

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on 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.), formation 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 18: 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, top(s), bottom(s) and name(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: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

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37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS																												
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307-M

Ran 5 1/2" Production Casing as follows:

6888' to 127'	(6541')	New 5 1/2"	15.5#	ST&C	K-55 Smls Casing
127' to Surface	(127')	New 5 1/2"	17#	LT&C	K-55 Smls Casing

Stage Tools run in Casing string at 4812' and 3378'.

Cement Baskets run in Casing string at 4944' and 3393'.

Centralizers run on Casing string at following points:

6847', 6806', 6764', 6722', 6681', 6640', 6598', 6556', 6514', 6473', 6431', 6390', 6349', 6307', 4851', 4771', 4733', 4697', 4656', 3418', 3338', 3297', 2425', 2387', 2345' and 2305'.

Cemented 5 1/2" Casing in 3 Stages.

First Stage thru shoe at 6888' with 250 sacks (412.5 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/2# Gilsonite per sack followed by 100 sacks (118 Cu.Ft.) Neat Cement.
Plug down 10:45 PM 8-9-83.

Second Stage cemented thru Stage Tool set at 4812' with 150 sacks (247.5 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/2# Gilsonite per sack followed by 100 sacks (118 Cu.Ft.) Neat cement.
Plug down 11:45 PM 8-9-83.

Third Stage cemented thru Stage Tool set at 3378' with 600 sacks (990 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/2# Gilsonite per sack followed by 200 sacks (236 Cu.Ft.) Neat Cement.
Plug down 1:30 AM 8-10-83.

Circulated approx 5 bbl. slurry from both first and second stages.

Circulated no cement from third stage. Cement top 925' Temperature Survey attached.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL ☐	GAS WELL ☒	DRY ☐	Other _____										
b. TYPE OF COMPLETION:		NEW WELL ☒	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	DIFF. RESVR. ☐	Other _____								
2. NAME OF OPERATOR Caulkins Oil Company						5. LEASE DESIGNATION AND SERIAL NO. NM 03733									
3. ADDRESS OF OPERATOR P.O. Box 780 Farmington, New Mexico						6. IF INDIAN, ALLOTTEE OR TRIBE NAME									
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1120' From South & 1520' From East At top prod. interval reported below Same At total depth Same						7. UNIT AGREEMENT NAME Breech									
14. PERMIT NO. _____ DATE ISSUED _____						9. WELL NO. 307-M									
15. DATE SPUDDED 7-30-83						10. FIELD AND POOL, OR WILDCAT Otero Chacra									
16. DATE T.D. REACHED 8-9-83						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Section 13, 26 North, 7 West									
17. DATE COMPL. (Ready to prod.) 9-21-83						12. COUNTY OR PARISH Rio Arriba									
18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 6146 GR						13. STATE New Mexico									
20. TOTAL DEPTH, MD & TVD 6888'		21. PLUG, BACK T.D., MD & TVD 6888'		22. IF MULTIPLE COMPL., HOW MANY* (4) Four		19. ELEV. CASINGHEAD 6888'									
23. INTERVALS DRILLED BY 0-6888						24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 3231' to 3323' (Chacra)									
25. WAS DIRECTIONAL SURVEY MADE No						26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray Neutron Log									
27. WAS WELL CORED No						28. CASING RECORD (Report all strings set in well)									
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED					
9 5/8"		36# H-40		610'		12 1/4"		500 sacks (590 Cu.Ft.)		None					
5 1/2"		15.5 & 17#		6888'		7 7/8"		1400 sacks (2122 Cu.Ft.)		None					
29. LINER RECORD						30. TUBING RECORD									
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		SIZE		DEPTH SET (MD)		PACKER SET (MD)	
										1 1/4"		3300'		3337'	
31. PERFORATION RECORD (Interval, size and number)						32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.									
1-.42-3231		1-.42-3260				DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED							
1-.42-3238		1-.42-3268				3231' to 3323'		60,000# 20 40 sand and							
1-.42-3242		1-.42-3303						1449 bbls. 20# Gel Fluid							
1-.42-3248		1-.42-3305													
1-.42-3252		1-.42-3323													
33.* PRODUCTION															
DATE FIRST PRODUCTION 9-29-83		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing								WELL STATUS (Producing or shut-in) Shut-in					
DATE OF TEST 9-28-83		HOURS TESTED 3 Hours		CHOKE SIZE 3/4"		PROD'N. FOR TEST PERIOD →		OIL—BBL. 107		GAS—MCF. 856		WATER—BBL.		GAS-OIL RATIO	
FLOW. TUBING PRESS. 63		CASING PRESSURE 564		CALCULATED 24-HOUR RATE →		OIL—BBL.		GAS—MCF.		WATER—BBL.		OIL GRAVITY-API (CORR.)			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Gas to be sold to Gas Company of New Mexico (Condensate to Shell Oil Co.)												TEST WITNESSED BY			
35. LIST OF ATTACHMENTS Complete Cementing Records.															
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records															
SIGNED <i>Charles Vergara</i>		TITLE Superintendent				DATE 9-29-83				OCT 05 1983					

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

NMOCC

FARMINGTON RESOURCE AREA

BY *Smn*

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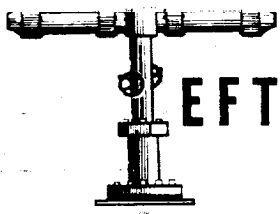
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BHP • BU • PI • DD • GWT • RPS • GOR • FL • TS

TEFTELLER, INC.

reservoir engineering data

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

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

August 16, 1983

Caulkins Oil Company
Box 340
Bloomfield, New Mexico 87413

Attention: Mr. Charles Verquer

Subject: Temperature Survey
307-M Breech
Rio Arriba County, New Mexico
Our File No. 2-13799-TS

Gentlemen:

Attached hereto are the results of a temperature survey which was conducted on the above captioned well August 10, 1983.

The data presented are in graphical form.

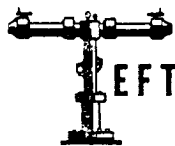
It has been our pleasure to have conducted this service for you. If we may be of further assistance, please call us at any time.

Respectfully submitted,

TEFTELLER, INC.

G. W. Taylor
Operations Manager

GWT/ar



LEFTELLER, INC.

reservoir engineering data

MIDLAND, TEXAS

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File 2-13799-TS

TEMPERATURE SURVEY LOG

