Form 9-330
(Rev. 5-63)

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*

RECEIVED
SEP 29 1983
OIL CON. DIV.
DIST. 3

RECEIVED
SEP 27 1983
BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

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

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR: Mitchell Energy Corporation

3. ADDRESS OF OPERATOR: 1670 Broadway Suite 3200 Denver, Colorado 80202

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements.**)
At surface: 1080 FNL & 1100 FEL (NE NE)
At top prod. interval reported below: Same
At total depth: Same

5. LEASE DESIGNATION AND SERIAL NO.: SF-078890
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
7. UNIT AGREEMENT NAME: Rosa
8. FARM OR LEASE NAME: NA
9. WELL NO.: 81
10. FIELD AND POOL, OR WILDCAT: Basin Dakota
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 7-T31N-R4W

14. PERMIT NO. | DATE ISSUED
12. COUNTY OR PARISH: Rio Arriba
13. STATE: New Mexico

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
5/21/81	6/17/81	10/16/82	6495' KB	6483' 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
8250'	8203'	NA	→	XX	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 8064'-8166' Dakota

25. WAS DIRECTIONAL SURVEY MADE: NO

26. TYPE ELECTRIC AND OTHER LOGS RUN: DIL 560-8238; Dipmeter, Temperature, FIL

27. WAS WELL CORED: Yes

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10-3/4	40.5	600	14-3/4	708 ft.^{3} Class B w/2% CaCl & 1/4#/sk. Flocele	
4-1/2	11.6	8246	6-1/8	Stage 1: 504 ft.^{3} 50/50 pozmix. TOC @ 6350'	
				DV tool @ 6005'. Stage 2: 662 ft.^{3} 50/50	
				Pozmix. TOC @ 4835'.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	8,000'	

31. PERFORATION RECORD (*Interval, size and number*)
8140'-8166'
8114'-8122'
8106'-8110'
8064'-8078'
2 SPF, 108 holes @ 0.35

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8064'-8166'	5,000 gal 7-1/2% HCL
	1,385 BBL 50# Polaris gel,
	148,000# 20/40 sand.

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
10/16/82	Flowing	SI

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10/15/82	6	---	→	---	88	Light mist	---

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
220	540	→	---	350	---	---

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*): To be sold - Waiting on gas market. Gas vented during testing.
TEST WITNESSED BY: Bob Hiser

35. LIST OF ATTACHMENTS

ACCEPTED FOR RECORD
SEP 27 1983
FARMINGTON RESOURCE AREA
BY

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

SIGNED [signature] TITLE Area Prod. Mgr. DATE 9/23/83

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

NMOCC

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	2600'	3896'
Kirtland	2780'	3716'
Fruitland	3178'	3318'
Pictured Cliffs	3328'	3168'
Lewis	3750'	2746'
Cliffhouse	5320'	1176'
Menefee	5640'	856'
Point Lookout	5780'	716'
Gallup	6560'	-64'
Gallup Base	7495'	-999'
Sanostee	7568'	-1072'
Greenhorn	7880'	-1384'
Graneros	7930'	-1434'
Dakota	8060'	-1564'

* GPO 782-929

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE ANALYSIS REPORT

FOR

MITCHELL ENERGY CORP.

ROSA UNIT NO. 81
WILDCAT
RIO ARRIBA COUNTY, N. M.

CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

DALLAS, TEXAS

MITCHELL ENERGY CORP.
ROSA UNIT NO. 81
WILDCAT
RIO ARRIBA COUNTY, N. M.

DATE : 6-21-81
FORMATION : DAKOTA
DRLG. FLUID: FRESH GEL
LOCATION : NE NE SEC 7-31N-4W

FILE NO : RP-3-3093
ANALYSTS : SCOTT
ELEVATION: 6483 GL

CONVENTIONAL CORE ANALYSIS

SAMPLE NUMBER	DEPTH	PERM. TO AIR (MD) MAXIMUM	PERM. TO AIR (MD) VERTICAL	POR. FLD	FLUID SATS. OIL	FLUID SATS. WTR	DESCRIPTION	
	8098.0-09.0						NO ANALYSIS - SHALE	
1	8109.0-10.0	0.36	*	4.0	2.5	80.0	SHALE-BLK,VFGR,SL/SD	
2	8110.0-11.0	<0.01	<0.01	2.2	4.5	54.5	SD-GRY,VFGR,CARB	
3	8111.0-12.0	0.05	0.02	10.3	1.0	44.7	SD-GRY,VFGR,CARB	VF
4	8112.0-13.0	0.03	0.03	8.0	1.3	38.8	SD-GRY,VFGR,CARB	VF
5	8113.0-14.0	0.04	0.02	8.1	1.2	38.3	SD-GRY,VFGR,CARB	VF
6	8114.0-15.0	0.05	0.05	9.1	2.2	49.5	SD-GRY,VFGR,CARB	
7	8115.0-16.0	0.06	0.01	7.8	1.3	37.2	SD-GRY,VFGR,CARB	
8	8116.0-17.0	0.01	0.01	4.5	2.2	66.7	SD-GRY,VFGR,CARB	
9	8117.0-18.0	<0.01	<0.01	1.9	0.0	52.6	SD-DK GRY,VFGR,SHY	VF
10	8118.0-19.0	<0.01	<0.01	1.9	5.3	52.6	SD-DK GRY,VFGR,SHY	VF
11	8119.0-20.0	<0.01	<0.01	1.6	0.0	50.0	SD-DK GRY,VFGR,SHY	VF
12	8120.0-21.0	<0.01	<0.01	2.6	3.8	80.8	SD-DK GRY,VFGR,SHY	VF
13	8121.0-22.0	<0.01	<0.01	1.9	0.0	84.2	SD-DK GRY,VFGR,SHY	VF
14	8122.0-23.0	0.01	*	0.9	0.0	66.7	SD-DK GRY,VFGR,SHY	VF
15	8123.0-24.0	1.12**	0.01	1.2	0.0	33.3	SD-GRY,VFGR,SL/SHY	VF
16	8124.0-25.0	<0.01	<0.01	1.1	0.0	54.5	SD-GRY,VFGR,SL/SHY	VF
17	8125.0-26.0	<0.01	<0.01	1.6	0.0	75.0	SD-DK GRY,VFGR,SHY	VF
18	8126.0-27.0	<0.01	*	0.7	0.0	61.4	SD-DK GRY,VFGR,SHY	VF
19	8127.0-28.0	<0.01	*	1.7	0.0	47.1	SD-DK GRY,VFGR,SHY	VF
20	8128.0-29.0	<0.01	<0.01	0.7	0.0	28.6	SD-DK GRY,VFGR,SHY	VF
	8129.0-63.0						DRILLED	
21	8163.0-64.0	<0.01	<0.01	1.1	0.0	54.6	SD-GRY,VFGR,SL/SHY	VF
22	8164.0-65.0	<0.01	<0.01	1.7	0.0	58.8	SD-GRY,VFGR,SL/SHY	VF
23	8165.0-66.0	<0.01	<0.01	1.7	0.0	58.8	SD-GRY,VFGR,SL/SHY	VF
24	8166.0-67.0	<0.01	<0.01	2.0	0.0	60.0	SD-GRY,VFGR,SL/SHY	VF
25	8167.0-68.0	<0.01	<0.01	1.3	0.0	0.0	SD-GRY,VFGR,SL/SHY	
26	8168.0-69.0	<0.01	<0.01	1.9	0.0	73.7	SD-GRY,VFGR,SL/SHY,PYR	

MITCHELL ENERGY CORP.
ROSA UNIT NO. 81

DATE : 6-21-81
FORMATION : DAKOTA

FILE NO : RP-3-3093
ANALYSTS : SCOTT

CONVENTIONAL CORE ANALYSIS

SAMPLE NUMBER	DEPTH	PERM. TO AIR (MD) MAXIMUM	PERM. TO AIR (MD) VERTICAL	POR. FLD	FLUID SATS. OIL	FLUID SATS. WTR	DESCRIPTION	
27	8169.0-70.0	<0.01	<0.01	2.0	0.0	50.0	SD-GRY,VFGR,SL/SHY	VF
28	8170.0-71.0	0.01	<0.01	0.6	0.0	33.3	SD-GRY,VFGR,SL/SHY,PYR	
29	8171.0-72.0	<0.01	<0.01	1.3	0.0	69.2	SD-DK GRY,VFGR,SHY,PYR	
30	8172.0-73.0	0.07	<0.01	1.3	0.0	61.5	SD-DK GRY,VFGR,SHY	
31	8173.0-74.0	*	*	1.9	5.3	84.2	SD-DK GRY,VFGR,SHY	
32	8174.0-75.0	0.47 **	0.03	1.1	0.0	18.2	SD-DK GRY,VFGR,SHY	VF
33	8175.0-76.0	0.01	0.02	1.0	0.0	20.0	SD-DK GRY,VFGR,SHY,PYR	
	8176.0-83.0						NO ANALYSIS - RUBBLE/SHALE	
34	8183.0-84.0	2.20	<0.01	0.6	0.0	33.3	SD-DK GRY,VFGR,SHY	
35	8184.0-85.0	0.02	0.03	1.1	0.0	18.2	SD-GRY,VFGR,SL/SHY	

* = SAMPLE NOT SUITABLE FOR ANALYSIS

** = FRACTURE

VF = VERTICAL FRACTURE

8109.0-8129.0 Dwwr - Non-productive due to low permeability and oil saturations.
8163.0-8185.0 Feet - Non-productive due to low permeability and porosity.

CORE LABORATORIES, INC. *Petroleum Reservoir Engineering*

COMPANY MITCHELL ENERGY CORP. FILE NO. RP-3-3093

WELL ROSA UNIT NO. 81 DATE 6-21-81

FIELD WILDCAT FORMATION DAKOTA ELEV. 6483 GL

COUNTY RIO ARRIBA STATE N. M. DRLG. FLD. FRESH GEL CORES

LOCATION NE NE SEC 7-31N-4W

CORRELATION COREGRAPH

VERTICAL SCALE: 5" = 100'