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Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease: State ☐ Fee ☒

5b. State Oil & Gas Lease No.

1a. TYPE OF WELL

b. TYPE OF COMPLETION: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ____ NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER TA

7. Unit Agreement Name

8. Farm or Lease Name: Santa Fe

2. Name of Operator: James P. Dunigan, Inc.

9. Well No.: 1

3. Address of Operator: Box 23, Abilene, Texas 79604

10. Field and Pool, or Wildcat: Wildcat

4. Location of Well: UNIT LETTER P LOCATED 660 FEET FROM THE south LINE AND 660 FEET FROM THE east LINE OF SEC. 31 TWP. 19N RGE. 5W NMPM

12. County: McKinley

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
30 Dec 72	23 Feb 73	4 Jun 73	6866 KB	6856

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
9223	5250		→	0-9223	

24. Producing Interval(s), of this completion — Top, Bottom, Name: 5148-52 Entrada Sandstone

25. Was Directional Survey Made: No

26. Type Electric and Other Logs Run: IES, Sonic, Density

27. Was Well Cored: No

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48	255	17 1/2"	300 sx (circ.)	-0-
8 5/8"	32	4402	11"	200 sx	-0-

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
5 1/2"	4299	5311	200	

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 1/2"	3975	None

31. Perforation Record (Interval, size and number): Perf. 5148-52 2 spf. 1/2" jet total 8 shots

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
None	

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DIST. 3

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
3 Jun 73	Swabbing	TA

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
3 Jun 73	24			5		685	TSTM

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.)

Test Witnessed By

35. List of Attachments

36. *I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.*

SIGNED Gordon H Gray TITLE Project Engineer DATE 25 Jun 73

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radioactivity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico				Northwestern New Mexico			
T. Anhy		T. Canyon		T. Ojo Alamo		T. Penn. "B"	
T. Salt		T. Strawn		T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt		T. Atoka		T. Pictured Cliffs		T. Penn. "D"	
T. Yates		T. Miss		T. Cliff House		T. Leadville	9134
T. 7 Rivers		T. Devonian		T. Menefee		T. Madison	
T. Queen		T. Silurian		T. Point Lookout		T. Elbert	
T. Grayburg		T. Montoya		T. Mancos	2048	T. McCracken	
T. San Andres		T. Simpson		T. Gallup	2958	T. Ignacio Qtzte	
T. Glorieta		T. McKee		Base Greenhorn		T. Granite	9204
T. Paddock		T. Ellenburger		T. Dakota	3862	T.	
T. Blinebry		T. Gr. Wash		T. Morrison	4253	T.	
T. Tubb		T. Granite		T. Todilto	5058	T.	
T. Drinkard		T. Delaware Sand		T. Entrada	5150	T.	
T. Abo		T. Bone Springs		T. Wingate		T.	
T. Wolfcamp		T.		T. Chinle	5332	T.	
T. Penn.		T.		T. Permian	6328	T.	
T. Cisco (Bough C)		T.		T. Penn. "A"	8212	T.	

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
			See attached logs				

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DIST. 3

DRILL STEM TEST RECORD

DST #1: 5145-70' (Entrada)
5143-68' (Adjusted to logs)

Open 15 Minutes: Strong blow immediately

Shut In 30 Minutes:

Open 120 Minutes: Strong blow decreased to weak blow 90 minutes, dead 120 minutes

Shut In 70 Minutes:

Recovered: 4585' Fluid
90' fresh water; 60' oil; 465' heavily oil cut sulphur water (20% oil); 2480' slightly oil cut sulphur water (1% oil); 1490' sulphur water

Initial Hydrostatic Pressure	2450 psig
Final Hydrostatic Pressure	2450 psig
Initial Flow Pressure (1)	601 psig
Final Flow Pressure (1)	1165 psig
Initial Flow Pressure (2)	1273 psig
Final Flow Pressure (2)	1996 psig
Initial Shut In Pressure	1996 psig
Final Shut In Pressure	1996 psig

Bottom Hole Temperature - 140°F

DST #2: 8455-8502' (Ismay)
8445-8492' (Adjusted to logs)

Open 10 Minutes: Very weak blow

Shut In 30 Minutes:

Open 30 Minutes: Very weak blow, died in 15 minutes

Shut In 60 Minutes:

Recovered: 3' drilling mud, N-S

Initial Hydrostatic Pressure	4273 psig
Final Hydrostatic Pressure	4115 psig
Initial Flow Pressure (1)	53 psig
Final Flow Pressure (1)	53 psig
Initial Flow Pressure (2)	54 psig
Final Flow Pressure (2)	54 psig
Initial Shut In Pressure	2036 psig
Final Shut In Pressure	691 psig

Bottom Hole Temperature - 180°F

DRILL STEM TEST RECORD - CONTINUED

DST #3: 8605-25' (Desert Creek)
8595-8615' (Adjusted to logs)

Open 15 Minutes: Very weak blow

Shut In 30 Minutes:

Open 150 Minutes: Very weak blow inc to fair blow & continued through out test

Shut In 60 Minutes:

Recovered: 480' Fluid
210' salt water cut mud, 270' very slightly gas cut salt water

Initial Hydrostatic Pressure	4294 psig
Final Hydrostatic Pressure	4110 psig
Initial Flow Pressure (1)	46 psig
Final Flow Pressure (1)	93 psig
Initial Flow Pressure (2)	93 psig
Final Flow Pressure (2)	232 psig
Initial Shut In Pressure	3742 psig
Final Shut In Pressure	3511 psig

Bottom Hole Temperature - 180°F