

6-USGS, Durango, Colo.

Form 4-75 (Rev. 5-83)

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**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. SF #079161	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Bolin Oil Company				7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 400, Aztec, New Mexico 87410				8. FARM OR LEASE NAME Candado	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 935' FBL / 840' FSL (Unit P) Sec. 4 T26N R7W At top prod. interval reported below At total depth				9. WELL NO. 21-A (Dual)	
14. PERMIT NO. _____ DATE ISSUED _____				10. FIELD AND POOL, OR WILDCAT Otero Chacra/Bl. Mesaverde	
15. DATE SPUNDED 9/22/78				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 4-T26N-R7W	
16. DATE T.D. REACHED 10/2/78		17. DATE COMPL. (Ready to prod.) 3/26/79		12. COUNTY OR PARISH Rio Arriba	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6566' GL		19. ELEV. CASINGHEAD		13. STATE N. Mexico	
20. TOTAL DEPTH, MD & TVD 5230' KB		21. PLUG BACK T.D., MD & TVD 5120' KB		22. IF MULTIPLE COMPLET. HOW MANY* 2	
23. INTERVALS DRILLED BY		ROTARY TOOLS X		CABLE TOOLS	
24. PRODUCING INTERVAL(S) OF THIS COMPLETION TOP, BOTTOM, NAME (MD AND TVD)* Chacra - Mesaverde Dual: 3638' - 3738'				25. WAS DIRECTIONAL SURVEY MADE Yes	
26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Induction Lateralog / G. R. Density				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
8 1/2"	23#	337' KB	12 1/4"	270 sxs. Circulated to surface.	
5 1/2"	15.50#	5232' KB	7 7/8"	850 sxs. staged to surface.	
29. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	
30. CH TUBING RECORD					
SIZE	DEPTH SET (MD)	PACKER SET (MD)			
1 1/4"	3714' KB	3835' KB			
31. PERFORATION RECORD (Interval, size and number)					
CH 2 shots per 1':			3638' - 3656'		
			3722' - 3738'		
32. CH XXXX XXXX. FRACTURE. CEMENT XXXX XXXX.					
DEPTH INTERVAL (MD)			AMOUNT AND KIND OF MATERIAL USED		
			35,000# sand & 36,120 gals. water.		
			30,000# sand & 30,000 gals. water.		
33. PRODUCTION					
DATE FIRST PRODUCTION NC		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)			WELL STATUS (Producing or shut-in) S.I.
DATE OF TEST 4/2/79	HOURS TESTED 3	CHOKE SIZE 3/4"	PROD'N. FOR TEST PERIOD	OIL—BBL. 2,064	GAS—MCF. 5,778 AOF
FLOW. TUBING PRESS. 153#	CASING PRESSURE SI 101#	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)					
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 <i>J. P. Curran Jr.</i>		TITLE agent		DATE 4/18/79	

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

6-USGS, Durango, Colo.

Form 9-330
(Rev. 5-63) DA

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**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R3513.**WELL COMPLETION OR RECOMPLETION REPORT AND LOG ***

1a. TYPE OF WELL: OIL WELL ☐ GAS ☐ DRY ☐ Other _____				5. LEASE DESIGNATION AND SERIAL NO. SF #079161	
b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR P.O. Oil Company				7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 400, _____, New Mexico 87410				8. FARM OR LEASE NAME Candado	
4. LOCATION OF WELL (Report location clearly and in accordance with each State requirements)* At surface 935' EEL / 840' _____ (_____ T _____ S _____ E _____ N _____ W) At top prod. interval reported below At total depth				9. WELL NO. 21-A	
14. PERMIT NO. _____ DATE EXP. _____				10. FIELD AND POOL, OR WILDCAT Otero Chacra/Bl. Mesaverde	
15. DATE SPUDDED 9/22/78				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 4-T26N-R7W	
16. DATE T.D. REACHED 10/8/78				12. COUNTY OR PARISH Rio Arriba	
17. DATE COMPL. (Ready to prod.) 3/26/79				13. STATE N. Mexico	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6566' GL				19. ELEV. CASINGHEAD	
20. TOTAL DEPTH, MD & TVD 5280' KB		21. PLUG BACK T.D., MD & TVD 5180' KB		22. IF MULTIPLE COMPLET. HOW MANY*	
23. INTERVALS DRILLED BY _____		ROTARY TOOLS X		CABLE TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD & TVD)* Chacra - Mesaverde Dual: 5042' - 5106'					25. WAS DIRECTIONAL SURVEY MADE Yes
26. TYPE OF LOGS AND OTHER LOGS RUN C. R. Density					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
8 5/8"	26#	337' KB	12 1/4"	270 sxs. Circulated to surface.	
5 1/2"	15.50#	5232' KB	7 7/8"	850 sxs. staged to surface.	
29. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	
30. <u>MV</u> TUBING RECORD					
SIZE	DEPTH SET (MD)	PACKER SET (MD)			
1 1/2"	5085' KB	3835' KB			
31. PERFORATION RECORD (Interval, size and number) MV: 2 shots per ft: 5042' - 5054' 5094' - 5106'			32. NOT SET FRACTURE NOT SET SOURCE ROCK DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 27,720# sand & 28,980 gals. water. 25,000# sand & 25,000 gals. water.		
33.* PRODUCTION					
DATE FIRST PRODUCTION NC		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)			WELL STATUS (Producing or shut-in)
DATE OF TEST 4/9/79	HOURS TESTED 3	CHOKE SIZE 3/4"	PROD'N. FOR TEST PERIOD →	OIL—BBL. 896	GAS—MCF. 896
FLOW, TUBING PRESS. 60	CASING PRESSURE -	CALCULATED 24-HOUR RATE →	OIL—BBL. 930 AOF	GAS—MCF. 930 AOF	WATER—BBL. 930 AOF
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)					TEST WITNESSED BY J. S. GEOLOGICAL SURVEY DURANGO, COLO.
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 <u>St. P. Crum Jr.</u>		TITLE agent		DATE 4/18/79	

*(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 24, and 24, below regarding separate reports for separate completions. All attachments, sample and core analysis, all types electric, etc.), formation logs, pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. Consult local State 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 13: 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 23. 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: "Seals 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 INTERVAL ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL PERM-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
Chacra	3636'	3896'	Sand - Gas	Kirtland	2112'	
				Pictured Cliffs	2734'	
				Chacra	3636'	
Mesavende Pt. Lookout	4959'	5189'	Sand - Gas	Pt. Lookout	4959'	