

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

NM-61

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME, WELL NO.

COWSAROUND #36-13

9. API WELL NO.

30-045-28287

10. FIELD AND POOL, OR WILDCAT

BASIN (FRUITLAND COAL)

11. SEC. T. R. N., OR BLOCK AND SURVEY OR AREA

SECTION 36  
T26N-R12W

12. COUNTY OR PARISH

SAN JUAN

13. STATE

NM

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ Other COALBED METHANE

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RENVR. ☐ Other

2. NAME OF OPERATOR

J.K. EDWARDS ASSOCIATES, INC.

3. ADDRESS AND TELEPHONE NO. 303/298-1400

1331-17TH STREET, SUITE 710, DENVER, COLORADO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface 790' FSL, 790' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

OIL CON. DIV

MAY 13 1993

15. DATE SPUDDED

10/8/90

16. DATE T.D. REACHED

10/10/90

17. DATE COMPL. (Ready to produce)

4/29/93

18. ELEVATIONS (DP, RKB, RT, GR, ETC.)\*

6294' GL

19. ELEV. CASINGHEAD

6296' GL

20. TOTAL DEPTH, MD & TVD

1380'

21. PLUG BACK T.D., MD & TVD

1361'

22. IF MULTIPLE COMPL. HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0'-1380'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

BASIN FRUITLAND COAL 1240'-1250'

25. WAS DIRECTIONAL SURVEY MADE

YES

26. TYPE ELECTRIC AND OTHER LOGS RUN

COAL ANALYSIS,  
SPECTRAL DENSITY DUAL SPACED NEUTRON, DUAL INDUCTION GUARD

27. WAS WELL CORRED

NO

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
7" K-55	23#	121'	8-3/4"	35SK "B" 2% CACL	
4 1/2" J-55	9.5#	1361'	6 1/2"	80SK 65/35 POZ 12% GEL 1#/SK FLOWSEAL	
				40SK "B" 1#/SK FLOWSEAL	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	SACKS SET (MD)
					1 1/4"	1239'	N/A

31. PERFORATION RECORD (Interval, size and number)

1240'-1250'  
4 JSPF .38" HOLES

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1240'-1250'	SEE ATTACHED

33.\* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
WELL IS CAPABLE		OF COMMERCIAL PRODUCTION				SHUTIN GAS WELL	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
			→				
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
		→					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

WAITING ON FIRST DELIVERY

TEST WITNESSED BY

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 J. Keith Edwards

TITLE J. KEITH EDWARDS  
PRESIDENT

DATE 5/5/93

ACCEPTED FOR RECORD

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

MAY 11 1993

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

FARMINGTON DISTRICT OFFICE  
RV Smh

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	TOP	TRUE VERT. DEPTH

3/18/93 36-13

Rig up Great Guns to perforate under packoff. Run GR-CCl and perforate 1240 - 1250 with 4 JSPF using .38" holes. Rig down perforators, rig up Western Company to frac down casing. Frac at 18-30 BPM with 70 Q foam as follows:

10,000 gal.	70 qual. foam	pad
5,000 gal.	70 qual. foam	1/2 ppg. 20/40 sand Arizona
5,000 gal.	70 qual. foam	1.0 ppg. 20/40 sand Arizona
12,500 gal.	70 qual. foam	2.0 ppg. 20/40 sand Arizona
5,000 gal.	70 qual. foam	2.5 ppg. 12/20 sand Brady

Initial pressure 1850 psi with steady increase through job.  
Well pressured out with 6,000 #'s of 2.5 ppg. 12/20 on formation.  
Total 255 bbls. water, 24,000 gals foam. 36,500 #'s sand  
Maximum pressure 3170 psi. ISIP 3170 psi, 15 minute 2750 psi.  
Rig down Western. Open to pit on 1/4" choke after two hour shut in. Leave open overnight.

Estimated daily cost: \$18,236  
Estimated total cost: \$22,582

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth intervals tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
OJO ALAMO	250'	365'	SANDSTONE			
KIRTLAND	365'	985'	SHALE & SANDSTONE			
FRUITLAND	985'	1233'	COAL, SILT & SANDSTONE			
BASAL COAL	1233'	1258'	COAL			
PC	1258'		SANDSTONE			