STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

Form C-105
Revised 10-1-78

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OIL CONSERVATION DIVISION

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease: State ☐ Fee ☒
5. State Oil & Gas Lease No.:

RECEIVED
JUN 23 1986
OIL CON. DIV.
DIST. 3

1a. TYPE OF WELL
b. TYPE OF COMPLETION
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

7. Unit Agreement Name:
8. Farm or Lease Name: Marauder
9. Well No.: #1
10. Field and Pool, or Wildcat: Gavilan Mancos

2. Name of Operator: Mesa Grande Resources, Inc.
3. Address of Operator: 1200 Philtower Building, Tulsa, OK 74103
4. Location of Well: UNIT LETTER N LOCATED 1840 FEET FROM THE West LINE AND 805 FEET FROM THE South LINE OF SEC. 8 TWP. 25N RGE. 2W NMPM
12. County: Rio Arriba

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
12/06/85	12/28/85	6/13/86	7278 GR	7278 GR

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
8282'	8170'	na	→	surf--TD	

24. Producing Interval(s), of this completion — Top, Bottom, Name
Sanostee - 7542' - 7664'
Gallup - 6943' - 7410'

25. Was Directional Survey Made: yes

26. Type Electric and Other Logs Run
IEL, GR, SD-DSN, Dip Frac. Profile

27. Was Well Cored: NO

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36# K-55	491'	12¼"	313 ft³ Class D w/ 2% S-1	-0-
5½"	17# J-55	8144'	8 5/8"	- see attachment -	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 7/8"	7761'	

31. Perforation Record (Interval, size and number)
Sanostee - 7542'-7664': 40 holes, .38"
Gallup - 6943'-7410': 98 holes, .38"

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	- see attachment -

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
6/13/86	Pump SMI 320-256-120	producing

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
6/15/86	24	AOF		82	92	15	1122:1

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
	30#		82	92	15	41.5

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
vented, fuel

Test Witnessed By: C. Phillips

35. List of Attachments
#28, #31, #32

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 Gregory R Phillips TITLE Vice President DATE June 17, 1986

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico				Northwestern New Mexico			
T. Anhy		T. Canyon		T. Ojo Alamo	3437'	T. Penn. "B"	
T. Salt		T. Strawn		T. Kirtland-Fruitland	3510'	T. Penn. "C"	
B. Salt		T. Atoka		T. Pictured Cliffs	3694'	T. Penn. "D"	
T. Yates		T. Miss		T. Cliff House	5393'	T. Leadville	
T. 7 Rivers		T. Devonian		T. Menefee	5498'	T. Madison	
T. Queen		T. Silurian		T. Point Lookout	5838'	T. Elbert	
T. Grayburg		T. Montoya		T. Mancos	6123'	T. McCracken	
T. San Andres		T. Simpson		T. Gallup	7052'	T. Ignacio Qtzte	
T. Glorieta		T. McKee		Base Greenhorn	7930'	T. Granite	
T. Paddock		T. Ellenburger		T. Dakota	8032'	T.	
T. Blinebry		T. Gr. Wash		T. Morrison		T.	
T. Tubb		T. Granite		T. Todilto		T.	
T. Drinkard		T. Delaware Sand		T. Entrada		T.	
T. Abo		T. Bone Springs		T. Wingate		T.	
T. Wolfcamp		T.		T. Chinle		T.	
T. Penn.		T.		T. Permian		T.	
T Cisco (Bough C)		T.		T. Penn. "A"		T.	

OIL OR GAS SANDS OR ZONES

No. 1, from 3694' to 3800'

No. 2, from 5838' to 6100'

No. 3, from 7052' to 7500'

No. 4, from 7561' to 7673'

No. 5, from 8032' to 8160'

No. 6, from ____ to ____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from ____ to ____ feet. ____

No. 2, from ____ to ____ feet. ____

No. 3, from ____ to ____ feet. ____

No. 4, from ____ to ____ feet. ____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation

Attachment to Form C-105
Well Completion Report for
the MARAUDER #1, Sec. 8-25N-2W
Rio Arriba County, N.M.

#28. Casing Record/Cementing Record

Three Stage Cementing as follows:
1st Stage: 50 sx LW-3 w/ 10% salt and ¼# Flocele/sx (94.5 ft^3) Tailed in w/ 360 sx 10-0 RFC w/ ¼# Flocele/sx (576 ft^3).
2nd Stage: DV tool @ 6203'. 50 sx LW-3 w/ 10% salt and ¼# Flocele per sx. (94.5 ft^3) Tailed in w/ 525 sx 10-0 RFC w/ ¼# Flocele/sx (840 ft^3).
3rd Stage: DV tool @ 3701'. 290 sx LW-3 w/ 10% salt and ¼# Flocele/sx (454 ft^3) Tailed in w/ 23 sx 10-0 RFC w/ ¼# Flocele/sx (37 ft^3).

#31. Perforation Record

Sanostee Perfs: (2 JSPF)
7542', 52, 62, 66, 72, 74, 80, 85, 86, 92, 94, 98,
7600', 08, 18, 25, 38, 46, 58, 64 (20 shot points, 40 holes)

Gallup Perfs: (2 JSPF)
6943', 72,
7005', 20, 35, 42, 55, 68, 72, 84, 89, 92, 97,
7102', 11, 20, 26, 30, 34, 35, 38, 42, 47, 50, 56, 60, 71, 80, 94,
7204', 10, 20, 26, 38, 53, 66, 70, 78, 85, 88,
7302', 10, 20, 26, 36, 50, 70, 88,
7410' (49 shot points, 98 holes)

#32. Acid, Shot, Fracture, Cement Squeeze, etc.

Sanostee:
1) 500 gal xylene, 50,000 scf N_2 pad, 14 bbls 15% DAD acid energized w/ 1000 scf N_2/bbl.
2) 100,000 scf N_2 pad, 50 bbls 15% DAD acid in 70 Qual. foam w/ 80 ball sealers. Displace w/ 50,000 scf N_2. AIR 7 BPM, ATP 4000 psi. ATM 4470 psi. ATF 4100 psi.

Gallup:
1) 5000 gal 15% DAD acid down csg w/ 200 7/8" ball sealers. Balled off to 4000 psi. Breakdown @ 15 BPM. Displ'd acid @ 21 BPM.
2) 1272 bbls. 2% KCl, 1.88 MMscf N_2, 7000# 100 mesh sd., 48,000# 20/40 sd. AIR 50 BPM. ATP 3500 psi. ATM 4100 psi. ISIP 3600 psi. 15 min. SIP 2530 psi.