

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)

Expires August 31, 1985

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—" for such proposals.)

1. ☐ OIL WELL ☒ GAS WELL ☐ OTHER		5. LEASE DESIGNATION AND SERIAL NO. NM-18455	
2. NAME OF OPERATOR Mesa Grande Resources, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 1200 Philtower Building, Tulsa, Oklahoma 74103		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1653 FNL & 975 FWL		8. FARM OR LEASE NAME Federal	
RECEIVED MAY 01 1985 BUREAU OF LAND MANAGEMENT		9. WELL NO. Atencio #1	
		10. FIELD AND POOL, OR WILDCAT So. Blanco P.C. Ext.	
14. PERMIT NO.		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 32-T23N-R1W, Unit E	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7438 GR		12. COUNTY OR PARISH Sandoval	13. STATE New Mexico

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐	PULL OR ALTER CASING ☐
FRACTURE TREAT ☐	MULTIPLE COMPLETE ☐
SHOOT OR ACIDIZE ☐	ABANDON* ☐
REPAIR WELL ☐	CHANGE PLANS ☐
(Other) ☐	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐	REPAIRING WELL ☐
FRACTURE TREATMENT ☐	ALTERING CASING ☐
SHOOTING OR ACIDIZING ☐	ABANDONMENT* ☐
(Other) Evidence of Production Report ☐	
(Note: Report results of multiple completion on Well Completion or Reconpletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Lease NM-18455 is expiring at the end of May. We have a shut-in Pictured Cliffs gas well on this lease, capable of production. Due to lack of sales facility, it has not been possible for production to be sold. We have had an independent tester provide evidence of production tests verifying our claims. A copy of the test is attached.

It is our intention to hold this lease, with this well, until we can further develop the area and provide a good enough reserve potential to a gas transporter so that a pipeline will be installed.

RECEIVED
MAY 03 1985
OIL COM. DIV.
DIST. 3

18. I hereby certify that the foregoing is true and correct

SIGNED Gregory N. Phillips
Gregory N. Phillips
(This space for Federal or State office use)

TITLE Operations V.P.

DATE 4/29/85

ACCEPTED FOR RECORD

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE MAY 02 1985

FARMINGTON RESOURCE AREA

*See Instructions on Reverse Side

BY sm

NMOCC

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

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 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

PRIVACY ACT

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et. seq., 351 et. seq., 25 U.S.C. et. seq.; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operations, on a Federal or Indian lease.

ROUTINE USES: (1) Evaluate the equipment and procedures used during the proposed or completed subsequent well operations. (2) Request and grant approval to perform those actions covered by 43 CFR 3162.3-2(2). (3) Analyze future applications to drill or modify operations in light of data obtained and methods used. (4)(5) Information from the record and or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

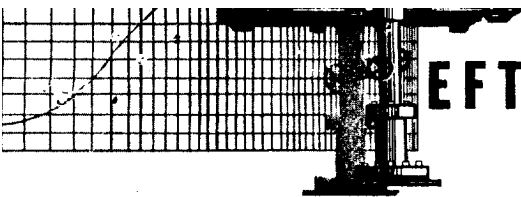
EFFECT OF NOT PROVIDING INFORMATION: Filing of this notice and report and disclosure of the information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that:

This information is being collected in order to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

Response to this request is mandatory for the specific types of activities specified in 43 CFR Part 3160.



TEFTELLER, INC.

reservoir engineering data

MIDLAND, TEXAS / FARMINGTON, NEW MEXICO
GRAND JUNCTION, COLORADO

P. O. Box 5247
Midland, Texas 79704
(915) 682-5574

April 23, 1985

Mesa Grande Resources
1200 Philtower Bldg.
Tulsa, OK 74103

Attention: Mr. Alex Phillips

Subject: Absolute Open Flow Potential Measurement
Atencio No. 1
Rio Arriba County, New Mexico
Our File No. 2-16800-AOF

Gentlemen:

Attached hereto are the results of an absolute open flow potential measurement which was conducted on the above captioned well April 16, 1985.

The data presented are in tabular form. The New Mexico Oil Conservation Commission Form C-122 is attached.

It has been our pleasure to have conducted this service for you. If we may be of further assistance, please call us at any time.

Respectfully submitted,

TEFTELLER, INC.

Neil Tefteller

NT/lw

TEFTELLER, INC.
RESERVOIR ENGINEERING DATA
Midland, Texas

Well : ATENCIO NO. 1

Page 1 of 2

Field :

File 2-16800-AOF

CHRONOLOGICAL PRESSURE AND PRODUCTION DATA

1985 Date	Status of Well	Time	Elapsed Time Hrs.Min.	Wellhead Pressure Tbg Csg	
4-16	Arrived on location, shut-in	11:00		809	809
"	30 days, install 2"x6"x3/4"				
"	positive choke nipple				
"	Open and test for AOF	11:15		809	809
"		11:15	0 00		
"	Dry gas	11:30	0 15	152	161
"		11:45	0 30	106	145
"		12:00	0 45	77	134
"		12:15	1 00	71	114
"		12:45	1 30	63	101
"		13:15	2 00	58	91
"		14:15	3 00	53	84
"	Shut-in	14:15	0 00		

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 4-16-85	
Company Mesa Grande Resources				Connection		
Pool Wildcat				Formation Picture Cliff		Unit
Completion Date 5-27-83		Total Depth 5350		Plug Back TD 4630		Elevation
Casing Size 4 1/2		WT. 10.5		Set At 5350		Perforations: From 2899 To 2928
Tub. Size 2 3/8		WT. 4.7		Set At 2871		Perforations: From To
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At none		County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F A		Mean Annual Temp. °F		State New Mexico
L	H	G _g .650 est.	% CO ₂	% N ₂	% H ₂ S	Prover 2" Meter Run Taps pos. ck. nipple

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	30 days						809	60	809	60	
1.	2" X 3/4"						53	60	84	60	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 F _L	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	11.00		65	1.000	1.240	1.000	887
2.							
3.							
4.							
5.							

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

NO.	P _c	P _w	P _c ²	P _w ²	P _c ² - P _w ²
1	827	96	674041	9216	664825
2.					
3.					
4.					
5.					

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0139$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 909$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0253$

Absolute Open Flow	909	Mcf/d @ 15.025	Angle of Slope	Slope, n	.85
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Remarks:

Approved By Division	Conducted By: Richard Housh	Calculated By: Richard Housh	Checked By:
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