

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

(See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ ☒ DRY ☐ OTHER ☐		5. LEASE DESIGNATION AND SERIAL NO. NMNM 93313	
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS AND TELEPHONE NO. P.O. BOX 3092, Houston, TX		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2530' FSL 800' FSL At top prod. interval reported below At total depth Lot 10		8. FARM OR LEASE NAME, WELL NO. Koch LS 1B	
14. PERMIT NO.		9. API WELL NO. 30-045-30016	
DATE ISSUED		10. FIELD AND POOL, OR WILDCAT Blanco Mesaverde	
15. DATE SPUDDED 11/12/99		11. SEC., T., R., M., OR BLOCK, AND SURVEY OR AREA Section 3 Township 30N Range 10W	
16. DATE T.D. REACHED 11/17/99		12. COUNTY OR PARISH San Juan	
17. DATE COMPL. (Ready to prod.) 01/14/2000		13. STATE New Mexico	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.) 6401' KB		19. ELEV. CASINGHEAD	
20. TOTAL DEPTH, MD & TVD 5592		21. PLUG. BACK T.D., MD & TVD 5490	
22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY ROTARY TOOLS YES CABLE TOOLS NO	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* Blanco Mesaverde 4706' - 5428'		25. WAS DIRECTIONAL SURVEY MADE NO	
26. TYPE ELECTRIC AND OTHER LOGS RUN TDT		27. WAS WELL CORED N	

28. CASING RECORD (Report all strings set in well)					
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9 5/8"	32.5#	154'	12 1/4"	135 SXS CLS B to Surface	
7"	20#	2662	8 3/4"	366 SXS CLS B Lead & Tail	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4 1/2"	2567'	5592'	277 SXS LiteCrete		2 3/8"	5320'	

PERFORATION RECORD (Interval, size, and number)

- 5204' - 5428' w/2JSPF. 330 in diameter, total 36 shots
- 4706' - 4916' w/1JSPF. 330 in diameter, total 14 shots

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED
5204'	5428'	70% Quality N2 Foam, 100,000# 16/30 Arizona Sand
4706'	4916'	70% Quality N2 Foam, 58,000# 16/30 Arizona Sand

33.*		PRODUCTION		WELL STATUS (Producing or shut-in)	
DATE FIRST PRODUCTION 01/14/2000		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing		SI	
DATE OF TEST 01/13/2000	HOURS TESTED 12 hrs	CHOKE SIZE 3/4"	PROD'N FOR TEST PERIOD	OIL - BBL. Trace	GAS - MCF. 2400 MCFD
FLOW TUBING PRESS 45#	CASING PRESSURE 150#	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS - MCF.	WATER - BBL. Trace
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TO BE SOLD				OIL GRAVITY - API (CORR.)	
35. LIST OF ATTACHMENTS				TEST WITNESSED BY	

ACCEPTED FOR RECORD

FEB 07 2000

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.
SIGNED Mary Corley TITLE Sr. Business Analyst DATE 01-17-2000

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

Title 18 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 there-
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	TOP VERT. DEPTH
Ojo Alamo	1682'		Sandstone			
Kirtland	1817'		Sandstone & Shale			
Fruitland Coal	2707'		Coal & Shale			
Pictured Cliffs	3052'		Shale			
Lewis Shale	3157'		Shale			
Cliff House	4807'		Sandstone			
Menefee Shale	4887'		Sandstone & Shale			
Point Lookout	5327'		Sandstone			
Mancos	5492'		Shale			

COMPLETION SUBSEQUENT REPORT

Koch LS 1B

1/17/2000

11/29/1999 MIRUSU & Ran TDT logs.

11/30/1999 NU Frac valve & Frac head. Pressure test CSG to 3000#. Held OK.

12/10/1999 RU & Perf 1st stage - the Point Lockout formation @ the following intervals with 2 JSPF, .330 inch diameter, total 36 shots:

5204'	5325'	5377'
5221'	5330'	5383'
5227'	5340'	5395'
5285'	5348'	5407'
5307'	5366'	5411'
5321'	5372'	5428'

12/15/1999 Frac 1st stage 5204' - 5428' pumped /500 GALS of 15% HCL Acid ahead then 100,000# 16/30 Arizona sand & 70% Quality N2 Foam.

12/24/1999 RU & TIH w/CIBP & set @ 5005'. RU & Perf 2nd stage - the Cliffhouse Formation @ the following intervals with 1 JSPF, .330 inch diameter, total 14 shots:

4706'	4843'	4891'
4725'	4848'	4899'
4736'	4870'	4913'
4828'	4874'	4916'
4831'	4886'	

12/27/1999 RU & Frac 2nd Stage 4706' - 4916' - pumped 500 GAL of 15% HCL Acid ahead then Frac w/58,000# 16/30 Arizona sand & 70% Quality N2 Foam. RU flow back lines & start flowing back w/ ½" choke. Starting PSI 1900#. SWIFN.

12/31/1999 Open well on ¼" choke & flow 1 1/5 hrs. SI well. PSI 200

1/10/2000 MIRUSU ND Frac head & NU BOP.

1/11/2000 TIH PU mill & TBG. C/O 105' fill to CIBP @ 5005'. TOH above liner & SDFN.

1/12/2000 TIH & mill up CIBP. PU TBG & C/O to PBD @ 5490'. PU above liner & RU to flow. Flowing w/watchman on ¾" choke. Starting PSI 160#. After 4 hrs. 150# PSI.

1/13/2000 Flowing well w/ ¾" choke. TIH from liner & tag 0 fill. TOH w/TBG & mill. TIH w/2 3/8" TBG & land @ 5320'. ND BOP & NU wellhead. RU & pull TBG plug. Flow test well thru ¾" choke 12hrs. 2400 MCFD Trace WTR, Trace oil. FTP 45#, CSG Pressure 150#.

RDMOSU Rig released 1700 Hrs.