

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

SF 079185

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

UNIT AGREEMENT NAME

7. FARM OR LEASE NAME

Reuter

9. WELL NO.

321-E

10. FIELD AND POOL, OR WILDCAT

Blanco Mesa Verde

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

Section 15, 26 North 6 West

12. COUNTY OR PARISH

13. STATE

Rio Arriba

New Mexico

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

OIL CON. DIV.

DIST. 3

2. NAME OF OPERATOR

Caulkins Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 780 Farmington, New Mexico 87499

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

At surface

934' From South and 1022' From East

At top prod. interval reported below

Same

At total depth

Same

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

16. DATE T.D. REACHED

17. DATE COMPL. (Ready to prod.)

18. ELEVATIONS (DF, RKB, RT, GE, ETC.)*

19. ELEV. CASINGHEAD

7-17-84

8-1-84

9-18-84

6563 Gr

7470'

20. TOTAL DEPTH, MD & TVD

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

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

7470'

7470'

(2) Two

0-7470

No

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

25. WAS DIRECTIONAL SURVEY MADE

4782' - 5400'

(Mesa Verde)

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

27. WAS WELL CORED

ES Gamma Ray Log

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	390'	12 1/4"	250 sacks (412.50 Cu.Ft.)	None
5 1/2"	15.5# & 17#	7470'	7 7/8"	1350 sacks (2086.50 Cu.Ft.)	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1 1/4"	5382'	5489'

31. PERFORATION RECORD (Interval, size and number)

1-.42-5400 1-.42-5212
1-.42-5374 1-.42-5200
1-.42-5340 1-.42-5168
1-.42-5304 1-.42-5132
1-.42-5246 1-.42-4782

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5400' to 4782'	80,000# 20-40 sand and 1756 bbls. 20# Gel Fluid

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
9-25-84		Tubing				Shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9-25-84	3 Hours	3/4"	→		172		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
85	486	→		1384			

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

TEST WITNESSED BY

Gas to be sold to Gas Company of New Mexico(Condensate to Shell Oil Co.)

35. LIST OF ATTACHMENTS

Complete cement records.

ACCEPTED FOR RECORD

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

SIGNED

Charles Dargatzis

TITLE

Superintendent

DATE

9-26-84

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

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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				
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME
Alamo	2383	2471	Water Sand	Alamo
Pictured Cliffs	2950	3033	Gas Sand	Pictured Cliffs
Mesa Verde	4688	5403	Gas Sand	Mesa Verde
Greenhorn	7096	7150	Gas Sand	Greenhorn
Dakota	7181	7427	Gas Sand	Dakota
Hole Deviation Test				
		Depth	Degrees	
		910	1/4	2383
		1420	1/2	2950
		1940	3/4	4688
		2640	1	7096
		2947	1	7181
		3264	3/4	
		3766	3/4	
		4278	3/4	
		4781	1	
		5275	1	
		5787	1 1/4	
		6180	1	
		6675	1	
		7179	1	
		7377	3/4	
		7455	3/4	
			MEAS. DEPTH	TRUE VERT. DEPTH

321-E

Ran new 5 1/2" J-55 Smls 8rd thd Casing as follows:

7470' to 6397'	(1073')	New 5 1/2" 17# J-55 Smls 8rd thd	ST&C
6397' to 937'	(5460')	New 5 1/2" 15.5# J-55 Smls 8rd thd	ST&C
937' to Surface	(937')	New 5 1/2" 17# J-55 Smls 8rd thd	LT&C

Stage Tools run in Casing string at 5445' and 3309'.

Cement Baskets run on Casing string at 5578' and 3391'.

24 Centralizers run on Casing string at following points:

7426', 7386', 7342', 7298', 7254', 7211', 7167', 7127', 7084', 7041', 6997', 6956', 5537', 5413', 5372', 5328', 5291', 5252', 5212', 5168', 5126', 5089', 2248' and 3267'.

Cemented 5 1/2" Casing in three (3) Stages.

First Stage thru shoe at 7470' with 250 sacks (412.50 Cu.Ft.) Light weigh 5 Plus 4% Gel and 12 1/4# Gilsonite per sack. Followed by 100 sacks (188 Cu.Ft.) Neat Cement. Plug down 12:30 AM 8-2-84.

Second Stage cemented thru Stage Tool set at 5445' with 250 sacks (412.50 Cu.Ft.) Light weigh 5 Plus 4% Gel and 12 1/4# Gilsonite per sack. Followed by 100 sacks (118 Cu.Ft.) Neat Cement. Plug down 1:30 AM 8-2-84.

Thrid Stage cemented thru Stage Tool set at 3309' with 550 sacks (907.50 Cu.Ft.) Light weigh 5 Plus 4% Gel and 12 1/4# Gilsonite per sack. Followed by 100 sacks (118 Cu.Ft.) Neat Cement. Plug down 2:30 AM 8-2-84.

Cement circulated on all three stages.

Approx 2 bbls slurry on first Stage.
Approx 4 bbls slurry on second Stage.
Approx 25 bbls slurry on thrid Stage.