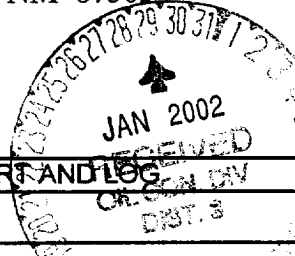


Submit to Appropriate District Office  
 State Lease - 6 copies  
 Fee Lease - 5 copies  
 District I  
 1625 N. French Dr., Hobbs, NM 88240  
 District II  
 811 South First, Artesia, NM 88210  
 District III  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV  
 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources  
 OIL CONSERVATION DIVISION  
 2040 South Pacheco  
 Santa Fe, NM 87505

Form C-105  
 Revised March 25, 1999



WELL API NO.	30-045-30077
5. Indicate Type of Lease	X STATE FEE
State Oil & Gas Lease No.	B-11242-47, V-4832

WELL COMPLETION OR RECOMPLETION REPORT AND LOG		7. Well Name	WF State 16
1a. Type of Well:	<input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER		
b. Type of Completion:	NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER		

2. Name of Operator	Richardson Operating Company #019219	8. Well No.	4
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3. Address of Operator	1700 Lincoln Street, Suite 1700, Denver, CO 80203	9. Pool name or Wildcat	Harper Hill FR Sand PC
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4. Well Location	Unit Letter <u>C</u> : <u>1035</u> Feet From The <u>North</u> Line and <u>1330</u> Feet From The <u>West</u> Line		
	Section <u>16</u>	Township <u>30N</u>	Range <u>14W</u> NMPM San Juan County

10. Date Spudded	9/6/00	11. Date T.D. Reached	9/8/00	12. Date Compl. (Ready to Prod.)	9/10/00	13. Elevations (DF & RKB, RT, GR, etc.)	5637'	14. Elev. Casinghead	5637'
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15. Total Depth	1410	16. Plug Back T.D.	1369' KB	17. If Multiple Compl. How Many Zones?		18. Intervals Drilled by	Rotary Tools X Cable Tools
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19. Producing Interval(s), of this completion - Top, Bottom, Name	PC - 1160 Top 1190 - Bottom	20. Was Directional Survey Made	yes
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21. Type Electric and Other Logs Run	Gamma Ray Neutron	22. Was Well Cored	no
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23. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7"	20#	132.6	8 - 3/4"	50 sx	surface
4 - 1/2"	10.5#	1401.8	6 - 1/4"	100 sx	surface
				80 sx	

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 - 3/8"	1175'	

26. Perforation record (interval, size and number)	1180' - 1188' 32 holes 0.38" 4 spf	27. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	DEPTH INTERVAL 1180-1188' AMOUNT AND KIND OF MATERIAL USED 20/40 Brady Sand
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28. PRODUCTION		
Date First Production	12/17/01	Production Method (Flowing, gas lift, pumping--Size and type of pump) swabbing
Well Status (Prod. or Shut-in)		

Date of Test	12/17/01	Hours Tested	12	Choke Size		Prod'n For Test Period		Oil - Bbl.		Gas - MCF	41	Water - Bbl.	60	Gas - Oil Ratio	
Flow Tubing Press.		Casing Pressure	19	Calculated 24-Hour Rate		Oil - Bbl.		Gas - MCF	41	Water - Bbl.	60	Oil Gravity - API - (Corr.)			

29. Disposition of Gas (Sold, used for fuel, vented, etc.)		Test Witnessed By	
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30. List Attachments	
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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	David Richardson
		Title	President
		Date	1/23/02

K

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anby \_\_\_\_\_  
 T. Salt \_\_\_\_\_  
 B. Salt \_\_\_\_\_  
 T. Yates \_\_\_\_\_  
 T. 7 Rivers \_\_\_\_\_  
 T. Queen \_\_\_\_\_  
 T. \_\_\_\_\_  
 Grayburg \_\_\_\_\_  
 T. San Andres \_\_\_\_\_  
 T. \_\_\_\_\_  
 Glorieta \_\_\_\_\_  
 T. Paddock \_\_\_\_\_  
 T. Blinebry \_\_\_\_\_  
 T. Tubb \_\_\_\_\_  
 T. Drinkard \_\_\_\_\_  
 T. Abo \_\_\_\_\_  
 T. Wolfcamp \_\_\_\_\_  
 T. Penn \_\_\_\_\_  
 T. Cisco (Bough C) \_\_\_\_\_

T. Canyon \_\_\_\_\_  
 T. Atoka \_\_\_\_\_  
 Strawn \_\_\_\_\_  
 T. Atoka \_\_\_\_\_  
 T. Miss \_\_\_\_\_  
 T. Devonian \_\_\_\_\_  
 T. Silurian \_\_\_\_\_  
 T. Montoya \_\_\_\_\_  
 T. Simpson \_\_\_\_\_  
 T. McKee \_\_\_\_\_  
 T. Ellenburger \_\_\_\_\_  
 T. Gr. \_\_\_\_\_  
 Wash \_\_\_\_\_  
 T. Delaware Sand \_\_\_\_\_  
 T. Bone Springs \_\_\_\_\_  
 T. \_\_\_\_\_  
 T. \_\_\_\_\_  
 T. \_\_\_\_\_  
 T. \_\_\_\_\_

T. Ojo Alamo \_\_\_\_\_  
 T. Kirtland- \_\_\_\_\_  
 Fruitland \_\_\_\_\_  
 T. Pictured \_\_\_\_\_  
 Cliffs 1175'-1190' \_\_\_\_\_  
 T. Cliff House \_\_\_\_\_  
 T. Menefee \_\_\_\_\_  
 T. Point Lookout \_\_\_\_\_  
 T. Mancos \_\_\_\_\_  
 T. Gallup \_\_\_\_\_  
 Base \_\_\_\_\_  
 Greenhorn \_\_\_\_\_  
 T. Dakota \_\_\_\_\_  
 T. Morrison \_\_\_\_\_  
 T. Todilto \_\_\_\_\_  
 T. Entrada \_\_\_\_\_  
 T. Wingate \_\_\_\_\_  
 T. Chinle \_\_\_\_\_  
 T. \_\_\_\_\_  
 Permian \_\_\_\_\_  
 T. Penn \_\_\_\_\_  
 "A" \_\_\_\_\_

T. Penn. "B" \_\_\_\_\_  
 T. Penn. "C" \_\_\_\_\_  
 T. Penn. "D" \_\_\_\_\_  
 T. Leadville \_\_\_\_\_  
 T. Madison \_\_\_\_\_  
 T. Elbert \_\_\_\_\_  
 T. McCracken \_\_\_\_\_  
 T. Ignacio Otzte \_\_\_\_\_  
 T. Granite \_\_\_\_\_  
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OIL OR GAS SANDS OR ZONES

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

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	From	To	Thickness in Feet	Lithology

