

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42 R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

Contract #362

6. INDIAN, ALLOTTEE OR TRIBE NAME

Chicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Martin-Flourance

9. WELL NO.

#11

10. FIELD AND POOL OR WILD-CAT

S. Lindrith Gallup-Dakota

11. SECTION, T. R. M., OR BLOCK AND SURVEY OR AREA

NE 3/4 Sec. 5

T23N R4W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

18. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other

8. TYPE OF COMPLETION:

NEW WELL  WORK OVER  DEEP EN  PLUG BACK  REFR. RESRV.  Other

2. NAME OF OPERATOR

W. P. Martin & Associates, Inc.

3. ADDRESS OF OPERATOR

110 North Sullivan, Farmington, New Mexico 87401

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

At surface 1980' FSL and 1980' FWL

At top prod. interval reported below

At total depth

RECEIVED  
AUG 22 1983  
BUREAU OF LAND MANAGEMENT  
FARMINGTON RESOURCE AREA

14. PERMIT NO. ISSUED

03/24/83

15. DATE INITIATED

07/18/83

16. DATE TO BE REACHED

04/30/83

17. DATE COMPL. (Ready to prod.)

07/07/83

18. ELEVATIONS (DT, RB, RT, GR, ETC.)\*

Gr. 6971'

19. FLEV. CASINGHEAD

6971'

20. TOTAL DEPTH, MD & TVD

7150'

21. PLUG BACK T.D., MD & TVD

7150'

22. IF MULTIPLE COMPL., HOW MANY\*

1

23. INTERVALS DRILLED BY

→

ROTARY TOOLS

Yes

CABLE TOOLS

No

24. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

Gallup-Dakota

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

Cement Bond Log w/Gamma Ray, Temperature Survey,

27. WAS WELL CORED

No

Log Inductance/Linear Corr., Computer Long Spacing Sonic-Well, Comp. Neutron Lithodensity

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT CEMENT
8 1/8"	24#	321'	12 1/4"	295' Class B 2% CaCl <sub>2</sub>	None
7 1/2"	17#	7186'	7 7/8"	1 Stage 1100 sx 483' 65/35 Poz 2 Stage 300 sx 483' 65/35 Poz 100 sc 118' Class L	"

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"	7040	No

31. PERFORATION RECORD (Interval, size and number)

See Attachment for details

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
See Attachment for details	

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping size and type of pump)	WELL STATUS (Producing or shut-in)				
07/07/83	Pumping 2 1/2" x 1 1/2" x 16' BHPD	Producing				
DATE OF TEST	HOURS TESTED	CHOKED RATE	PROD. FOR TEST PERIOD	WATER-BBL.	GAS-OIL RATIO	
08/01/83	24	4	41	40	3	975-1
FLOW, SP. GR. PRESS.	CASING PRESSURE	CALCULATED 24 HOUR RATE	WATER-BBL.	GAS-OIL RATIO	OIL GRAVITY-API (CORR.)	
110	110	41	40	3	43	

34. DISPOSITION OF GAS (Nell, used for fuel, vented, etc)

Contract with Northwest Pipeline, Pending Hookup

TEST WITNESSED BY

David Green

35. LIST OF ATTACHMENTS

Flow Inductance Survey, Attachment for Items #11 and #32

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

ACCEPTED FOR RECORD

SIGNED

TITLE Operator Representative

DATE AUG 25 1983

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

NMOCC

FARMINGTON RESOURCE AREA  
FARMINGTON, NEW MEXICO

BY

Smm

# INSTRUCTIONS

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

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

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

Item 19: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, tested, bottom(s) and casing(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	TOP
					MEAS. DEPTH
					TRUE VERT. DEPTH
				33. <u>330 A/232</u>	
				Fruitland	2145'
				Pictured Cliffs	2535'
				Lewis Shale	2622'
				Chacra	2665'
				Chittinhouse	3453'
				Mencifee	4153'
				Point Lookout	4235'
				Mances	4700'
				Gallup	4900'
				Tecito	5818'
				Zuma Lopez	6422'
				Semilla	6560'
				Greenhorn	6515'
				Graneros	6820'
				Lakota	6850'
				Morrison	6940'
					7130'

**RECEIVED**  
 AUG 26 1983  
 CONTROL DIV.



# W. B. MARTIN & ASSOCIATES, INC.

2110 N. Sullivan, Farmington, New Mexico 87401

Phone: (505) 326-1631, 326-1731

08/18/83

Explanation for Items #31 and #32 of Form 9-330  
#11 Martin-Florance Section 5 T23N R4W

## Item #31 Perforation Record

5488-5610' Total 22 .41" Dia. Holes  
5868-6047' Total 45 .41" Dia. Holes  
6495-6627' Total 34 .41" Dia. Holes  
6642-6765' Total 44 .41" Dia. Holes  
6823-6866' Total 32 .41" Dia. Holes  
6943-6981' Total 39 .41" Dia. Holes

## Item #32 Acid Shot, Fracture, Cement Squeeze, Etc.

Depth Interval	Amount of Material Used
5488-5610'	80,000 Gal 70 Quality Foam 105,000# 20/40 sand
5868-6047'	34,272 Gal Slick 2% KCL water and 329,000 SCF/N <sub>2</sub> and 8,550# 20/40 sand
5910-6047' Refrac	60,000 Gal 40-30# X-Link Gel and 100,000# 20/40 sand
6495-6627'	20,370 Gal 40# X-Link Gel and 7000# 20/40 sand
6495-6627' Refrac	9,300 Gal 2% KCL prepad and 25,500 Gal 40# X-Link Gel and 12,000# 20/40 sand
6642-6765'	29,652 Gallons 40# X-Link Gel and 2,400# 20/40 sand
6823-6866'	5,000 Gal 15% HCL and 16,232 Gal 40# X-Link gel and 11,500# 20/40 sand
6943-6981'	31,000 Gal 40# X-Link and 40,000# 20/40 sand
6943-6981' Refrac	40,000 Gal 2% Slick Water and 29,000# 20/40 sand

RECORDED  
INDEXED  
OIL COMPANY  
1983



# W. B. MARTIN & ASSOCIATES, INC.

2110 N. Sullivan, Farmington, New Mexico 87401

Phone: (505) 326-1631, 326-1731

## HOLE DEVIATION SURVEY

Operator: W. B. Martin & Associates

Well Name: #11 Martin-Florance

Well Location: 1980' FSL and 1980' FWL  
Unit K Section 5 Township 23 N Range 4 W  
Rio Arriba County, New Mexico

Gentlemen:

Four Corners Drilling Co. ran the following deviation surveys during the drilling of the subject well and obtained the following results.

<u>FROM</u>	<u>TO</u>	<u>DEVIATION</u>
0'	158'	7/8°
158'	325'	1/4°
325'	878'	1/4°
878'	1340'	1/2°
1340'	1816'	3/4°
1816'	2409'	1°
2409'	2605'	1°
2605'	3102'	1°
3102'	3218'	3/4°
3218'	3697'	3/4°
3697'	4260'	3/4°
4260'	4650'	1/2°
4650'	5118'	3/4°
5118'	5618'	3/4°
5618'	6121'	1/2°
6121'	6631'	2°
6631'	6715'	2 1/2°
6715'	6775'	1 1/4°
6775'	6873'	2°
6873'	7001'	2 1/4°
7001'	7024'	1 3/4°
7024'	7200'	2°

W. B. M.  
D.V.  
3

Andrew A. Bates  
Andrew A. Bates P.E.  
Operator Representative

Subscribed & Sworn to me this 18th day of August, 1983.

May 16, 1985  
My Commission Expires

[Signature]  
Notary Public

San Juan County, New Mexico