

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on
Reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐		5. LEASE DESIGNATION AND SERIAL NO. NM-04083	
b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☒ DEEP-EN ☐ PLUG BACK ☐ DIFF. REGR. ☐ Other ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR MESA GRANDE RESOURCES, INC.		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 1200 Philtower Building, Tulsa, Oklahoma 74103		8. FARM OR LEASE NAME Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1850' FWL & 1700' FNL At top prod. interval reported below At total depth 1850' FWL & 1700' FNL		9. WELL NO. #1 Hellcat	
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT Gavilan Mancos/Gavilan Greenhorn/Graneros/Dakota	
DATE ISSUED 9/17/84		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Section 22, T25N-R2W	
15. DATE SPUDDED 9/26/84	16. DATE T.D. REACHED 10/16/84	17. DATE COMPL. (Ready to prod.) 12/24/87	18. ELEVATIONS (DF, RKB, RT, CR, ETC.)* 7215 GR
19. ELEV. CASINGHEAD 7215 GR	20. TOTAL DEPTH, MD & TVD 8024		
21. PLUG, BACK T.D., MD & TVD 7882	22. IF MULTIPLE COMPL., HOW MANY* TWO	23. INTERVALS DRILLED BY Surf-TD	24. ROTARY TOOLS CABLE TOOLS
24. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Carlile: 7,501-69 19 holes .48 diam. Greenhorn: 7,634-46 12 holes .48 diam. Graneros: 7,667-93 - 7,716-20 17 holes .48 diam. Dakota: 7,758-68 - 7,800-47 33 holes .48 diam.			25. WAS DIRECTIONAL SURVEY MADE yes, previously submitted
26. TYPE ELECTRIC AND OTHER LOGS RUN Same as previously submitted (Long spaced sonic Cyberlook, Induction SFL/Formation Density-Compensated Neutron)			27. WAS WELL CORED no
28. CASING RECORD (Report all strings set in well)			
CASING SIZE 9 5/8"	WEIGHT, LB./FT. 36#	DEPTH SET (MD) 476'	HOLE SIZE 12 1/4"
7"	23# + 26#	8002'	8 3/4"
(Same as previously submitted)		265 sx Class B 3 staged (See attached #1)	
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2 3/8"	7,458'	7,459 Packer	
2 3/8"	6,896'	6,897 TA	
31. PERFORATION RECORD (Interval, size and number) See attached #1			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED See attached #1			
33. PRODUCTION			
DATE FIRST PRODUCTION 12/26/87	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping Unit 320 Vulcan w/1 1/2 pump		WELL STATUS (Producing or shut-in) Producing
DATE OF TEST 12/25/87	HOURS TESTED 24	CHOKE SIZE --	PROD'N. FOR TEST PERIOD --
FLOW, TUBING PRESS. -0-	CASING PRESSURE NA	CALCULATED 24-HOUR RATE --	OIL—BBL. 11
GAS—MCF. 38		WATER—BBL. -0-	GAS-OIL RATIO 3454:1
OIL GRAVITY-API (CORR.) --		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold	
35. LIST OF ATTACHMENTS Attachment #1, Items #31 & #32		TEST WITNESSED BY Hap Post	
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records		ACCEPTED FOR RECORD	
SIGNED <u>Christopher L. Phillips</u> Christopher L. Phillips		TITLE <u>Manager, Field Operations</u> DATE <u>12/30/87</u>	

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

FARMINGTON RESOURCE AREA

ATTACHMENT TO FORM 3160-4

#1

Lease Number: NM-04083

Operator: MESA GRANDE RESOURCES, INC.

Well: #1 FEDERAL HELLCAT

<u>#31 Perforation Record</u>	<u># Holes</u>	<u>Size</u>
Dakota: 7,800-847, 7,758-68	33	.48"
Graneros: 7,716-20, 7,667-93	17	.48"
Greenhorn: 7,634-46	12	.48"
Carlile: 7,501-69	19	.48"
Lower Gallup: 7,320-95, 7,249-81	23	.34"
Upper Gallup: 6,610-45, 6,706-76, 6,802-70, 6,924-98, 7,002-96, 7,100-04	38	.34"

#32 Acid, Shot, Fracture, Cement, Squeeze Record

7,634-7,847:	<u>Acidize:</u>	w/3,000 gals. 15% MSR acid & 2,000# RS (Diverter)
	<u>Frac'd:</u>	77,000 gals. foam KCL water 51,000# 20/40 sand
7,501-7,569:	<u>Acidized</u>	w/3,000 gals. 15% gelled acid
<u>PBTD</u> 7,416:		Baker Model "S" B.P. at 7,470' w/ 10 sx (11.8 c.f.) on top. Cement on top at 7,416 by wireline tested to 3,000#.
7,249-7,395:	<u>Acidize:</u>	2,000 gals. 15% HCL
	<u>Frac'd:</u>	612 bbls. foamed 2% KCL water & 40,000# 20/40 sand w/68,000 10/20
6,610-7,104:	<u>Acidize:</u>	1,500 gals. 15% HCL
	<u>Frac'd:</u>	1,884 bbls. slick water 8,000# 20/40 & 65,000 10/20