcat

Wildcat Gallup/Basin Dakota

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

6131 GR

12. County

San Juan

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

NOTICE OF INTENTION TO:

OIL REMEDIAL WORK ☐PROBABLY ABANDON ☐OR ALTER CASING ☐OTHER ☐PLUS AND ABANDON ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐COMMENCE DRILLING OPERATIONS ☐CASING TEST AND CEMENT JOBS ☐OTHER Pull Bridge Plug, Down Hole Commingle ☐ALTERING CASING ☐PLUS AND ABANDONMENT ☐

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.

5-2-84 Pulled Rods and Pump
 5-3-84 to 5-7-84 Cleaned out sand
 5-8-84 Pulled Bridge Plug and tubing
 5-9-84 Ran in hole with 111 joints of 1 1/4 " tubing and landed at 3450'
 rigged well for production
 Well shut in a waiting pipe line connection.

BEFORE EXAMINER STOGNER

OIL CONSERVATION DIVISION

OCD EXHIBIT NO. 19
 CASE NO. 11379

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

TITLE Operator

DATE 10-31-84

Original Signed by FRANK T. CHAVEZ

TITLE

SUPERVISOR DATE 11-1-84

DATE

NOTATIONS OF APPROVAL, IF ANY:

1

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES DESIRED	
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TRANSPORTER	OIL
	GAS
OPERATOR	
PRODUCTION OFFICE	

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-104
Revised 10-01-78
Format 08-01-83
Page 1

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Operator Lobo Production

Address PO Box 2364 Farmington, NM 87499

Reason(s) for filing (Check proper box)

<input checked="" type="checkbox"/> New Well	Change in Transporter of:	Other (Please explain)
<input type="checkbox"/> Recompletion	<input type="checkbox"/> Oil	
<input type="checkbox"/> Change in Ownership	<input type="checkbox"/> Casinghead Gas	
	<input type="checkbox"/> Dry Gas	
	<input type="checkbox"/> Condensate	

change of ownership give name
and address of previous owner

DESCRIPTION OF WELL AND LEASE

Lease Name <u>Libra</u>	Well No. <u>1</u>	Pool Name, including Formation <u>Basin Dakota</u>	Kind of Lease State, Federal or Fee <u>State</u>	Lease No. <u>LG6557</u>
Location				
Unit Letter <u>C</u> ; <u>810</u> Feet From The <u>North</u> Line and <u>1800</u> Feet From The <u>West</u>				
Line of Section <u>16</u> Township <u>32N</u> Range <u>13W</u> , NMPM, <u>San Juan</u> County				

I. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<u>Giant Refinery</u>	<u>PO Box 256 Farmington, New Mexico 87499</u>
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<u>Northwest Pipeline</u>	<u>PO Bxo 8900 Salt Lake City Utah 84108</u>
Well produces oil or liquids, or location of tanks.	Is gas actually connected? When
Unit <u>C</u> Sec. <u>16</u> Twp. <u>32N</u> Rge. <u>13W</u>	<u>no</u> <u>November 15, 1984</u>

his production is commingled with that from any other lease or pool, give commingling order number: DHC 483

NOTE: Complete Parts IV and V on reverse side if necessary.

CERTIFICATE OF COMPLIANCE

reby certify that the rules and regulations of the Oil Conservation Division have
n complied with and that the information given is true and complete to the best of
knowledge and belief.

(Signature)
Operator
(Title)
10-31-84
(Date)

OIL CONSERVATION DIVISION

APPROVED NOV 01 1984, 19
BY Original Signed by FRANK T. CHAVEZ
TITLE SUPERVISOR DISTRICT # 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 allow-
able on new and recompleted wells.
Fill out only Sections I, II, III, and VI 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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STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-104
Revised 10-01-78
Format 06-01-83
Page 1

NO. OF COPIES DESIRED	
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LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRODUCTION OFFICE	

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Operator Lobo Production

Address PO Box 2364 Farmington, NM 87499

Reason(s) for filing (Check proper box)

<input checked="" type="checkbox"/> New Well	Change in Transporter of:	Other (Please explain)
<input type="checkbox"/> Recombination	<input type="checkbox"/> Oil	
<input type="checkbox"/> Change in Ownership	<input type="checkbox"/> Casingshead Gas	
	<input type="checkbox"/> Dry Gas	
	<input type="checkbox"/> Condensate	

change of ownership give name and address of previous owner _____

DESCRIPTION OF WELL AND LEASE

Well Name <u>Libra</u>	Well No. <u>1</u>	Pool Name, including Formation <u>Wildcat Gallup</u>	Kind of Lease State, Federal or Fee <u>State</u>	Lease No. <u>LG6557</u>
Location				
Unit Letter <u>C</u> ; <u>810</u> Feet From The <u>North</u> Line and <u>1800</u> Feet From The <u>West</u>				
Line of Section <u>16</u> Township <u>32N</u> Range <u>13W</u> , NMPM, <u>San Juan</u> County				

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

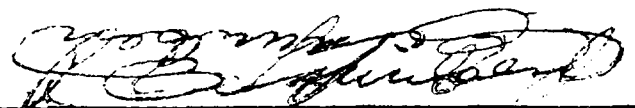
name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<u>Giant Refinery</u>	<u>PO Box 256 Farmington, New Mexico 87499</u>
name of Authorized Transporter of Casingshead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<u>Northwest Pipeline Corp</u>	<u>PO Box 8900 Salt Lake City Utah 84108</u>
well produces oil or liquids, or location of tanks.	Is gas actually connected? When
Unit <u>C</u> Sec. <u>16</u> Twp. <u>32N</u> Rge. <u>13W</u>	<u>no</u> <u>November 15, 1984</u>

his production is commingled with that from any other lease or pool, give commingling order number: DHC 483

NOTE: Complete Parts IV and V on reverse side if necessary.

CERTIFICATE OF COMPLIANCE

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


(Signature)
Operator _____
(Title)
10-31-84
(Date)

OIL CONSERVATION DIVISION

APPROVED NOV 01 1984, 19
BY Original Signed by FRANK T. CHAVEZ
TITLE SUPERVISOR DISTRICT # 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 only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.
Separate Forms C-104 must be filled for each pool in multiply completed wells.

(3)

STATE OF NEW MEXICO
OIL AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED	
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LAND OFFICE	
OPERATOR	

TYPE OF WELL

OIL WELL ☐GAS WELL ☒DRY ☐OTHER ☐

TYPE OF COMPLETION

NEW ☒WORK OVER ☐DEEPEN ☐PLUG JACK ☐DIFF. RESVR. ☐OTHER ☐

Name of Operator

Lobo Production

Address of Operator

PO Box 2364

Farmington, NM 87499

Location of Well

SECTER C LOCATED 810 FEET FROM THE North LINE AND 1800 FEET FROM

West LINE OF SEC. 16 TWP. 32N RGE. 13W NMPM

Date Spudded

-21-83

18. Date T.D. Reached

1-19-84

17. Date Compl. (Ready to Prod.)

3-19-84

18. Elevations (DF, RKB, RT, GR, etc.)

6131 Gr.

19. Elev. Casinghead

6134 KB

Total Depth

3585'

21. Plug Back T.D.

3550'

22. If Multiple Compl., How Many

23. Intervals Drilled By

Rotary Tools

Cable Tools

10)-TD

Producing Interval(s), of this completion - Top, Bottom, Name

2522' to 2924'

Gallup

25. Was Directional Survey Made

yes

Log Electric and Other Logs Run

Production Electric/Gamma Ray/ Spontaneous Potential/neutron Density

27. Was Well Cored

no

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
5/8"	24#	120'	12 1/4	90 Sks(106.2 Cuft MV	
5 1/2	17#	1666'	6 3/4	180 sks(212.0 cuft) Cl B Neat	
3 1/2	9.2#	3568'	4 3/4	80 sks(94.4 cuft) Cl B	

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 1/16	3010'	3110'

Fracturation Record (Interval, size and number)

2522' to 2924' 0.38, 36 shots

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
2522-2924	750 gal 10% Acedic Acid
	750,000 #20/40 sand in 70Q Foam
	(28,000 gal H ₂ O and 772,500 cuft. nitrogen.

PRODUCTION

First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)		
3-24-84	flowing				shutin		
Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
4-23-84	24	1/4	0.43	0.43	47.1	0	109534:1
Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
20	150	0.43	0.43	47.1	0	42	
Position of Gas (Sold, used for fuel, vented, etc.)						Test Witnessed By	
vented during test now shut in						Gary Roberts	
List of Attachments							

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.

4

IV. COMPLETION DATA

Designate Type of Completion -- (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
			X	X					
Date Spudded 12=21-83	Date Compl. Ready to Prod. 3-24-84	Total Depth 3585'			P.B.T.D. 3550'				
Elevations (DF, RKB, RT, GR, etc.) 3161 Gr.	Name of Producing Formation Wildcat Gallup	Top Oil/Gas Pay 2520-2924			Tubing Depth 3450'				
Perforations 2522 to 2924'						Depth Casing Shoe 3568'			

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
1 1/4	8 5/8" 24#	120	90 sks (106.2 Cuft) MV
6 3/4	5 1/2" 17#	1666'	180 sks (212 cuft) ClBNe
4 3/4"	3 1/2" 9.3#	3568	80 sks (94.4 cuft) cl B
	1 1/4"	3450'	

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 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.)	
Depth of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

AS WELL

Actual Prod. Test - MCF/D 47.1	Length of Test 24 hrs	Bbls. Condensate/MCF 0.43	Gravity of Condensate 42
Cementing Method (pilot, back pr.) Bk Pr.	Tubing Pressure (Shut-in) 20	Casing Pressure (Shut-in) 150	Choke Size 1/4"

6

IV. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resrv.	Diff. Resrv.
			X	X					
Date Spudded 12-21-83	Date Compl. Ready to Prod. 3-24-84	Total Depth 3585'				P.B.T.D. 3550'			
Elevations (DF, RKB, RT, GR, etc.) 3161 Gr.	Name of Producing Formation Basin Dakota	Top Oil/Gas Pay 3364-3565				Tubing Depth 3450'			
Perforations 3444' to 3546'						Depth Casing Shoe 3568'			

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
2 1/4	8 5/8" 24#	120	90 sks(106.2 Cuft) MV
6 3/4	5 1/2" 17#	1666'	180 sks(212 cuft) C1BNec
4 3/4"	3 1/2" 9.3#	3568	80 sks(94.4 cuft) cl B
	1 1/4"	3450'	

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 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

AS WELL

Actual Prod. Test - MCF/D 211	Length of Test 24 hrs	Bbls. Condensate/MCF 0	Gravity of Condensate 42
Sealing Method (pilot, back pr.) Back Pr.	Tubing Pressure (Shut-In) 3.5#	Casing Pressure (Shut-In) 100	Choke Size 3/4"

7

L & B Speed Drill •

P. O. BOX 70

FARMINGTON, NEW MEXICO 87401

James L. Ludwick

PHONE (505) 325-1079

C-16-32N-1367

February 9, 1984

Lebo Prod. Co.

Location Lebra # 1

Surveys & Depths

125'	1/4°
700'	1/4°
11.75'	1/2°
1670'	1/2°
2000'	3/4°
2465'	3/4°
3010'	3/4°
T D 3580'	1°

RECEIVED
NOV 13 1984
OIL CON. DIV.
DIST. 3

Signed

James L. Ludwick
James L. Ludwick
Owner

*Robert
J. ...
May 38, 1987.*

(4)

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103
Revised 12-1-

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OPERATOR	

5a. Indicate Type of Lease
State ☒ Fee ☐

5. State Oil & Gas Lease No.
LG 6557

8 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.)

OIL WELL ☐ GAS WELL ☒ OTHER ☐

Name of Operator
Lobo Production

Address of Operator
PO Box 2364 Farmington, NM 87499

Location of Well
UNIT LETTER C 810 FEET FROM THE North LINE AND 1800 FEET FROM
T-E West LINE, SECTION 16 TOWNSHIP 32N RANGE 13W N.M.P.M.

15. Elevation (Show whether DF, RT, GR, etc.)
6131 GR

7. Unit Agreement Name

8. Form or Lease Name
Libra

9. Well No.
1

10. Field and Pool, or Wildcat
Wild Cat Gallup/B. Dakot

12. County
San Juan

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"/>
ILL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/> On Line	CASING TEST AND CEMENT JOB <input type="checkbox"/>	

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.

4-10-85 Well connected to gas line.
Well went on production March 31, 1985

OIL CON. DIV.
(DIST. 3)

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

SIGNED [Signature] TITLE Operator DATE 4-22-85

APPROVED BY Original Signed by FRANK T. CHAVEZ TITLE SUPERVISOR DISTRICT #2 DATE APR 22 1985

CONDITIONS OF APPROVAL, IF ANY:

9



STATE OF NEW MEXICO
ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

December 26, 1990

Robert Finch P.A.
Court Appointed Trustee
Lobo Production Company
210 N. Auburn Avenue
Farmington, NM 87401

RE: Lobo Production Co.
Libra #1, C-16-32N-13W
San Juan County, NM

Dear Mr. Finch:

The Libra #1 well is located on state mineral lease #LG 6557. This lease has reverted to the state. Lobo Production Co. is no longer authorized to operate or produce any well located in section 16-T32N-R13W San Juan County New Mexico. The New Mexico Oil Conservation Division directs Lobo Production Co. to submit a plan for approval to plug the Libra #1 well. Failure to initiate plugging procedures within 60 days will result in a forced plugging by the Oil Conservation Division. An alternative procedure would be to assign the wellbore to a successor lessee. When this lessee posts a bond with the Oil Conservation Division, Lobo's obligations for the Libra #1 wellbore will have been satisfactorily concluded and Lobo's plugging bond can be released. No hydrocarbons or equipment are to be removed from the Libra #1 without permission from the District Office.

Yours truly,

Denny G. Foust
Deputy Oil & Gas Inspector
NMOCD District III

DGF:sh

cc: Bob Stovall
Well File

10



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE



GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 FAX: (505) 334-6170

April 17, 1995

Certified: P 987 892 135

Thomas Dailey P C
Attorney for
First National Bank of Farmington
PO Box 2700
Farmington NM 87499

Robert Finch P A
Court Appointed Trustee
Lobo Prod
210 N Auburn Ave
Farmington NM 87401

Fidelity & Deposit Co of Maryland
PO Box 1227
Baltimore MD 21203

RE: Plugging or Temporary Abandonment of Non-producing Wells

Dear Mr. Dailey:

The referenced wells below are in violation of rule #201 and rule #203.

Gulf Fed 24 #1, #30-043-20672, D-24-23N-06W, 920N/795W
Gulf Fed 36 #1, #30-043-20660, A-36-23N-06W, 850N/800E
Scarecrow #1, #30-045-25208, P-04-24N-08W, 760S/900E
Hynes Kennedy 7 #1, #30-045-25599, O-07-29N-14W, 800S/1885E
Mesa Kirtland 11 #1, #30-045-25540, C-11-29N-15W, 1190N/1850W
Hatch #1, #30-045-24985, C-14-29N-15W, 660N/1980/W
Libra #1, #30-045-25852, C-16-32N-13W, 810N/1800W

You are hereby directed to plug and abandon these wells, return them to production or TA under rule #203 within 30 days.

If you fail to bring the wells into compliance, we will schedule a show cause hearing as to why the listed wells should not be plugged and abandoned.

Sincerely,

Johnny Robinson
Deputy Oil & Gas Inspector

cc: Rand Carroll, well files, Robert Finch P A, Fidelity & Deposit Co

11

DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

3a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
3. State Oil & Gas Lease No.	
LG 6557	

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.

OIL WELL ☐ GAS WELL ☒ OTHER- _____

Name of Operator

Lobo Production

Address of Operator

PO Box 2364 Farmington, NM 87499

Location of Well

UNIT LETTER C 800 FEET FROM THE North LINE AND 1800 FEET FROM

West LINE, SECTION 16 TOWNSHIP 32N RANGE 13W NMPM.

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

6131 GR

7. Unit Agreement Name

8. Farm or Lease Name

Libra

9. Well No.

1

10. Field and Pool, or Wildcat

Wildcat Gallup/Basin-Dakota

12. County

San Juan

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

NOTICE OF INTENTION TO:

DO REMEDIAL WORK ☐

PLUG AND ABANDON ☐

IMMEDIATELY ABANDON ☐

OR ALTER CASING ☐

CHANGE PLANS ☐

OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

COMMENCE DRILLING OPS. ☐

CASING TEST AND CEMENT JOBS ☐

OTHER Plat for 160 acre spacing ☐

ALTERING CASING ☐

PLUG AND ABANDONMENT ☐

Describe the Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed operations.)

10-31-84 attached showing 160 acre spacing for Gallup Gas

RECEIVED
NOV 1 1984
OIL CON. DIV.
DIST. 3

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

Frank T. Chavez

TITLE Operator

DATE 10-31-84

Original Signed by FRANK T. CHAVEZ

TITLE SUPERVISOR DISTRICT # 3

DATE NOV 1 1984

COPIES OF APPROVAL, IF ANY:

12

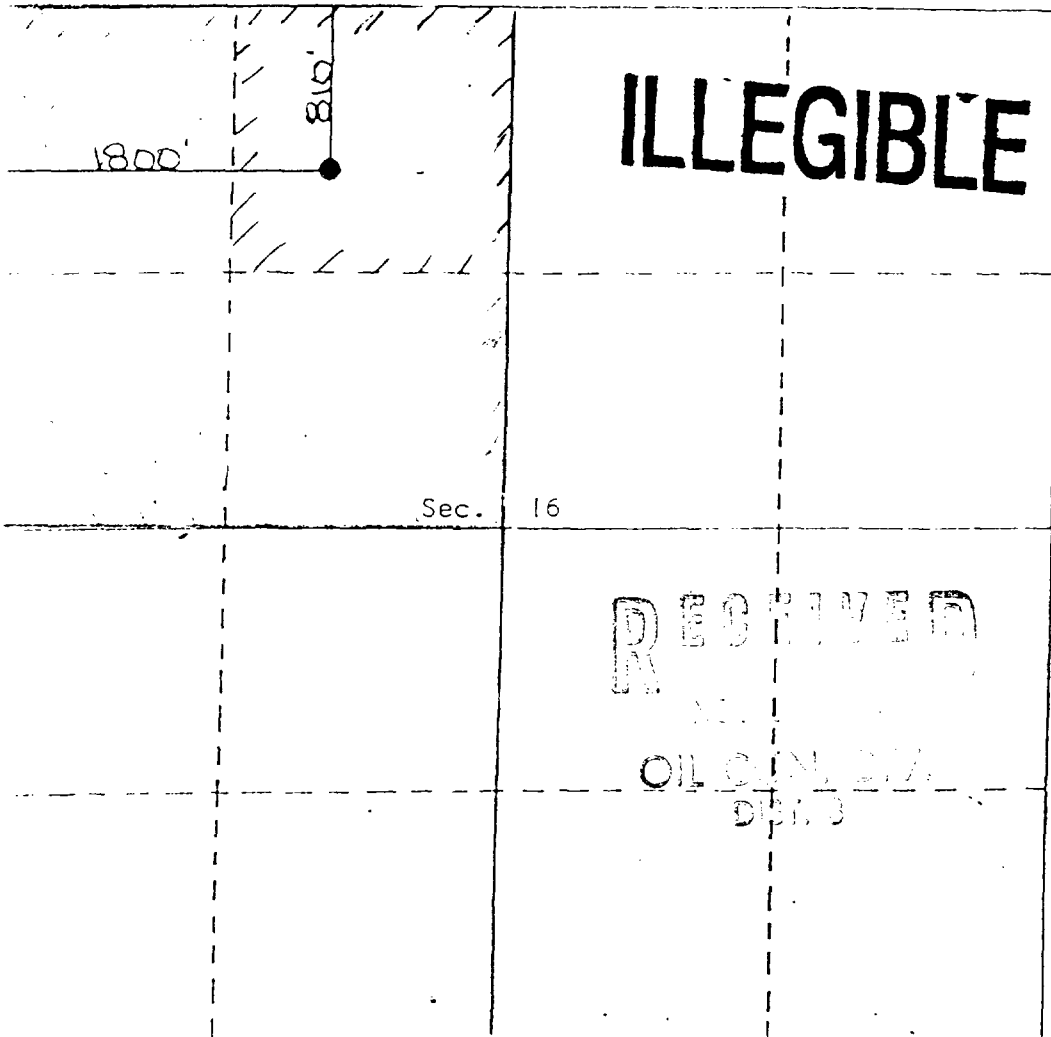
Section	Township	Range	County
16	32 NORTH	13 WEST	SAN JUAN
Well Postage Location of Well:			
810	feet from the NORTH line and	1800	feet from the WEST line
and Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5131	Gallup	Wildcat	160

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



CERTIFICATION

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

[Signature]

Name

Operator

Portion

LOBO PRODUCTION

Company

10-31-84

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.

16 November 1984

[Signature]
 Registered Professional Engineer
 and/or Land Surveyor
 Curtis C. Stoeckling

Certificate No. 5980



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

TONEY ANAYA
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

August 14, 1984

Administrative Order No. DHC-483

Lobo Production Company
P.O. Box 2364
Farmington, NM 87499

Attention: R. E. Lauritsen, Partner

Re: Libra # 1
Unit C, Sec. 16, T-32N,
R-13W, Basin Dakota and
Undesignated Gallup Pools,
San Juan County, New Mexico

Gentlemen:

Reference is made to your recent application for an exception to Rule 303-A of the Division Rules and Regulations to permit the subject well to commingle the production from both pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303-C, and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above.

In accordance with the provisions of Rule 303.C.4., total commingled oil production from the subject well shall not exceed 20 barrels per day, and total water production from the well shall not exceed 40 barrels per day. The maximum amount of gas which may be produced daily from the well shall be determined by allowables established by the Oil Conservation Division proration schedule for these pools.

Assignment of allowable to the well and allocation of production from the well shall be on the following basis:

Basin Dakota Pool:	Oil 0 %, Gas 74 %
Undesignated Gallup Pool:	Oil 100 %, Gas 26 %

Pursuant to Rule 303-C 5, the commingled authority granted by this order may be rescinded by the Division Director if, in his opinion, conservation is not being best served by such commingling.

Very truly yours,



JOE D. RAMEY,
Division Director



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

OIL CONSERVATION DIVISION
BOX 2088
SANTA FE, NEW MEXICO 87501

DATE July 25, 1984

RE: Proposed MC _____
Proposed DHC α _____
Proposed NSL _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____

Gentlemen:

I have examined the application dated July 24, 1984
for the Lobo Production Libra #1 C-16-32N-13W
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve

Yours truly,

Frank D. [Signature]

LOBO PRODUCTION
R.E. Lauritsen & Gary Roberts
P.O. BOX 2364
FARMINGTON, NEW MEXICO 87499
TELEPHONE: (505) 327-0331

July 19, 1984

Mr. Joe Ramey
Oil Conservation Division
Post Office Box 2088
Santa Fe, New Mexico 87501

RE: Administrative Approval
Down Hole Commingling
LG 6557
C, Sec 16, T32N, R13W
#1 Libra
San Juan County, New Mexico

Dear Mr. Ramey:

Lobo Production is hereby requesting down hole commingling of the Gallup and Dakota in the above referenced well. Data from tests and reports are being submitted with this letter. Because of the similarity of the logs and test on the #1 Libra and the #1 Scorpio, it is believed that the data from one well will be applicable to the other well.

The interest owners (Royalty, Overriding Royalty, and working interest) is the same for both the Gallup and Dakota formations.

Enclosed you will find bottom hole pressure test data from the #1 Scorpio. Bottom hole pressures were as follows:

GALLUP 4000'	1386 PSI
DAKOTA 4530'	928 PSI

The pressures fall within the 50% limitation and qualifies for commingling on that basis.

Northwest Energy is preparing deliverability studies on both the Gallup and Dakota zones. It is felt that the deliverability analysis would be the best data for the allocation of production from each zone.

RECEIVED
JUL 24 1984
OIL CON. DIV.
DIST. 3

17

The Dakota has made only dry gas during production tests and it is recommended that all oil production be allocated to the Gallup.

Surrounding mineral owners were notified by certified letter of the request for commingling. Production tests have indicated that it is not economically feasible to drill single zone wells in this area as the reserves from a single zone are not sufficient to "pay out" a well in a reasonable amount of time. Also both zones appear to be gas producers only with very little if any fluids.

If you need additional information or have any questions in regard to the data submitted, please feel free to contact me. Thank you for your consideration of this matter.

Respectfully submitted,


R.E. Lauritsen
Partner

REL:ab

Enclosure

18

LOBO PRODUCTION
R.E. Lauritsen & Gary Roberts
P.O. BOX 2364
FARMINGTON, NEW MEXICO 87499
TELEPHONE: (505) 327-0331

July 20, 1984

#1 LIBRA

C, Sec 16, T32N, R13W
San Juan County, New Mexico

Rule 303 C.2 Down Hole Commingling.

(a) Operator:

Lobo Production (505) 327-0331
P.O. Box 2364
Farmington, NM 87499

(b) Lease:

LG 6557
Libra #1
C, Sec 16, T32N, R13W
San Juan County, New Mexico
Wildcat Gallup - Basin Dakota

(c) Plat:

Attached

(d) Productivity Test:

C-116 and A.O.F. tests attached

(e) Production history:

No Production History-Recently completed wells. GOR test on Gallup - 0.43 BO - 47.1 MCF. Results of the AOF test of the Dakota zone showed 135 MCFGPD from the Dakota. A 24 hour Orifice test of the commingled Gallup-Dakota showed the well flowing 403 MCFGPD after 3 hours with a flow rate of 219 MCFGPD after 24 hours.

Narrative of Production History:

Jan. 26: Set plug at 3550' perforated Dakota 3444-3546'

Jan. 27: Acidized and fraced with 41,600 #10/20 sd ATP 3250 ISIP 1050

Feb. 21: Run AOF Test (AOF 135 MCFGPD)
Unable to obtain bottom hole pressure because of blockage in tubing.

Feb. 22: Perforated Gallup 2522-2924'
 0.1 foam frac sanded off-unable to frac
 March 1: Fracced Gallup with water foam
 and 75,000 #20/40 Sd ATP 3800 ISIP 1250
 March 19: Hooked-up pump jack and began
 pumping. Well would not pump-gas locking
 March 24: GOR test 0.43 BO - 47.1 MCF
 May 10: Removed pump jack and pulled bridge
 plug between Gallup and Dakota
 The well has been flowed intermittantly
 since May 10, without making any measurable
 oil. The load oil from the attempted Gallup
 frac has not been recovered to date.

(f) Bottom Hole Pressures:

Unable to obtain bottom hole pressures due
 to blockage in the tubing (See tefteller
 report)

Bottom Hole Pressure in the Scorpio #1:

Gallup 3800'	1298 PSI
Dakota 4530'	928 PSI

(g) Fluid Characteristics:

The well is producing dry gas from both
 the Gallup and Dakota zones.

(h) Values of Production:

Test: Gallup - GOR 47.1 MCF
 Dakota - AOF 135 MCF
 Gp-Kd Commingled-220 MCF after 24 hours
 The tests indicate that the commingled stream
 will be higher than could be produced if each
 zone were produced separately.

(i) Allocation of Production:

	<u>Test</u>	<u>%</u>
Dakota	135 MCF	74%
Gallup	47 MCF	26%
TOTAL	182 MCF	100%


100% of the oil allocated to the Gallup as the
 Dakota produced no oil during production tests.

20

- (j) All adjacent land owners and operators were notified by certified mail on July 20, 1984 of Lobo Production's intention to commingle Gallup and Dakota zones.

COMMENTS: Bottom hole pressures were not obtained because of a blockage in the tubing during an attempt to run a bottom hole pressure survey. The well was cased with 3 1/2" casing as it was the original intent to drill a Gallup only well. Due to the lack of hydrocarbon shows in the Gallup it was decided to deepen the well to the Dakota. Production tests indicate that the well would not be economic if only one zone were produced.

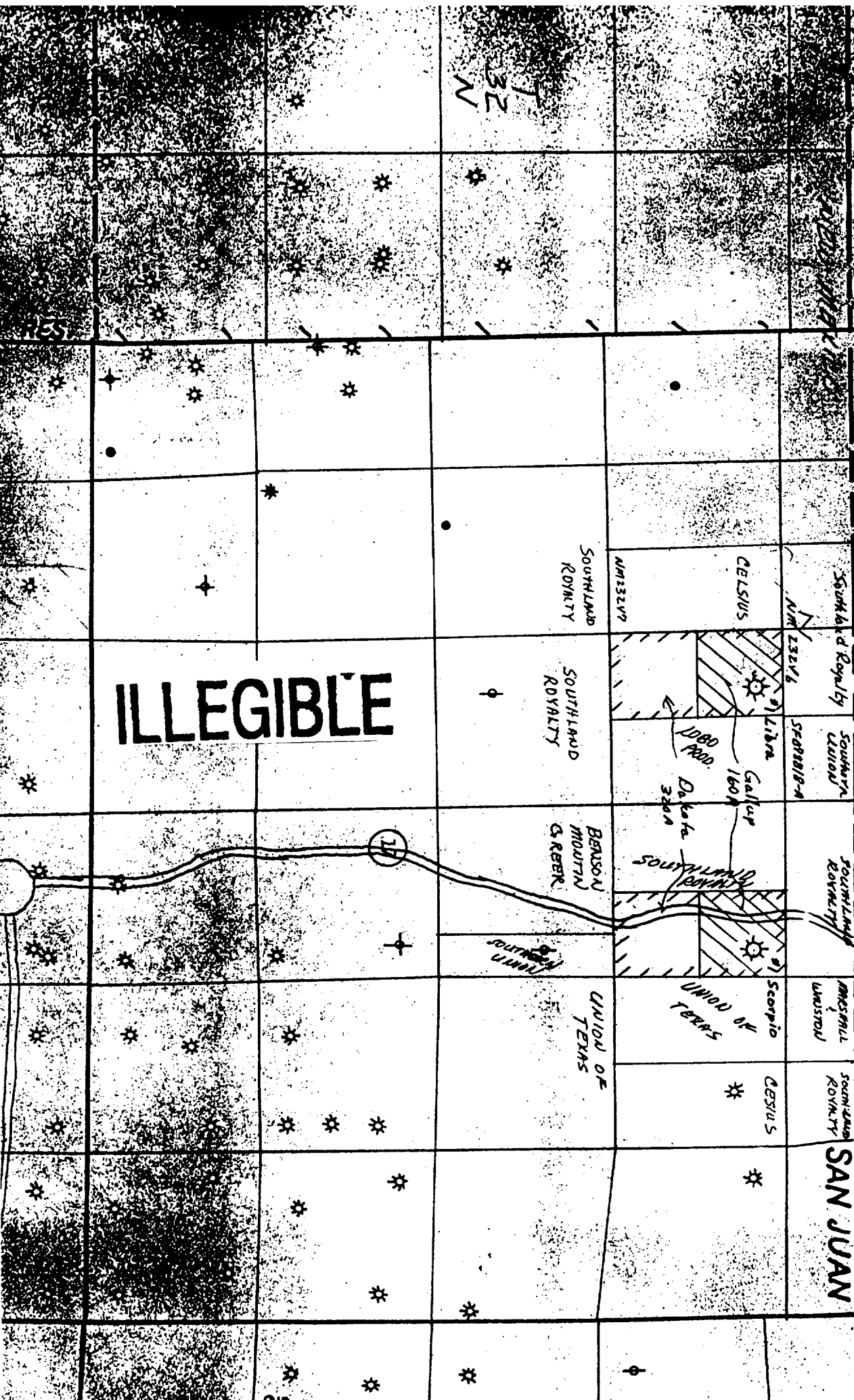
Prepared by:



R.E. Lauritsen

21

22
FIGURE



GAS-OIL RATIO TESTS

Operator		Pool		County											
LOBO PRODUCTION		Wildcat Gallup - Basin Dakota		San Juan											
Address P.O. Box 2364 Farmington, NM 87499				TYPE OF TEST - (X)											
				Scheduled <input type="checkbox"/> Completion <input checked="" type="checkbox"/> Special <input type="checkbox"/>											
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	DURATION OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT/BBL	
		U	S	T	R						WATER BBL'S	GRAV. OIL	OIL BBL'S		GAS M.C.F.
#1 Lhbra	1	C	16	32N	13W	6/29/84	F	1 1/2	-	24	-0-	n/a	-0-	288.7	n/a

RECEIVED
JUL 24 1984
CON. DIV.
DIST. 3

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Division.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

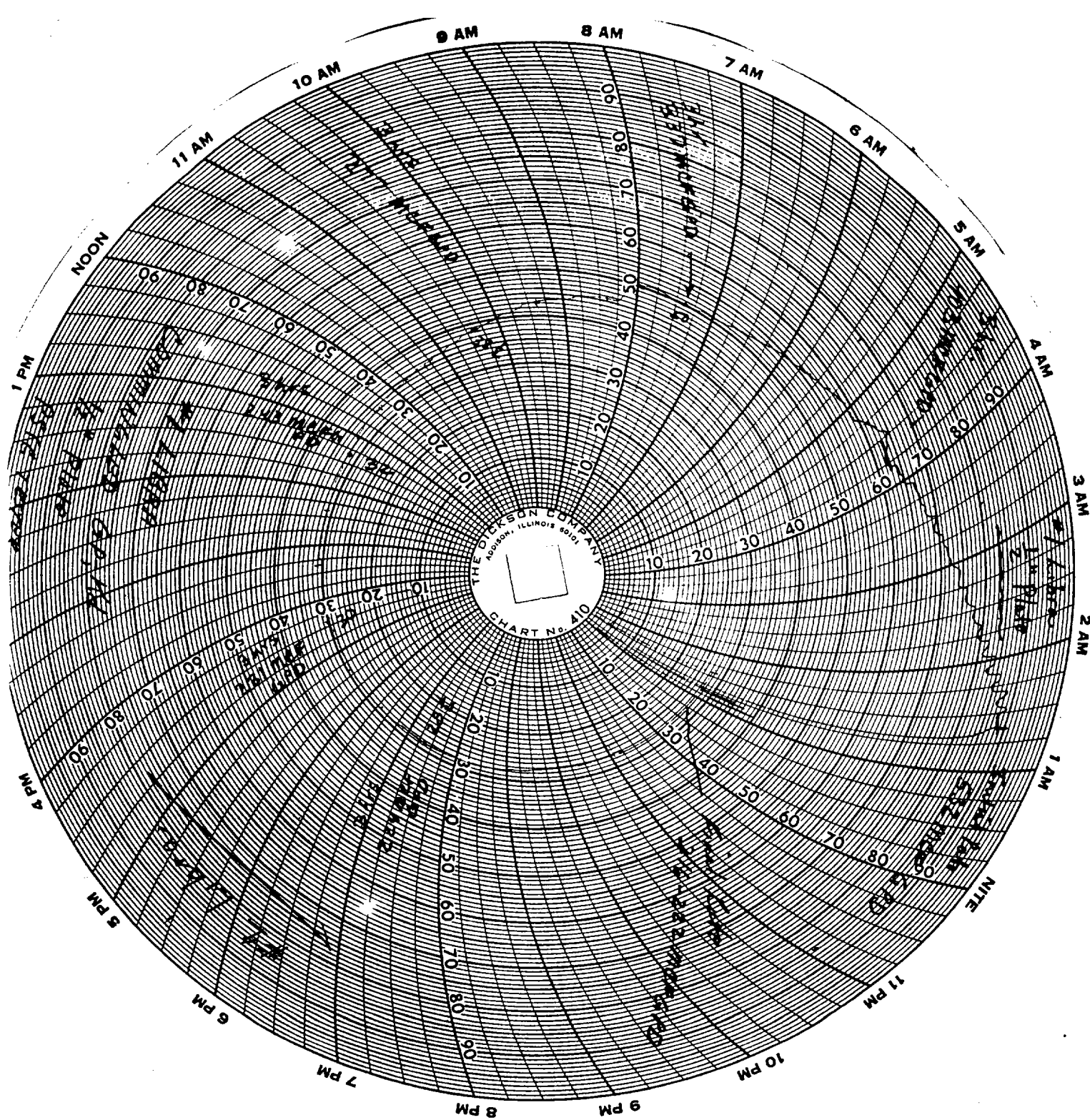
Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Division in accordance with Rule 301 and appropriate pool rules.

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

(Signature)

Partner-Operator

(Title)



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

Form C-122
 Revised 9-1-65

RECEIVED
 JUL 24 1984
 OIL CON. DIST. DIV.

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 2-21-84	
Company Lobo Production				Connection	
Pool				Formation Dakota	
Completion Date		Total Depth 3585		Plug Back TD 3552	
Elevation		Farm or Lease Name Libra			
Csg. Size 3 1/2	Wt. d	Set At 3552	Perforations: From 3444 To 3546		Well No. 1
Tbg. Size 1 1/4	Wt. d	Set At 3424	Perforations: From To		Unit Sec. Twp. Rge.
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F #		Baro. Press. - P _a State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S
Prover				Meter Run 6"x3/4"	
FLOW DATA			TUBING DATA		CASING DATA
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w
SI	8 days				
1.	2 X 3/4				
2.					
3.					
4.					
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					
2					
3					
4					
5					
Orifice well tester volume 132					
NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio
1					Mcf/bbl.
2					A.P.I. Gravity of Liquid Hydrocarbons
3					Specific Gravity Separator Gas
4					Specific Gravity Flowing Fluid
5					Critical Pressure
					P.S.I.A.
					Critical Temperature
					R
					R
P _c 585 P _c ² 342225					
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0320$
1		103	10609	331616	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0239$
2					
3					
4					
5					
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 135$					
Absolute Open Flow 135 Mcfd @ 15.025 Angle of Slope 53.13 Slope, n .75					
Remarks:					
Approved By Commission:		Conducted By: TEFTELLER, INC.		Calculated By: NEIL TEFTELLER	
Checked By:					

25

TEFTELLER, INC.
RESERVOIR ENGINEERING DATA
Midland, Texas

Well : LIBRA NO. 1

Page 1 of 3

Field : BASIN DAKOTA

File 2-15220-AOF

CHRONOLOGICAL PRESSURE AND PRODUCTION DATA

1984 Date	Status of Well	Time	Elapsed Time		Daily Rate Gas MCF/D	Wellhead Pressure	
			Hrs.	Min.		Tbg	Csg
2-21	Arrived on location, shut-in,						
"	shut-in since 2-13-84 @						
"	10:00	07:00	189	00		573	573
"	Run static gradient traverse						
"	to 600' due to obstruction						
"	Open to test thru 3/4"x6"						
"	x2" positive choke	08:45	190	45		573	573
"	Dry gas	08:45	0	00			
"	"	09:00	0	15	192	6	151
"	"	09:15	0	30	107	2	101
"	light mist to surface	09:30	0	45	120	2.5	101
"	"	09:45	1	00	143	3.5	100
"	"	10:15	1	30	143	3.5	95
"	"	10:45	2	00	143	3.5	94
"	Mist stopped	11:15	2	30	143	3.5	92
"	Dry gas	11:45	3	00	132	3.0	91
"	Shut well in	11:45					

(76)



LEFFELLER, INC.

reservoir engineering data
MIDLAND, TEXAS

Page 1 of 2

File 2-15616-P&FL

COMPANY LOBO PRODUCTION COMPANY LEASE LIBRA WELL NO. 1
FIELD BASIN COUNTY SAN JUAN STATE NEW MEXICO
FORMATION GALLUP-DAKOTA TEST DATE JUNE 20, 1984 TIME _____

FLUID LEVEL REPORT

WELL DATA

Elevation 6131 GL feet Datum _____ feet subsea Total Depth 3550 PBTD feet
3444-3546 Dakota
Perforations 2522-2924 Gallup feet Test Depth 3500 feet Packer No feet
Tubing Size 1 1/4 in. to 3430 feet Tubing Pressure _____ psig
Casing Size 3 1/2 in. to 3550 feet Casing Pressure 318 psig
Oil Level _____ feet Water Level _____ feet Average Tubing Joint 31.0 feet est.
Well Makes _____ % Oil, _____ % Water Atmospheric Temperature _____ °F
Status of Well Shut-in 8 days Operator Richard Baird Unit No. P-14

PRESSURE DATA

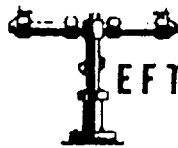
	Feet	Gradient Psig/Ft.	Psi
Casing Pressure			318
GAS			
Average Tubing Joints <u>31.0</u> ft. Joints to Fluid <u>84</u> Feet to Fluid.	2646	0.009	29
OIL			
Fluid Column Length <u>854</u> ft. % Oil _____ Oil Column Length.	854	0.325	278
WATER			
Fluid Column Length _____ Ft. % Water _____ Water Column Length.			

PRESSURE AT TEST DEPTH 3500 625

Calculated subsurface pressure at datum depth of _____ feet subsea is _____ psig
Last Test Date _____ Pressure Last Test _____ psig BHP Change _____ psi

Remarks: _____

27



JEFFELLER, INC.

reservoir engineering data

MIDLAND TEXAS

Page 2 of 3
File 2-15220-AOF

Company LOBO PRODUCTION COMPANY Lease LIBRA Well No. 1
Field BASIN DAKOTA County SAN JUAN State NEW MEXICO
Formation DAKOTA Test Date FEBRUARY 21, 1984

Status of Well

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	575	
600*	580	0.008
1000		
2000		
3000		
3200		
3400		
3495	603	0.008

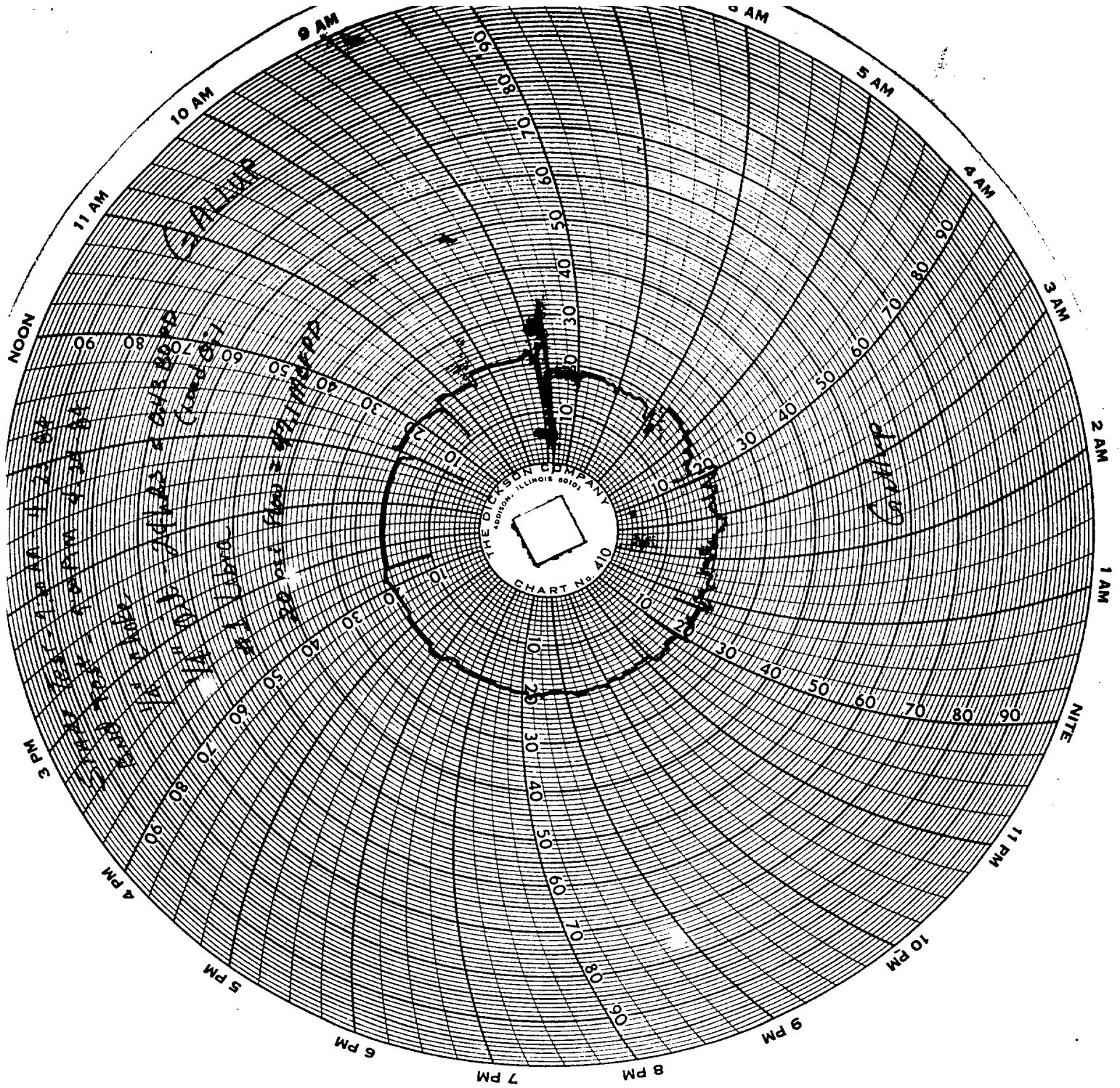
*Obstruction @ 609 feet

Datum Pressure Psig

Elev. 6134 GL Datum Fr.
Total Depth 3585PB Perf. 3444-3546 Fr.
Tubing 1 1/4 in. to 3424 Fr.
Casing 3 1/2 in. to 3552 Fr.
Casing Press. 575 Tubing Press. 575
Oil Level Water Level
Temperature 70 °F @ 600 Fr.
Element No. 31196 Range 0-3000
Last Test Date
Pressure Last Test Date Psig
B.H.P. Change Psi

DEPTH: FEET

26



Handwritten initials or signature inside an oval.

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

3a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
3. State Oil & Gas Lease No.	
LG 6557	

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO REOPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL ☐ GAS WELL ☒ OTHER-

Name of Operator

LOBO PRODUCTION

Address of Operator

P.O. Box 2364, Farmington, New Mexico 87499

Location of Well

UNIT LETTER C 810 FEET FROM THE North LINE AND 1800 FEET FROM THE West LINE, SECTION 16 TOWNSHIP 32N RANGE 13W NMPM.

7. Unit Agreement Name

8. Farm or Lease Name

LIBRA

9. Well No.

#1

10. Field and Pool, or Wildcat

Wildcat Gallup

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

6131 Gr

12. County

San Juan

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

NOTICE OF INTENTION TO:

FORM REMEDIAL WORK ☐PARTIALLY ABANDON ☐L OR ALTER CASING ☐OTHER ☐PLUG AND ABANDON ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐COMMENCE DRILLING OPNS. ☐CASING TEST AND CEMENT JOBS ☐OTHER Refrac Gallup ☐ALTERING CASING ☐PLUG AND ABANDONMENT ☐

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1703.

March 1, 1984-Fraced down 3 1/2" casing with 70 quality foam and water.
Treated with 75,000 lbs 20/40 sand, 28000 gallons water
Opened well and flowed back.

March 2 to March 6, 1984-Flowed and swabbed well to Frac tank

March 7, 1984-Ran 84 jts. 1 1/2" tubing to 2497'

March 7 to 14, 1984. Flowed well to tanks.

March 15, 1984 Cleaned out sand 2858' to 3080'.

March 19, 1984 Ran 94 jts. 2 1/16" IJ J55 3.25# tubing and landed at 3010'.

Will complete hookup and begin production
3/24/84.

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

TITLE OperatorDATE 3-15-84

Original Signed by FRANK T. CHAVEZ

TITLE SUPERVISOR DISTRICT # 1

DATE

MAR 21 1984

VED BY

DITIONS OF APPROVAL, IF ANY:

30

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

Form C-122
Revised 9-1-65

RECEIVED
MAR 29 1984
OIL CON. DIV.
DIST. 3

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 2-21-84	
Company Lobo Production				Connection	
Pool				Formation Dakota	
Completion Date		Total Depth 3585		Plug Back TD 3552	
Farm or Lease Name Libra					
Csq. Size 3 1/2	Wt. d	Set At 3552	Perforations: From 3444 To 3546		Well No. 1
Tbg. Size 1 1/4	Wt. d	Set At 3424	Perforations: From To		Unit Sec. Twp. Rge. C 14 32N 13W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F	
L		H	Gg	% CO ₂	% N ₂
				% H ₂ S	Prover
					Meter Run 6"x3/4"
					Taps

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.	Temp. °F	
SI	8 days						573		573		
1.	2 X 3/4						3		91		3 hours
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1							
2							
3							
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 585	P _c ² 342225	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0320$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0239$
NO.	P _c ²	P _w	P _w ²
1		103	10609
2			
3			
4			
5			

Absolute Open Flow 135 Mcfd @ 15.025		Angle of Slope θ 53.13	Slope, n .75
Remarks:			

Approved By Commission:	Conducted By: TEFTELLER, INC.	Calculated By: NEIL TEFTELLER	Checked By: <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;">31</div>
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TEFTELLER, INC.
RESERVOIR ENGINEERING DATA
Midland, Texas

Well : LIBRA NO. 1

Page 1 of 3

Field : BASIN DAKOTA

File 2-15220-AOF

CHRONOLOGICAL PRESSURE AND PRODUCTION DATA

1984 Date	Status of Well	Time	Elapsed Time		Daily Rate Gas MCF/D	Wellhead Pressure	
			Hrs.	Min.		Tbg	Csg
2-21	Arrived on location, shut-in,						
"	shut-in since 2-13-84 @						
"	10:00	07:00	189	00		573	573
"	Run static gradient traverse						
"	to 600' due to obstruction						
"	Open to test thru 3/4"x6"						
"	x2" positive choke	08:45	190	45		573	573
"	Dry gas	08:45	0	00			
"	"	09:00	0	15	192	6	151
"	"	09:15	0	30	107	2	101
"	light mist to surface	09:30	0	45	120	2.5	101
"	"	09:45	1	00	143	3.5	100
"	"	10:15	1	30	143	3.5	95
"	"	10:45	2	00	143	3.5	94
"	Mist stopped	11:15	2	30	143	3.5	92
"	Dry gas	11:45	3	00	132	3.0	91
"	Shut well in	11:45					

RECEIVED
MAR 09 1984
OIL CON. DIV.
DIST. 3

32



TEFTELLER, INC.

reservoir engineering data

MEMPHIS, TENN.

Page 2 of 3

File 2-15220-AOF

Company LOBO PRODUCTION COMPANY Lease LIBRA Well No. 1
Field BASIN DAKOTA County SAN JUAN State NEW MEXICO
Formation DAKOTA Test Date FEBRUARY 21, 1984

Status of Well

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	575	
600*	580	0.008
1000		
2000		
3000		
3200		
3400		
3495	603	0.008

*Obstruction @ 609 feet

Datum Pressure Psig

RECEIVED
FEB 27 1984
OIL COMPANY
DIST. 3

PRESSURE POUNDS PER SQUARE INCH GAUGE

Elev. 6134 GL Datum Ft.
Total Depth 3585PB Perf. 3444-3546 Ft.
Tubing 1 1/4 in. to 3424 Ft.
Casing 3 1/2 in. to 3552 Ft.
Casing Press. 575 Tubing Press. 575
Oil Level Water Level
Temperature 70 °F 600 Ft.
Element No. 31196 Range 0-3000
Last Test Date
Pressure Last Test Date Psig
B.H.P. Change Psi

0 500 1000 1500 2000 2500 3000 3500
DEPTH, FEET

33

OIL CONSERVATION DIVISION
P. O. BOX 2068
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

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U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
LG 6557	

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO REOPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	OTHER- _____
Name of Operator		
Lobo Production		
Address of Operator		
PO Box 2364 Farmington, NM 87499		
Location of Well		
UNIT LETTER	C	810 FEET FROM THE North LINE AND 1800 FEET FROM
THE	West	LINE, SECTION 16 TOWNSHIP 32N RANGE 13W

7. Unit Agreement Name
8. Farm or Lease Name
Libra
9. Well No.
#1
10. Field and Pool, or Wildcat
Wildcat Gallup
12. County
San Juan

15. Elevation (Show whether DF, RT, GR, etc.)
6131 Gr.

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
FORM REMEDIAL WORK <input type="checkbox"/>	PLUS AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
FORMERLY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPER. <input type="checkbox"/>	PLUS AND ABANDONMENT <input type="checkbox"/>
ON ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER <input type="checkbox"/>

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1703.

- 2-22-84 Set Baker Bridge plug 3110' Gr. Pressure tested 2500# psi.
Spotted 250 Gals 10% Acedic Acid at 2900'
Perforated Gallup at (see Attachment).
- 2-23-84 Moved Equipment on location to prepare to frac Gallup.
- 2-24-84 Acidized Gallup formation 750 gals. 10% Acedic Acid, Fracced down 3½" casing with 240 bls. oil in 14,000# 10/20 sand and 70 quality foam.
- 2-25-84 Layed flow lines to tank, Flowed well to production tanks to clean up well.
- 2-26-84 Well dead
- 2-27-84 Shut in well to prepare to refrac the Gallup.

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DIST. 3

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

Frank T. Chavez TITLE Operator DATE 3-6-84

COPIES BY Original Signed by FRANK T. CHAVEZ TITLE SUPERVISOR DISTRICT # 3 DATE MAR 09 1984

NOTATIONS OF APPROVAL, IF ANY:

(34)

Lehman
#1

Gallup Perforations:

- 2522
- 2524
- 2562
- 2566
- 2588
- 2593
- 2610
- 2631
- 2695
- 2710
- 2717
- 2730
- 2740
- 2745
- 2747
- 2750
- 2754
- 2760
- 2770
- 2780
- 2782
- 2784
- 2787
- 2790
- 2791
- 2793
- 2796
- 2821
- 2832
- 2850
- 2860
- 2870
- 2890
- 2898
- 2905
- 2924

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5A. Indicate Type of Lease
STATE ☒ FEDERAL ☐
5. State Oil & Gas Lease No.
LG 6557

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Unit Agreement Name
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Name of Lease Name Libra
2. Name of Operator Lobo Production		9. Well No. #1
3. Address of Operator PO Box 2364 Farmington, NM 87499		10. Field and Pool, or Wildcat Basin Dakota
4. Location of Well UNIT LETTER C LOCATED 810 FEET FROM THE North LINE AND 1800 FEET FROM THE West LINE OF SEC. 16 TWP. 32N R. 13W N7W2		12. County San Juan
13. Proposed Depth 3585'		19A. Formation Dakota
21. Elevations (Show whether DI, KI, etc.) 6131 Gr.		21B. Drilling Contractor Ludwick Drilling
21A. Kind & Status Plug. Bond		22. Approx. Date Work will start Dec. 8, 1983

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4	8 5/8	24#	120'	90 sks	MV
6 3/4	5 1/2	17#	1667'	180 ske	Mancos
4 3/4	3 1/2	9.2#	3585	80 sks.	Dakota

Request to

~~deepen~~ deepened to Dakota as did not have good hydrocarbon shows in the Gallup.

Anticipate request for comingling after testing both Gallup and Dakota zones.

Interest owners are the same for both zones

Process as an intent (C-103) affecting a change from those previously approved on original C-101

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DIST. 3

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 Frank T. Chavez Title Operator Date 2/28/84

(This space for State Use)

APPROVED BY Original Signed by FRANK T. CHAVEZ TITLE SUPERVISOR DISTRICT # 3 DATE FEB 28 1984

CONDITIONS OF APPROVAL, IF ANY:

36

LOBO PRODUCTION			LIBRA		11
Section	Township	Range	County		
16	32 NORTH	13 WEST	SAN JUAN		

Actual Postage Location of Well:

810	feet from the	NORTH	line and	1800	feet from the	WEST	line
and Level Elev.	Producing Formation		Pool	Dedicated Acreage:			
6131	Dakota		Basin Dakota	W/ 320		Acre	

Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

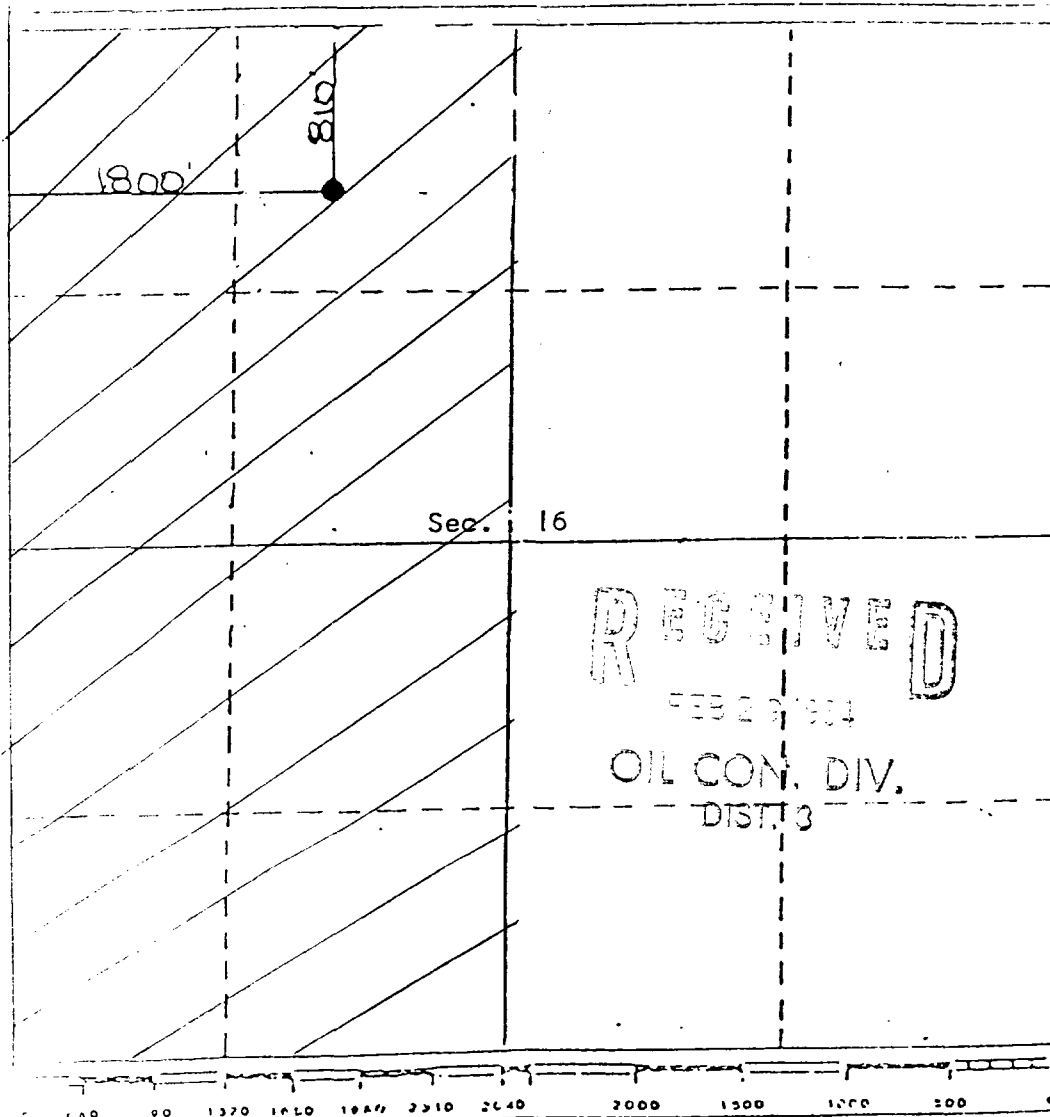
If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty):

If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, 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 Division.



CERTIFICATION

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

A. C. Santore

Name

Operator

Position

LOBO PRODUCTION

Company

12-2-83

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.

16, November, 1983

Robert C. Stocking
 Registered Professional Engineer
 and/or Land Surveyor
 CURTIS C. STOCKING

Certificate No.
5980

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-7

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LAND OFFICE	
OPERATOR	

3a. Indicate Type of Lease	State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
3. State Oil & Gas Lease No.	NA

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO REDEVELOP OR PLUG BACK TO A DIFFERENT PROPOSAL. USE APPLICATION FOR PERMIT - FORM C-101 FOR SUCH PROPOSALS.)

OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
Name of Operator	8. Form or Lease Name
LOBO PRODUCTION	TERRA
Address of Operator	9. Well No.
P.O. Box 2364, Farmington, New Mexico 87499	10. Field and Pool, or Wildcat
Location of Well	Wildcat
UNIT LETTER C 810 FEET FROM THE North LINE AND 1800 FEET FROM	
West 16 32N 130	
THE LINE, SECTION TOWNSHIP RANGE	
11. Elevation (Show whether DF, RT, CR, etc.)	12. County
6131' Gr	San Juan

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

DRILL <input checked="" type="checkbox"/>	REPAIR AND REPAIR <input type="checkbox"/>	REPAIR AND REPAIR <input checked="" type="checkbox"/>
DRILL <input checked="" type="checkbox"/>	REPAIR AND REPAIR <input type="checkbox"/>	REPAIR AND REPAIR <input type="checkbox"/>
DRILL <input type="checkbox"/>	REPAIR AND REPAIR <input type="checkbox"/>	REPAIR AND REPAIR <input type="checkbox"/>
DRILL <input type="checkbox"/>	REPAIR AND REPAIR <input type="checkbox"/>	REPAIR AND REPAIR <input type="checkbox"/>

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1703.

Spud Date December 21, 1983. Drilled 6 3/4" hole to 1670'

Changed Casing program to 8 5/8", 24' to 122', 5 1/2", 17' to 1667', 3 1/2", 10.5' to TD.

Surface Cement: 90 sks (106.20 cu.ft.)

Jan. 5--Ran 38 jts. 5 1/2" 17' N80, (1667') and set at 1666'. Cemented with 180 sks. (212.40 cu.ft.) CLS B Neat. Circulated 2 bbls to surface. Plug down at 2:00 p.m. WOC 18 hours.

Need to report - pressure test of all casing. *Ch*

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JAN 13 1984

OIL CON. DIV.
DIST. 3

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

R. E. Chantres TITLE Operator DATE 1-12-84

Original Signed by FRANK T. CHAVEZ

BY _____ TITLE SUPERVISOR DISTRICT #2 DATE _____

NOTATIONS OF APPROVAL, IF ANY:

Ch

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-77

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OPERATOR	

3a. Indicate Type of Lease

State ☒Fee ☐

3. State Oil & Gas Lease No.

NA

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.OIL
WELL ☒GAS
WELL ☐OTHER ☐

Name of Operator

Lobo Production

Address of Operator

PO Box 2364 Farmington, NM 87499

Location of Well

 UNIT LETTER C 810 FEET FROM THE North LINE AND 1800 FEET FROM
 THE West LINE, SECTION 16 TOWNSHIP 32N RANGE 13W NMPN.

7. Unit Agreement Name

8. Farm or Lease Name

Libra

9. Well No.

1

10. Field and Pool, or Wildcat

Wildcat Valley

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

6131 Gr.

12. County

San Juan

 Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
 NOTICE OF INTENTION TO:
FIRM REMEDIAL WORK ☐PLUG AND ABANDON ☐REMEDIAL WORK ☐ALTERING CASING ☐PROBABLY ABANDON ☐COMMENCE DRILLING OPER. ☐PLUG AND ABANDONMENT ☐L OR ALTER CASING ☐CHANGE PLANS ☐CASING TEST AND CEMENT JOB ☒OTHER ☐

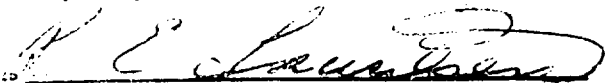
Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

120-84 Ran 115 Joints of 3½" casing 9.3# set at 3568', Ran 60 jts. 9.2# NUE,
 Ran 55 Jts. 55# EUE.
 Guide shoe set at 3568' with baffel at 3552'.
 Pumped 5 bls. water ahead of cement followed by 5 bls. of CaCl₂ H₂O.
 Pumped 5 bls. of H₂O spacer and 11 bls. of Flow chek and pumped 80 sks.
 (94.40 cuft.) Cls²B cement with ¼# Flow cele per sk.

Pumped 2½ bls. with 500 psi, good circulation throughout.
 Displaced cement with 100 gal. of 7½% Acedic acid and 29 bls. of
 1% KCL H₂O.
 Pressure²tested plug with 2000 PSI, Flow held OK.

RECEIVED
 FEB 24 1984
 OIL CON. DIV.
 DIST. 3

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



TITLE Operator

DATE 2-22-84

COPIES BY Original Signed by FRANK J. CHAVEZ

TITLE SUPERVISOR DISTRICT # 3

DATE FEB 24 1984

CONDITIONS OF APPROVAL, IF ANY:

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

Form C-103
Revised 10-1-78

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LAND OFFICE	
OPERATOR	

3a. Indicate Type of Lease
State ☒ Fee ☐
3. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO REOPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT -" FORM C-101 FOR SUCH PROPOSALS.

OIL WELL ☒ GAS WELL ☐ OTHER ☐

Name of Operator

Lobo Production

Address of Operator

Po Box 2364 Farmington, NM 87499

Location of Well

UNIT LETTER C 810 FEET FROM THE North LINE AND 1800 FEET FROM
THE West LINE, SECTION 16 TOWNSHIP 32N RANGE 13W NMPM.

7. Unit Agreement Name

8. Form or Lease Name
Libra

9. Well No.

1

10. Field and Pool, or Wildcat
Base Wildcat *Halley*

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

6131 Gr.

12. County
San Juan

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

FORM REMEDIAL WORK ☐
PERMANENTLY ABANDON ☐
OR ALTER CASING ☐

PLUG AND ABANDON ☐
CHANGE PLANS ☐

REMEDIAL WORK ☐
COMMENCE DRILLING OPER. ☐
CASING TEST AND CEMENT JOB ☒
OTHER ☐

ALTERING CASING ☐
PLUG AND ABANDONMENT ☐

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1703.

Jan 23, 1984: Ran 1 1/2" tubing in hole
" 24 Drilled out, cleaned to plug back TD 3550'
" 25. Pressure tested casing, would not hold at 2000 psi.
" 26, 1984 Ran Bridge plug and set at 3550'
Pressure tested 2000 psi, held OK
Perforated the *Dakota* at: 3444, 3458, 3462, 3464, 3470, 3480,
3490, 3502, 3504, 3516, 3525, 3532, 3546.
" 27, 1984 Acidized with 250 gal 15% HCL.
Fraced with 41,600# 10/20 sand and 70 quality foam.
" 30, 1984 Flowed well, and cleaned up sand with Nitrogen and water.
Feb. 12: Shut well in for AOF test.
Feb 21: Ran AOF.

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

TITLE Operator

DATE 2-22-84

Original Signed by FRANK T. CHAVEZ

TITLE SUPERVISOR DISTRICT # 3

DATE FEB 24 1984

CONDITIONS OF APPROVAL, IF ANY:

41

OIL CONSERVATION DIVISION

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SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. LG 6557	

TYPE OF WELL

OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐

TYPE OF COMPLETION

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

7. Unit Agreement Name
8. Farm or Lease Name Libra

Name of Operator
Lobo production

Address of Operator
PO Box 2364 Farmington, NM 87499

Location of Well

9. Well No. #1
10. Field and Pool, or Wildcat Basin Dakota

LETTER C LOCATED 810 FEET FROM THE North LINE AND 1800 FEET FROM

West LINE OF SEC. 16 TWP. 32N RGE. 13W NMPM

12. County San Juan

Date Spudded 12-21-83	16. Date T.D. Reached 1-19-84	17. Date Compl. (Ready to Prod.) 1-27-84	18. Elevations (DF, RKB, RT, GR, etc.) 6131 Gr.	19. Elev. Casinghead 6134' K
Total Depth 3585'	21. Plug Back T.D. 3550'	22. If Multiple Compl., How Many	23. Intervals Drilled By Rotary Tools 0-TD	Cable Tools

Producing interval(s), of this completion - Top, Bottom, Name
3444' to 3546' Dakota

25. Was Directional Survey Made
yes

Type Electric and Other Logs Run
Induction Electric/Gamma Ray/ Spontaneous Potential/ Neutron and Density

27. Was Well Cored

CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PILLED
8 5/8	24#	120'	12 1/4	90 sks(106.20 cuft) MV	
	17#	1666'	6 3/4	180 ske(212.0 cuft.) C1 B Neat	
3 1/2	9.2#	3568'	4 3/4	80 sks(94.4 cuft.) C1s B	

LINER RECORD					30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					1 1/2"	3420'	

Perforation Record (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
		DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
3444/3546, 0.38" 13 shots		3444 to 3546	250 gal. 15% HCL
			41,6000# 10/20 sand in 70 q.
			foam (15,509 gal H2O and
			630,000 Cuft. Nitrogen

PRODUCTION							
First Production 1-30-84		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Shut in	
of Test 21-84	Hours Tested 3	Choke Size 3/4"	Prod'n. For Test Period →	Oil - Bbl. 0	Gas - MCF 211 MCF	Water - Bbl. 1	Gas - Oil Ratio
Tubing Press. 3.5#	Casing Pressure 100#	Calculated 24-Hour Rate →	Oil - Bbl. 0	Gas - MCF 211 MCF	Water - Bbl. 1	Oil Gravity - API (Corr.)	

Disposition of Gas (Sold, used for fuel, vented, etc.)
vented during test now shut in

Test Witnessed By
N, Tefteller

List of Attachments
Directional survey

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 [Signature] TITLE Operator DATED 2-8-84

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LAND OFFICE	
OPERATOR	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

a. Type of Work

b. Type of Well
DRILL ☒ DEEPEN ☐ PLUG BACK ☐
OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

c. Name of Operator

LOBO PRODUCTION

d. Address of Operator

P.O. Box 2364, Farmington, New Mexico 87499

e. Location of Well

UNIT LETTER G LOCATED 810 FEET FROM THE North LINE
1800 FEET FROM THE West LINE OF SEC. 16 TWP. 32N RGE. 13W NMPM

5A. Indicate Type of Lease

STATE ☒ FEE ☐

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Name of Lease Name

LIBRA

9. Well No.

#1

10. Field and Pool, or Wildcat

Wildcat Gulch

12. County

San Juan

13. Proposed Depth	19A. Formation	20. Rotary or C.T.
3100'	Gallup	Rotary
14. Elevations (Show whether D.T., K.T., etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor
6131 Gr		Ludwig Drilling
		Dec. 8, 1983

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4	9 5/8	24#	100'	100	Circulate
8 3/4	7"	30#	1400'	300	Circulate
6 3/4"	4 1/2	10.5 #	3100'	250	1300'

Operator plans to drill 1400' mud hole and set 7" casing and cement to surface. Air drill 6 3/4 hole to T.D. Run logs and evaluate Gallup formation. If productive 4 1/2" liner will be run and cemented in place. Will stimulate as required for economical production.

FORMATION

ESTIMATED TOPS DEPTH

CONTENT

Cliff House
Point Lookout
Gallup

100'

1590'

2369'

Sand Water
Sand Gas & Water
Sand & Shale OilAPPROVAL EXPIRES June 9, 1984
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED
WITHIN 180 DAYS.

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

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

Signed [Signature] Title Operator Date 12-2-83

(This space for State Use)

APPROVED BY

TITLE SUPERVISOR DISTRICT # 1DATE DEC 2 - 1983

CONDITIONS OF APPROVAL, IF ANY:

Tract LOBO PRODUCTION			Lease LIBRA		Well No. 1
Letter C	Section 16	Township 32 NORTH	Range 13 WEST	County SAN JUAN	

Actual Postage Location of Well:

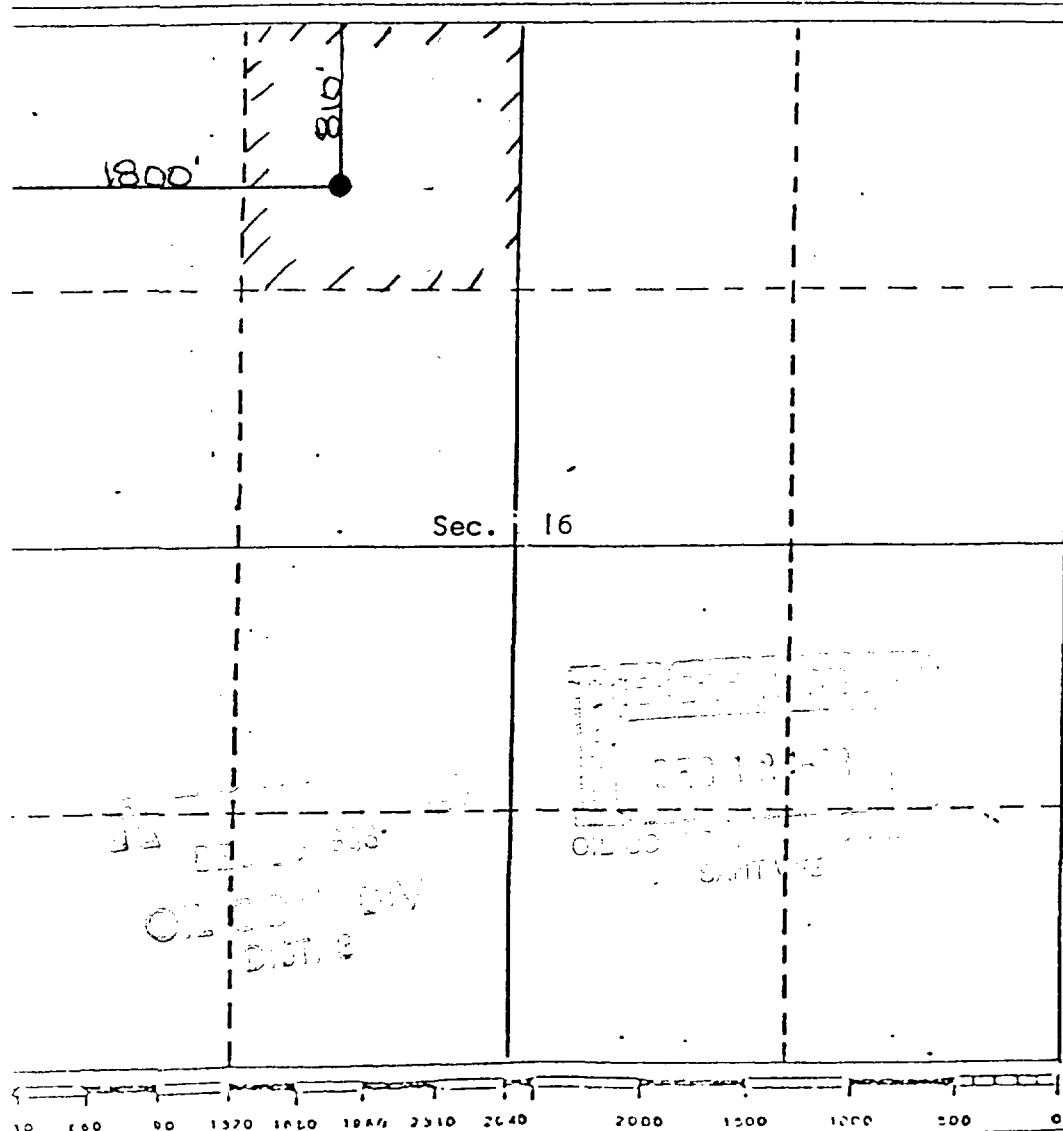
810 feet from the NORTH line and	1800 feet from the WEST line
and Level Elev. 6131	Producing Formation Gallup
	Pool Wildcat
	Dedicated Acreage: 40

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



CERTIFICATION

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

Name

Operator

Position

LOBO PRODUCTION

Company

12-2-83

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.

16, November, 1983

Date Certified

Registered Professional Engineer and/or Land Surveyor

CURTIS C. STOCKING

Certificate No. 5980