

Form 9-330
(Rev. 5-67)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-8005	
b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other <u>Reenter old well</u>				6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____	
2. NAME OF OPERATOR Bco, Inc.				7. UNIT AGREEMENT NAME _____	
3. ADDRESS OF OPERATOR P.O. Box 669 Santa Fe, N.M. 87501				8. FARM OR LEASE NAME Federal D	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1650' FNL 1650' FEL At top prod. interval reported below SAME At total depth SAME				9. WELL NO. 1	
14. PERMIT NO. _____ DATE ISSUED _____				10. FIELD AND POOL, OR WILDCAT Wildcat	
15. DATE SPUIDED _____ 16. DATE T.D. REACHED 4-28-71 17. DATE COMPL. (Ready to prod.) 5-17-71 18. ELEVATIONS (DF, RRB, RT, GR, ETC.)* 6954 DF				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA 1-23N-9W	
20. TOTAL DEPTH, MD & TVD _____ 21. PLUG, BACK T.D., MD & TVD _____ 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY _____				12. COUNTY OR PARISH San Juan	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* 5079-5320 Gallup				13. STATE NM	
26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray-Neutron (Schlumberger & Go) cement logs				19. ELEV. CASINGHEAD _____	
27. WAS DIRECTIONAL SURVEY MADE Made when well was initially drilled				25. WAS WELL CORED _____	
28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
Surface	?	?	?	?	NONE
4 1/2	10.5	5408	7 7/8	T.D. 1000 gals mud flush, 150 sacks H.L. 10% gel 5% salt	
				Stage at 3355 1000 gals mud flush	
29. LINER RECORD 150 sacks H.L. 10% gel 5% salt TUBING RECORD salt					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE
					2 3/8
				DEPTH SET (MD)	PACKER SET (MD)
				5306	
31. PERFORATION RECORD (Interval, size and number)					
Interval	Shots				
5079-82	3	5222-24	3	5293-94	2
5092-96	4	5245-49	4	5300-03	3
5195-5201	12	5263-68	5	5316-20	4
5205-14	12	5286-87	2		
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)			AMOUNT AND KIND OF MATERIAL USED		
5079-82			Ran 500 gals. 15% acid set over night.		
5092-96			Broke down ran 3000 gals 28% acid.		
5195-5201			SWF W/ 66,310 gals water and 100,000 lbs 20-40- sand		
33.* PRODUCTION					
DATE FIRST PRODUCTION _____		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping			WELL STATUS (Producing or shut-in)
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented until economics can be studied					TEST WITNESSED BY _____
35. LIST OF ATTACHMENTS Potential to be called in by J Flint when taken.					
Logs to be sent when final prints received. Copy of Halliburton frac report					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED _____		TITLE 5-18-71		DATE V.P.	

*(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
<i>See report filed when well was drilled</i>						

HALLIBURTON SERVICES

JOB SUMMARY

HALLIBURTON
DIVISION

Midland

HALLIBURTON
LOCATION

Farmington

BILLED ON
TICKET NO.

281978

WELL DATA

Wildcat

San Juan

N.M.

FIELD **Callup** SEC. TWP. RING. COUNTY STATE

FORMATION NAME **Callup** TYPE **5079** TO **5320**

FORMATION THICKNESS FROM TO

INITIAL PROD. OIL BPD, WATER BPD, GAS MCFD

PRESENT PROD. OIL BPD, WATER BPD, GAS MCFD

COMPLETION DATE MUD TYPE MUD WT.

PACKER TYPE SET AT

BOTTOM HOLE TEMP. PRESSURE

MISC. DATA

JOB DATA

CALLED OUT		ON LOCATION		JOB STARTED		JOB COMPLETED	
DATE	5-14-71	DATE	0700	DATE	0837	DATE	0902
TIME	0400	TIME		TIME		TIME	

PERSONNEL AND SERVICE UNITS

NAME	EMPL. NO.	UNIT NO. & TYPE	LOCATION
Pulte			
Isbell		4 HT-400	Farmington
Sheppard IM		1 Blender	
		1 Acid	
		4 Sand	

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

MATERIALS

TREAT. FLUID **Water** DENSITY LB/GAL. API

DISPL. FLUID **Water** DENSITY LB/GAL. API

PROP. TYPE **Sand** SIZE **20-40** LB. **100,000**

PROP. TYPE SIZE LB.

ACID TYPE **Reg.** GAL. **3000** % **28%**

ACID TYPE GAL. %

ACID TYPE GAL. %

SURFACTANT TYPE GAL. IN

NE AGENT TYPE **Morflo** GAL. **85** IN **85,000**

FLUID LOSS ADD. TYPE GAL. LB. IN

GELLING AGENT TYPE GAL. LB. IN

FRIC. RED. AGENT TYPE **FR-16** GAL. LB. **175** IN **85,000**

BREAKER TYPE GAL. LB. IN

BLOCKING AGENT TYPE GAL. LB.

PERFAC BALLS TYPE **KCN 7/8"** QTY. **50**

OTHER **KCl 1% 73 sacks**

OTHER

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU. FT./SK.	MIXED LBS./GAL.

SUMMARY

PRESSURES IN PSI

CIRCULATING **3600** DISPLACEMENT **3600**

BREAKDOWN **1900** MAXIMUM **3600**

AVERAGE **2500** FRACTURE GRADIENT **700**

SHUT-IN INSTANT **800** 5-MIN. 15-MIN.

HYDRAULIC HORSEPOWER **4105**

Acid

VOLUMES

PREFLUSH: BBL. GAL. **3000** TYPE

LOAD & BKDN: BBL. GAL. **2800** PAD: BBL. GAL.

TREATMENT: BBL. GAL. **66,310** DISPL. BBL. GAL. **4000**

CEMENT SLURRY: BBL. GAL.

TOTAL VOLUME: BBL. GAL.

AVERAGE RATES IN BPM

TREATING **68** DISPL. **46** OVERALL **67**

CEMENT LEFT IN PIPE

FEET REASON

CUSTOMER

B.C.O., Inc.

LEASE

D

WELL NO.

JOB TYPE

Sandwater

DATE 5-14-71

JOB LOG

CUSTOMER B.C.O., Inc.

PAGE NO. 1

JOB TYPE Sandwater Frac

DATE 5-14-71

FORM 2013

CHART NO.	TIME	RATE (BPM)	VOLUME (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TLBING	CASING	
			800					Load hole
			1500					Breakdown
								Run 3000-gal 28% Acid
			2800					Establish rate
0837	46	C		8		2900		Start sand at 1#
0838	64		3000	8		2100		Sand at 1 1/2#
0840	67		10000	8		2200		Treating
0842	71		16000	8		2300		Treating
0845	70		25200	8		2300		Drop 10 balls
0846	68		28800	8		2400		Balls hit
0849	69		38000	8		2350		Drop 10 balls
0850	67		41600	8		2500		Balls hit
0855	68		51900	8		2500		Drop 10 balls
0856	67		55500	8		2600		Balls hit
0857	67		57700	8		2600		Drop 10 balls'
0858	60		61300	8		2800		Balls hit
0900	61		64900	8		2800		Drop 10 balls
0901	61		66300	8		2800		Start flush
0901	44		2100	8		3600		Balls hit
0902	46		4000	8		3600		Job completed

