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dugan production corp.

May 3, 1978

N. M. Oil Conservation Commission
1000 Rio Brazos Road
Aztec, New Mexico 87410

Re: Dugan Production Corp.
Hard Deal #2R
1850' FNL - 1190' FEL
Section 18, T26N, R12W
San Juan County, NM

Gentlemen:

This is to certify that deviation tests were run on the captioned well
and the following is a true report of those tests:

1/4° @ 1180'

Sincerely,

Jim L. Jacobs

Jim L. Jacobs
Geologist

pb

State of New Mexico)
County of San Juan) ss

Subscribed and sworn to before me this 3rd day of May, 1978.

Donna J. Winer

Notary Public

My commission expires November 5, 1978



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.

5. LEASE DESIGNATION AND SERIAL NO.

NM-22046

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

30-045-22957

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Hard Deal

9. WELL NO.

2R

10. FIELD AND POOL, OR WILDCAT

NIPP - PC

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

Sec 18, T26N, R12W, NMPM

12. COUNTY OR
PARISH
San Juan13. STATE
N.M.

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

Dugan Production Corp.

3. ADDRESS OF OPERATOR

Box 234, Farmington, NM 87401

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

At surface 1850' FNL - 1190' FEL Sec 18 T26N R12W

At top prod. interval reported below

as above

At total depth

as above

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED 4-17-78 16. DATE T.D. REACHED 4-19-78 17. DATE COMPL. (Ready to prod.) 4-26-78 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 5972' GR 19. ELEV. CASINGHEAD 5972'

20. TOTAL DEPTH, MD & TVD 1220 MD 21. PLUG, BACK T.D., MD & TVD 1177' 22. IF MULTIPLE COMPL., HOW MANY* Single - Gas 23. INTERVALS DRILLED BY 0-1220' ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Pictured Cliffs 1126-1146' 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN

IES

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
5-1/2"	14#	39'	7-7/8"	8 SX	None
2-7/8"	6.4#	1207'	4-3/4"	125 SX	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1-1/4"	1134'	---

31. PERFORATION RECORD (Interval, size and number)

1126-1134 (8 holes)

1141-1146 (5 holes)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
DATE OF TEST 5-3-78	HOURS TESTED 3 hrs	CHOKE SIZE 5/8"
PROD'N. FOR TEST PERIOD	OIL—BBL. ---	GAS—MCF. ---
FLOW. TUBING PRESS. ck. press. 8.5	CASING PRESSURE 188 SI	CALCULATED 24-HOUR RATE
	OIL—BBL. ---	GAS—MCF. 178 AOF
	WATER—BBL. 0	OIL GRAVITY-AP (CORR.) 0.873

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

Flared

35. LIST OF ATTACHMENTS

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

SIGNED

Jim L. Jacobs

TITLE

Geologist

U.S. GEOLOGICAL SURVEY 5-3-78

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

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.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

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	MEAS. DEPTH	TRUE VERT. DEPTH
				Log Tops		
				Kirtland	73'	
				Fruitland	768'	
				Pictured Cliffs	1125'	