

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

Form approved
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐
2. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ REPERFORATION ☐ PLUG BACK ☐ DIFF. EXCHGR. ☐ Other ☐

3. NAME OF OPERATOR
JACK A. COLE

4. ADDRESS OF OPERATOR
P. O. BOX 191, FARMINGTON, NEW MEXICO, 87499

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements):
At surface 865FSL x 990FWL

At top prod. interval reported below
At total depth

14. PERMIT NO. DATE ISSUED

15. DATE STUDDERED 23 SEPT. 89 16. DATE T.D. REACHED 3 OCT. 1989 17. DATE COMPL. (Ready to prod.) 21 OCTOBER 1989 18. ELEVATIONS (OF. RKB. RT. GR. ETC.) 7062GR 7076KB 19. ELEV. CASINGHEAD 7062'

20. TOTAL DEPTH, MD & TVD 5930MD & TVD 21. PLUG BACK T.D., MD & TVD 5850'MD 22. IF MULTIPLE COMPL. HOW MANY? 23. INTERVALS DRILLED BY 0-5930 24. ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
5572' - 5587' 5767' - 5777' (GALLUP)
5701' - 5722'
5741' - 5758'

25. TYPE ELECTRIC AND OTHER LOGS RUN
SCHLUMBERGER INDUCTION LOG AND FORMATION DENSITY LOG

26. 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"	24#	271'	12 1/4"	CMT W/ 250 sx. CIRC	NONE
4 1/2"	11.60#	5919'	7 7/8"	CMT W/1100 sx. CIRC70sx	NONE

27. LINER RECORD				28. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	5751'	NONE

29. PERFORATION RECORD (Interval, size and number)
5572' - 5587', .38" 61 HOLES
5701' - 5722', .38" 85 HOLES
5741' - 5758', .38" 69 HOLES
5767' - 5777', .38" 41 HOLES

TOTAL 63 FEET, 256 HOLES

30. PRODUCTION
DATE FIRST PRODUCTION 26 OCTOBER 1989 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) FLOWING
DATE OF TEST 30 OCT. 89 HOURS TESTED 24 CHOKER SIZE 48/64 PROD'N. FOR TEST PERIOD 25 OIL—BBL. 450 GAS—MCF. 5 WATER—BBL. 5 GAS-OIL RATIO 5
FLOW. TUBING PRESS. 180 CASING PRESSURE 475 CALCULATED 24-HOUR RATE 25 OIL—BBL. 450 GAS—MCF. 5 WATER—BBL. 5 OIL GRAVITY-API (CORR.)
31. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) SOLD

32. LIST OF ATTACHMENTS
CASING & CEMENTING SUMMARY (PROD. CSG), TWO FRACTURE TREATMENT REPORTS.

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

SIGNED [Signature] TITLE PETROLEUM ENGINEER DATE 26 OCTOBER, 1989

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

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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
SKELLY (Gallup)	5572	5587	SS & SH
MARYE I (Gallup)	5701	5722	SS & SH
MARYE II (Gallup)	5741	5758	SS & SH
MARYE III (Gallup)	5767	5777	SS & SH
			SS = Sandstone SH = Shale

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	1635	1635
Kirtland Sh	1698	1698
Fruitland Coal	2185	2185
Pictured Cliffs	2248	2248
Lewo Shale	2330	2330
Charcra	3225	3225
Climffhouse	3790	3790
Menefee	3812	3812
Pt Lookout	4500	4500
Mancos	4698	4698
Gallup	5355	5355

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DEC 29 1989
OIL CON. DIV. 1
DIST. 3

CASING AND CEMENTING SUMMARY

Rincon No. 9

(Jack A. Cole)

03 Oct 1989 - TD 5930'. Set 140 jts (5898.84 ft) of 4-1/2" 11.6# J-55 casing plus 6.50' total float equipment at 5919.34' KB. Float Collar 5873.40', Stage Collar 4320.11 ft.

Cemented first stage as follows: Pumped 10 bbl fresh water, 10 bbl CaCl₂ water, 10 bbl fresh water, 12 bbl Flocheck-21, 10 bbl fresh water spacer, followed by 500 sx (710 ft³) 50/50 Pozmix with 2% gel, 6-1/4 lb/sx gilsonite, and 6 lb/sx salt. Plug down at 12:30 03 October 1989. Opened stage tool and circulated cement. Circ above stage tool for 4 hrs.

Cemented second stage as follows: Pumped same spacer program as first stage followed by 550 sx (1507 ft³) 65/35 Pozmix with 12% gel and 6-1/4 lb/sx gilsonite, then tailed in with 50 sx (59 ft³) Class "B" neat cement. Plug down at 18:03 03 October 1989. Circulated 70 sx (192 ft³) cement.

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OIL CON. DIV
DIST. 3

Fracture Treatment

Formation GALLUP (SKELLY) Stage No. 2

Date 18 OCTOBER, 1989

Operator JACK A. COLE Lease and Well RINCON #9

Correlation Log Type BLUE JET DCL From _____ To _____

Temporary Bridge Plug Type HOWCO SPEED-E-LINE Set At 5645

Perforations 5572'-5587'
4 Per foot type 11 GRAM PHASED 120 DEG.

Pad 45,000 gallons. Additives 70%
N₂ FOAMED 30# GEL

Water 40,640 gallons. Additives 70%
N₂ FOAMED 30# GEL

Sand 160,000 lbs. Size 20/40 ARIZONA

Flush 3100 gallons. Additives 50% N₂
FOAMED 30# GEL

Breakdown 2500 psig

Ave. Treating Pressure 2600 psig

Max. Treating Pressure 2700 psig

Ave. Injection Rate 20 BPM

Hydraulic Horsepower 1297 HHP

Instantaneous SIP 2308 psig

5 Minute SIP 2200 psig

10 Minute SIP 2150 psig

15 Minute SIP 2150 psig

Ball Drops: _____ Balls at _____ gallons _____ psig

_____ Balls at _____ gallons _____ psig

_____ Balls at _____ gallons _____ psig

Remarks: _____

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OIL CON. DIV.
DIST. 3

FORMATION GALLUP (MARYE) Stage No. 1

- FRACTURE TREATMENT

Date 12 OCTOBER, 1989

Operator JACK A. COLE Lease and Well RINCON# 9

Correlation Log

Type BLUE JET DCL From _____ To _____

Temporary Bridge Plug

Type NONE Set At _____

Perforations

5701'-5722', 5741'-5758', 5767'-5777'
4 Per foot type 11 GRAM 120 DEG. PHASING

Pad

80,000 gallons. Additives 70%
NITROGEN FOAMED 30# GEL.

Water

112,800 gallons. Additives 70% N₂
FOAMED 30# GEL.

Sand

390,000 lbs. Size 20/40 ARIZONA

Flush

3200 gallons. Additives 50% N₂ FOAM

Breakdown

2200 psig

Ave. Treating Pressure

2700 psig

Max. Treating Pressure

2750 psig

Ave. Injection Rate

30 BPM

Hydraulic Horsepower

2,057 HHP

Instantaneous SIP

2196 psig

5 Minute SIP

2100 psig

10 Minute SIP

2100 psig

15 Minute SIP

2100 psig

Ball Drops:

_____ Balls at _____ gallons _____ psig
_____ Balls at _____ gallons _____ incre
_____ Balls at _____ gallons _____ psig
_____ Balls at _____ gallons _____ incre

Remarks: _____

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DEC 15 1989
OIL CON. DIV
DIST. 3