

New Mexico Oil Conservation Division, District I

1625 N. French Drive
Hobbs, NM 88240Form 3160-4
(July 1989)
(Formerly 9-330)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTCONTACT RECEIVING
OFFICE FOR NUMBER
OF COPIES REQUIREDBLM Roswell District
Modified Form No.
NM060-3160-3

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:	OIL <input checked="" type="checkbox"/> WELL	GAS <input type="checkbox"/> WELL	DRY <input type="checkbox"/>	OTHER	6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
b. TYPE OF COMPLETION:	NEW <input type="checkbox"/> WELL	WORK <input type="checkbox"/> OVER	DEEPEN <input type="checkbox"/>	PLUG <input checked="" type="checkbox"/> BACK	DIFF. <input type="checkbox"/> RESVR	OTHER	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR	Armstrong Energy Corporation				3a. Area Code & Phone No.	8. FARM OR LEASE NAME	
3. ADDRESS OF OPERATOR	P.O. Box 1973, Roswell, New Mexico 88202				(505) 625-2222	Government G	
4. LOCATION OF WELL	(Report location clearly and in accordance with any State requirements) *				9. WELL NO.	10. FIELD AND POOL, OR WILDCAT	
At surface	760' FSL, 2080' FEL, Section 24				2	Pearl Queen	
At top prod. interval reported below						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA	
At total depth	Same					Sec. 24, T19S, R34E	

9a. API Well No.	14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE	
30-025-28571	NA	1/16/1984	LEA	New Mexico	
15. DATE SPUNDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)	19. ELEV. CASINGHEAD	
3/16/1984	4/15/1984	8/3/2005	3805.3' GR		
20. TOTAL DEPTH, MD & TVD	21. PLUG BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY *	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
10,400'	5170'			X	
24. PRODUCING INTERVAL(S) OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD) *					25. WAS DIRECTIONAL SURVEY MADE
Queen - 4862, 4869, 4870, 5015, 5016, 5017, 5071, 5074, 5075, 5076					NO
26. TYPE ELECTRIC AND OTHER LOGS RUN					27. WAS WELL CORED
BHC, DLL/RXO, DLL/MSFL and CNL/LDT					NO

CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB/FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.5	420'	17-1/2"	450 sxs Class C	None
8-5/8"	24	4100'	11"	1600 sxs Lite, 200 sx C	None
5-1/2"	17 & 15.5	8306'	7-7/8"	1200 H, 150 Lite, 450 C	None

29. LINER RECORD				30. TUBING RECORD	
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)	SIZE
					2-7/8"
					Tail @ 4849.58' - 6'
					Packer Set (MD)
					None

31. PERFORATION RECORD (Interval, Size and Number)	32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
8007-8032' w/19 .42" holes w/CIBP @ 7950'	DEPTH INTERVAL (MD)
6121-6281' w/51 .42" holes w/CIBP @ 6095'	See attachment
6003-5939' w/45 .42" holes	
5916-5897', 5882-5859 w/44 .42" holes	
4868-70', 5015-17', 5071-76', 10 holes	4868-5076'
	1500 gallons 15% Ferchek
	19,010 gallons Hybor-G 311 sx 16/30 Sand

33. PRODUCTION							
DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, Gas Lift, Pumping - size and type of pump)						
8/3/2005	2-1/2" x 1 1/2" x RXBC16-5 pump						
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS - OIL RATIO
8/17/2005	24		8.6		TSTM	35	NA
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24 - HOUR RATE	OIL-BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR)	
	20#		8.6	TSTM	35	NA	

34. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, etc.)	TEST WITNESSED BY
TSTM	Jerry Guy

35. LIST OF ATTACHMENTS

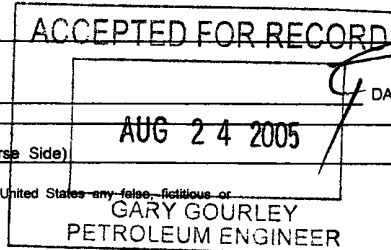
C-102 (Logs on file)

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

SIGNED [Signature] TITLE Engineer DATE 8/19/2005

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

Title 15 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



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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	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Rustler	1825	4717	Anhydrite, Salt			
Queen	4717	5860	Sand			
San Andres	5860	6417	Dolomite			
Delaware	6417	8216	Sand			
Bone Spring	8216	TD	Sand, Shale, Limestone, Dolomite			

Government "G" Well No. 2
Recap of Treatment Report

1. 8007-8032 (19 holes) w/3-1/2" 120 degree phase gun. Acidize w/2000 gallons 7-1/2% HCL and 500 gallons CO2.
2. Set CIBP @ 7950' w/35' cmt on top.
3. PBTD now 7915'.
4. Perf'd 6121-6281' (51 holes) w/3-1/2" 120 degree phase gun. Acidize w/4500 gallons 15%HCL + additives and 20% CO2.
5. Set 5-1/2" CIBP @ 6095'.
6. Perf'd 6003-5939' (45 holes) w/3-1/2" 120 degree phase gun. Acidize w/4500 gallons HCL, 1125 gallons CO2.
7. Perf'd 5916-2897'; 5882-5859' (44 holes) w/3-1/8" 120 degree phase gun. Acidize w/2200 gallons 15% HCL + additives and 550 gallons CO2 w/150# rock salt. Frac'd San Andres zone w/35,000 gallons frac fluid and 74,000# 20/40 sand.
8. Set Bull plug @ 5609', SN w/top @ 5577', TAC @ 5388', 2-7/8 tbw w/tail @5609'.
9. Producing perms: 6003-5939; 5916-5897 and 5882-5859'.
10. PBTD @ 7915' (CIBP @ 7950' w/35' cmt dumped on top RBP @ 6095 - no cmt).