

UNITED STATES

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY(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 DUGAN PRODUCTION CORP.							
3. ADDRESS OF OPERATOR P. O. Box 208, Farmington, NM 87499							
4. LOCATION OF WELL (Report location clearly and in accordance with <i>Geographic Names</i>) At surface 790' FSL - 1610' FEL At top prod. interval reported below At total depth _____							
14. PERMIT NO. 1-14-81							
15. DATE SPUNDED 1-29-81							
16. DATE T.D. REACHED 2-5-81							
17. DATE COMPL. (Ready to prod.) Plan to P & A							
18. ELEVATIONS (DF, R&B, RT, GR, ETC.) 6660' GL							
19. ELEV. CASINGHEAD 6660' GL							
20. TOTAL DEPTH, MD & TVD 1690'							
21. PLUG, BACK T.D., MD & TVD 1370'							
22. IF MULTIPLE COMPL., HOW MANY? Single							
23. INTERVALS DRILLED BY Rotary							
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* N/A							
25. WAS DIRECTIONAL SURVEY MADE No							
26. TYPE ELECTRIC AND OTHER LOGS RUN IES, GR/CCL/Neutron							
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
7"	23#	83' GL	8-3/4"	35 sx Class "B" (40#)	
2-7/8"	6.5#	1689' RKB GL	5-7/8" (7/8")	50 sx class "B" plus 8% /sk. followed by 60 sx class "B" w/1/4# cello flake per sk (71#)	gel & 1/4# cello flake

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number) See Attached		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) See Attached AMOUNT AND KIND OF MATERIAL USED	
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33.* PRODUCTION							
DATE FIRST PRODUCTION N/A		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in) Plan to P&A	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)	TEST WITNESSED BY
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35. LIST OF ATTACHMENTS (1) Perforation & Fracture Record	
36. I hereby certify that the foregoing and attached information is complete and correct as determined from a check of the records.	
SIGNED Jim L. Jacobs	TITLE Geologist
DATE 11-29-82	

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

NMOCC

FARMINGTON DISTRICT
BY Stephen Mason

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.), formations 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:				38. GEOLOGIC MARKERS		
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						
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
					TOP	
				Ojo Alamo	158'	
				Kirtland	286'	
				Fruitland	506'	
				Pictured Cliffs	948'	
				Lewis Shale	1122'	
				Chacra	1275'	

DUCAN PRODUCTION CORP.
Christmas Season #1

- 2-18-81 Rigged up Southwest Surveys and FWS swabbing unit. PBTD 1659'. Ran GR/CCL/Neutron log from 1659-800. Swabbed well down to 1100'. Perf 1487-1495', 1 SPF, 8 holes w/2-1/8" bi-wire glass jets. Perf 1460-1466 and 1472-1476, 1 SPF, 10 holes w/2-1/8" bi-wire glass jets. Perf 1376-1380, 1 SPF, 4 holes w/2-1/8" bi-wire glass jets. Note: all depths are set back to the IES log. Swabbed well down. No water or gas entry.
- 2-19-81 Rigged up the Western Co. and FWS swabbing unit. Pumped 250 gals. of 15% HCL w/inhibitor and displaced with 9.6 bbls of water. Dropped 8 balls with 125 gals of acid placed. Ball action increased pressure 100 psi. Dropped 8 balls after all acid placed. Ball action increased pressure 400 psi. Break down pressure 1700 psi. Average pressure 900 psi. Maximum pressure 1500 psi, minimum pressure 600 psi. Average pump rate 3 BPM. ISDP 650. Vacuum in 15 min. Swabbed well down.
- 8-27-81 Rigged up Action Well Service swabbing Unit #9. Made four swab runs. Swabbed well down. Fluid level $\pm$ 800'. Waited 20 min. Swabbed well, casing accumulated $\pm$ 150' fluid. Swabbed well down. Waited 30 min. Swabbed well; casing accumulated 200' fluid. Took sample. No show of gas. $\pm$ 300-350' per hr. liquid entry. Released swabbing unit 11:00 a.m. 8-27-81.
- 1-12-82 Moved in Cementers, Inc. Plugged back Chacra Formation, using 8 sx cement followed by 2-7/8" wiper plug; displaced using 8 bbls. water to 1370'.
- 1-20-82 Moved in and rigged up Hinson Service Co. Swabbed well from 0' to 1000'. Rigged up Southwest Surveys; Perforated Upper Chacra interval from 1275-1303', total of 28 shots, one shot per foot, using 2-1/8" bi-wire glass jet gun. Swabbed well down; waited $\pm$ 20 min. Swabbed again. No show of gas or oil. No substantial amount of fluid entry. Shut well in.
- 1-21-82 Opened valve; whisper of gas. Rigged up Cementers, Inc. Pumped 250 gals. of 15% HCL and displaced with 8½ bbls of water. Formation break-down pressure 3000 psi. Average pump rate 3 BPM at 600#. First swab run, well kicked off. Made two more additional swab runs. Good show of gas. Rigged down. Shut well in.
- 1-29-82 No pressure on csg. Rig up Western Co. and foam fracture the Chacra Formation using 70% N₂ foam as follows:
- 5,000 gals foam pad
 - 5,000 gals foam with 1 ppg 10-20 sand
 - 7,500 gals foam with 2 ppg 10-20 sand
 - 317 gals foam flush
- Total Fluid: 127 bbls. fresh water, 32 gals frac foam 102,735 scf N₂
Total Sand: 20,000 # of 10-20 mesh
Treating pressures: Max $\pm$ 1800 psi, Min $\pm$ 1700 psi, Ave $\pm$ 1700 psi
ISDP 875 psi, 15 min shut-in 800 psi
Average injection rate $\pm$ 20 bpm.
Well opened to atmosphere thru ½" choke at 2:50 p.m.