

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions 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 ☐		5. LEASE DESIGNATION AND SERIAL NO. NM 28733	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESEV. ☐ Other ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR DUGAN PRODUCTION CORP.		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 208, Farmington, NM 87499		8. FARM OR LEASE NAME Strawberry	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1980' FSL - 810' FWL At top prod. interval reported below At total depth		9. WELL NO. 1	
14. PERMIT NO. U. S. GEOLOGICAL SURVEY FARMINGTON 9-24-82		10. FIELD AND POOL, OR WILDCAT Counselors GA Assoc. 0 & G	
DATE ISSUED NOV 24 1982		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 3, T23N, R6W	
15. DATE SPUDDED 10-24-82		12. COUNTY OR PARISH Rio Arriba	
16. DATE T.D. REACHED 10-31-82		13. STATE New Mexico	
17. DATE COMPL. (Ready to prod.) 11-20-82		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6690' GL, 6702' RKB	
19. ELEV. CASINGHEAD 6690' GL		20. TOTAL DEPTH, MD & TVD 5730'	
21. PLUG, BACK T.D., MD & TVD 5685' RKB		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)* 5010' - 5655'	
25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN IES & CDL	
27. WAS WELL CORED No		28. CASING RECORD (Report all strings set in well)	
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
4-1/2"	10.5	5735'	7-7/8"
8-5/8"	24	201' RKB	12-1/4"
CEMENTING RECORD		AMOUNT PULLED	
1663 cu. ft.		None	
159 cu. ft.		None	
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2-3/8"	5685' RKB		
31. PERFORATION RECORD (Interval, size and number)			
See Attached			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
See Attached			
33.* PRODUCTION			
DATE FIRST PRODUCTION 11-19-82		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Swab Testing	
WELL STATUS (Producing or shut-in) SI			
DATE OF TEST 11-20-82	HOURS TESTED 8	CHOKE SIZE ---	PROD'N. FOR TEST PERIOD ---
OIL—BBL. 68	GAS—MCF. 45	WATER—BBL. 75 Frac	GAS-OIL RATIO 662
FLOW. TUBING PRESS. 0	CASING PRESSURE 410	CALCULATED 24-HOUR RATE ---	OIL—BBL. 204
GAS—MCF. 135	WATER—BBL. 225 Frac	OIL GRAVITY-API (CORR.) 40° est.	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented to be sold			
TEST WITNESSED BY Pete Hinson			
35. LIST OF ATTACHMENTS Details of Perforations & Fracturing (1 Page)			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from an independent examination			

SIGNED

Jim L. Jacobs

TITLE

Geologist

DATE 11-22-82

*(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.), 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
				Ojo Alamo	1380'	
				Kirtland	1490'	
				Fruitland	1756'	
				Pictured Cliffs	2013'	
				Lewis Shale	2143'	
				Chacra	2380'	
				Cliff House	3593'	
				Menefee	3750'	
				Point Lookout	4215'	
				Mancos	4530'	
				Gallup	5082'	

- 11-8-82 FWS Finished milling out stage tool. Pressure tested stage tool to 1000 psi. T.I.H. with mill on tubing to tag bottom fill with 180 jts. in string. T.E. 5689.92 plus bit sub 1.92'. Estimate cased T.D. 5685' RKB.
Circulated hole with clear water P.O.O.H. with tubing and mill. M.I.R.U. Basin Perforators. Ran GR CCL correlation log from 5677' to 4950'.
Perforated 5655', 5650', 5576; then had a switch failure. Ran another gun to perforate 5572', 5546', 5538', 5524', 5517', 5513', 5508', 5502', 5492', and 5479'.
Rigged up two guns stacked with 20 shots and perforated 5459'. Gun failed again. SDFN.
- 11-9-82 Wait for Basin Perforators. Perf density log int. 5375, 5380, 5385, 5395, 5397, 5399, 5407, 5415 with select fire gun 1JSPF. Perf density log int. 5437, 5439, 5441, 5443, 5445, 5451, 5453, 5455, - conventional 1 JSPF. Rig up Western Company Break an int. 5375 - 5655 with fresh water. Drop 45 ball sealers. ISIP - 800#
Injection Rate - 16 BPM @ 2200#.
T.I.H. with junk basket. Couldn't get below 4500'.
Rig up Western Co. to frac.
Pump 41 BPM @ 3100#. Shut in. Wait for orders. Management says only 14 holes open. Rig down Western Co. without casing scraper. T.I.H. with 3-7/8" bit, casing scraper, sub, and 2-3/8" tubing to 5680'. Work stage collar and knock off balls. T.O.H. with same. 16 STDS. Hydraulic pump went out. Shut in for night.
- 11-10-82 Waiting for rig crew. Western Co. & Overland standing by. Repair rig. T.O.H. with bit, casing scraper and 2-2/8" tubing. Rig up Western Co. Frac density log int. 5375 - 5655 with 55000 gals. slick water, 90000 # 20-40 sand 2% condensate. Average 42 BPM @ 3100#.
ISIP - 1000
5 minutes - 1000
10 minutes - 1000
Try to run 4 1/2" Baker WLSRBP. Couldn't get past stage tool @ 4500' Perf density log int. 5010, 5030, 5062, 5067, 5088, 5157, 5163, 5169, 5174, 5184, 5192, 5203, 5213, 5221, 5224, 5238, 5246, 5262, 5266, 5269; with select fire gun 1 JSPF. 5293, 5295, 5297, 5299, 5301, 5304, 5307, 5322, 5327, 5329, conventional with 1 JSPF. All perforations done under lubrication.
Wait for water. Rig up to frac.
Frac density log int. 5010 - 5329
55000 gals. slick water
90000 # 20-40 sand and 2% oil
Average injection - 44 BPM @ 2350#
ISIP - 1100#
5 minutes - 1000#
10 minutes - 1000#
Shut in for night.

