

State Lease - 5 copies
Fee Lease - 5 copies
District I
162 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

Energy, Minerals and Natural Resources

Revised March 25, 1999

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

WEI PI NO.
30-025-34497

5. Indicate Type of Lease
STATE ☐ FEE ☒
State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____
b. Type of Completion:
NEW ☐ WORK ☐ DEEPEN ☐ PLUG ☐ DIFF.
WELL OVER BACK RESVR. ☐ OTHER

7. Lease Name or Unit Agreement Name
Sarah Johnston

2. Name of Operator
Cortez Operating Company (fka Home-Stake Oil and Gas Company)

8. Well No.
1

3. Address of Operator
2745 N. Dallas Parkway, Suite 220, Plano, TX 75093

9. Pool name or Wildcat
Wantz Abo

4. Well Location

Unit Letter **O** : **800** Feet From The **South** Line and **2040** Feet From The **East** Line

Section **22** Township **22S** Range **37E** NMPM **Lea** County

10. Date Spudded 3/2/01	11. Date T.D. Reached 3/3/01	12. Date Compl. (Ready to Prod.) 3/10/01	13. Elevations (DF& RKB, RT, GR, etc.) 3346 GL, 3363 DF, 3364 KB	14. Elev. Casinghead 3346
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15. Total Depth 7360	16. Plug Back T.D. 6843	17. If Multiple Compl. How Many Zones? 2	18. Intervals Drilled By	Rotary Tools	Cable Tools
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19. Producing Interval(s), of this completion - Top, Bottom, Name
6645' - 6796'

20. Was Directional Survey Made
No

21. Type Electric and Other Logs Run
NA

22. Was Well Cored
NO

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48.0# H-40	445	17-1/2"	440 sx Class "C"	"0"
8-5/8"	32.0# J-55	3395	11"	880 sx Class "C"	"0"
5-1/2"	15.5# K-55	7360	7-7/8"	485sx Class "C" (Shot)	"0"
				765 sx Class "C" (OV-5199)	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET

26. Perforation record (interval, size, and number)
6645 - 6796; 2spf, .38"; 20 holes

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED
6645 - 6796 2000 Gal. 15% HCL

28. PRODUCTION

Date First Production 3/10/01		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing			Well Status (Prod. or Shut-in) Prod.		
Date of Test 4/4/01	Hours Tested 24	Choke Size 24/64"	Prod'n For Test Period	Oil - Bbl 4	Gas - MCF 15	Water - Bbl. 1	Gas - Oil Ratio 3750
Flow Tubing Press. 170 psi	Casing Pressure 0 psi	Calculated 24-Hour Rate	Oil - Bbl. 4	Gas - MCF 15	Water - Bbl. 1	Oil Gravity - API - (Corr.) 38.9	

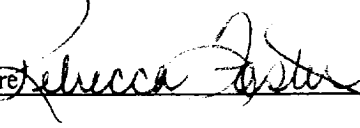
29. Disposition of Gas (Sold, used for fuel, vented, etc.)
Sold

Test Witnessed By
W. Dean

30. List Attachments

Logs previously submitted

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

Signature  Printed Name Rebecca Foster, Engineering Tech. Title January 29, 2003 Date

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INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division 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 radio-activity 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 25 through 29 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

T. Anhy _____	T. Canyon _____
T. Salt _____	T. Strawn _____
B. Salt _____	T. Atoka _____
T. Yates _____	T. Miss _____
T. 7 Rivers _____	T. Devonian _____
T. Queen _____	T. Silurian _____ 7118
T. Grayburg _____	T. Montoya _____ 7218
T. San Andres _____ 3975	T. Simpson _____
T. Glorieta _____ 5062	T. McKee _____
T. Paddock _____ 5200	T. Ellenburger _____
T. Blinebry _____ 5418	T. Gr. Wash _____
T. Tubb _____ 6004	T. Delaware Sand _____
T. Drinkard _____ 6383	T. Bone Springs _____
T. Abo _____ 6820	T. _____
T. Wolfcamp _____	T. _____
T. Penn _____	T. _____
T. Cisco (Bough C) _____	T. _____

Northwestern New Mexico

T. Ojo Alamo	T. Penn. "B"
T. Kirtland-Fruitland	T. Penn. "C"
T. Pictured Cliffs	T. Penn. "D"
T. Cliff House	T. Leadville
T. Menefee	T. Madison
T. Point Lookout	T. Elbert
T. Mancos	T. McCracken
T. Gallup	T. Ignacio Otzte
Base Greenhorn	T. Granite
T. Dakota	T.
T. Morrison	T.
T. Todilto	T.
T. Entrada	T.
T. Wingate	T.
T. Chinle	T.
T. Permian	T.
T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....7118.....to.....7208.....

No. 2, from.....6383.....to.....6423 ...

No. 5 from 5062 to 5090

No. 3, from.....6004.....to.....6050.....

No. 4, from.....5730.....to.....5794.....

No. 6 from 3990 to 4152

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology
Surf	700	700	Sand and Conglomerate
700	2500	1800	Shales and Anydrites
2500	3540	1040	Anhydrites and dolomite
3540	4400	860	Dolomite
4400	5600	1200	Dolomite and Anhydrites
5600	6530	930	Dolomite
6530	6660	130	Limestone
6660	7118	458	Dolomite
7118	7208	90	Chert and Dolomite
7208	7360	152	Dolomite

From	To	Thickness In Feet	Lithology