

STATE OF NEW MEXICO
OIL AND MINERALS DEPARTMENTOIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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SANTA FE		FILE	
U.S.G.S.		LAND OFFICE	
OPERATOR			

TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____

TYPE OF COMPLETION
NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☒ DIFF. RESVR. ☐ OTHER _____

Name of Operator
Mesa Operating Limited Partnership

Address of Operator
P.O. Box 2009, Amarillo, Texas 79189

Location of Well
COUNTY LETTER B LOCATED 660 FEET FROM THE North LINE AND 1980 FEET FROM East LINE OF SEC. 34 TWP. 16S RGE. 37E NMPM

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No. _____

7. Unit Agreement Name _____

8. Farm or Lease Name
WEST KNOWLES

9. Well No.
#4

10. Field and Pool, or Wildcat
West Knowles, Drinkard

12. County
Lea

1. Date Spudded
Recompletion 7-24-87

16. Date T.D. Reached
NA

17. Date Compl. (Ready to Prod.)
8/2/87

18. Elevations (DF, RKB, RT, GR, etc.)
3775.0' GR

19. Elev. Casinghead
NA

2. Total Depth
11,900'

21. Plug Back T.D.
8400'

22. If Multiple Compl., How Many _____

23. Intervals Drilled By
Rotary Tools NA Cable Tools _____

24. Producing Interval(s), of this completion - Top, Bottom, Name
Drinkard 8230' - 8339' (22 holes) 1 JSPF

25. Was Directional Survey Made
No

26. Type Electric and Other Logs Run
GR-CCL-CBL

27. Was Well Cored
No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"		355'	17 1/2"	350 sx	none
8 5/8"		4195'	11"	300 sx	none
4 1/2"		11900'	7 7/8"	200/550 sx	none

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
NA				

TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8"	8068'	NA

31. Perforation Record (Interval, size and number)
8230' - 8339' (22 holes) 0.34" EHD 1 JSPF

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
8230' - 8339'	4000 gals 15% NEFE

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
7/28/87	pumping	Producing

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
8/20/87	24	--	→	5	5	2	1000

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)
12	--	→	5	5	2	38.0

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
vented

Test Witnessed By
J. Craig

35. List of Attachments

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 Cathy Cummings TITLE Regulatory Analyst DATE 9/1/87

xc: NMOCD-H (0+3), Prod Rcds, Reg, Land, Expl., Partners



LTR



Job separation sheet

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Form C-103

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- 2. Name of Operator Mesa Operating Limited Partnership 3. Address of Operator P.O. Box 2009, Amarillo, Texas 79189 4. Location of Well UNIT LETTER B 660 FEET FROM THE North LINE AND 1980 FEET FROM THE East LINE, SECTION 34 TOWNSHIP 16S RANGE 37E NMPM. 15. Elevation (Show whether DF, RT, GR, etc.) 3775.0' GR	7. Unit Agreement Name 8. Farm or Lease Name WEST KNOWLES 9. Well No. #4 10. Field and Pool, or Wildcat West Knowles, Drinkard 12. County Lea
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Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER Plug Back to Drinkard <input checked="" type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

MI & RU completion unit on 7/24/87. Pulled rods, tbg out of hole. Set Howco EZSV cement retainer @ 9270'. Displaced hole with 140 bbls formation water. Mixed & pumped 50 sx Class "H" cement + .2% HR-5 followed by 19 bbls 9 ppg mud. Spotted 10 sx Class "H" on top of EZSV. TOC @ 9141'. RIH & perforated 4 1/2" casing from 8446-8450' @ 2 JSPF. Broke circ up 4 1/2" annulus, pumped 392 bbls formation wtr. Set 4 1/2" EZSV cement retainer @ 8400'. Pumped 50 sx 50/50 Poz mix cement + 300 sx Class "H" cement + 0.6% Halad-9. Reversed out and displaced hole with 135 bbls 2% KCL wtr. WOC. TOC @ 7122'. Perforated Drinkard formation w/3 1/8" casing gun @ 1 JSPF from 8230-8339' (22 holes). Acidized Drinkard perms w/4000 gals 15% NEFE acid. Swab tested, recovering load. RIH & set 2 3/8" 4.7# N-80 tbg @ 8068', ran rods, set pump, well turned over to production 8/1/87.

xc: NMOCD-H (0+3), Prod Rcds, Reg, Land, Expl., Partners

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED <u>Eddie W. Seay</u>	TITLE <u>Regulatory Analyst</u>	DATE <u>9/1/87</u>
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APPROVED BY <u>Eddie W. Seay</u> Oil & Gas Inspector	TITLE _____	DATE <u>SEP 4 1987</u>
CONDITIONS OF APPROVAL, IF ANY:		