

Submit To Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies District I 1625 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	State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505	Form C-105 Revised June 10, 2003 WELL API NO. 30-015-33986 5. Indicate Type of Lease STATE ☒ FEE ☐ State Oil & Gas Lease No. 300263
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 Carrasco 14
2. Name of Operator Range Operating New Mexico, Inc.		8. Well No. RECEIVED 004 OCT 03 2005
3. Address of Operator 777 Main Street Suite 800 Fort Worth TX 76102		9. Pool name or Wildcat OCU-ARTESIA Loving; Brushy Canyon, East 40350
4. Well Location Unit Letter <u>JS</u> : <u>2630</u> Feet From The <u>South</u> Line and <u>1300</u> Feet From The <u>East</u> Line Section <u>14</u> Township <u>23S</u> Range <u>28E</u> NMPM County <u>Eddy</u>		
10. Date Spudded 05-05-05	11. Date T.D. Reached 05-13-05	12. Date Compl. (Ready to Prod.) 06-08-05
13. Elevations (DF& RKB, RT, GR, etc.) GR 2977'		14. Elev. Casinghead
15. Total Depth 6625'	16. Plug Back T.D. 6235'	17. If Multiple Compl. How Many Zones?
18. Intervals Drilled By 		Rotary Tools X
19. Producing Interval(s), of this completion - Top, Bottom, Name 6118'-6140' Brushy Canyon		20. Was Directional Survey Made Yes
21. Type Electric and Other Logs Run Gamma/Neutron / DLL / MGRD		22. Was Well Cored No
23. CASING RECORD (Report all strings set in well)		
CASING SIZE	WEIGHT LB./FT.	DEPTH SET
8 5/8"	24	591
5 1/2	15.5	6625
24. LINER RECORD		
SIZE	TOP	BOTTOM
25. TUBING RECORD		
SIZE	DEPTH SET	PACKER SET
2 7/8	6083	
SN @ 6038'		
26. Perforation record (interval, size, and number) 6118' - 6140' (88 holes)		
27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 6118'-6140' AMOUNT AND KIND MATERIAL USED Frac w/24,066 gals VF 125 x-link gel w/88,280#'s 20/40 Brady Sand #37,720#'s Ottawa Sand & 108 Tons CO ₂ .		
28. PRODUCTION		
Date First Production 06-08-05	Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping	
Well Status (Prod. or Shut-in) Producing		
Date of Test 06-10-05	Hours Tested 24	Choke Size 64/64
Flow Tubing Press. 300	Casing Pressure 120	Calculated 24-Hour Rate
Oil - Bbl 22.23	Gas - MCF 105	Water - Bbl. 34.7
Oil - Bbl. 22.23	Gas - MCF 105	Water - Bbl. 34.7
Oil Gravity - API - (Corr.) 37.2		
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold		
30. List Attachments		
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 <i>Linda C. Stiles</i>	Printed Name Linda C. Stiles	Title Sr. Engineering Tech
Date 07-13-2005		
E-mail Address lstyles@rangeresources.com		

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		Northwestern New Mexico	
T. Anhy	T. Cherry Canyon <u>3348</u>	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Brushy Canyon <u>4658</u>	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
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Delaware Sand <u>2603</u>	T. Todilto	T.
T. Drinkard	T. Bone Springs <u>6193</u>	T. Entrada	T.
T. Abo	T.	T. Wingate	T.
T. Wolfcamp	T.	T. Chinle	T.
T. Penn	T.	T. Permian	T.
T. Cisco (Bough C)	T.	T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....5748.....to.....6181..... 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
0	268	268	Alluvium
268	2603	2335	Salt & Anhydrite
2603	61931	3590	SS, SLTST, & SH
6193	6325	132	LS & SH

Company	RB Operating Company
Well	Carrasco "14" No. 4
Field	Loving East (Brushy Canyon)
County, State	Eddy, New Mexico
API	30-015-33986
Date Logged	5/13/2005
Tool Type	SFTT-A

Test Summary

RESULTS MOBILITY

Buildup Pressure (psia)				Mobility Estimates (mdarcy/cp)				
Depth	P*exact	P*fast	P*sphere	Mdd	Mexact	Mfast	Msphere	Mhorner
4756.00	0.000	2138.646	2138.311	1.805	0.000	0.009	0.007	0.000
4765.00	0.000	2346.371	2346.114	1.998	0.000	0.006	0.005	0.000
5861.00	0.000	2971.155	2970.845	1.534	0.000	0.014	0.011	0.000
5921.00	0.000	2755.052	2754.758	1.699	0.000	0.055	0.043	0.000
5956.00	0.000	1877.447	1877.200	2.424	0.000	0.006	0.005	0.000
6013.00	0.000	1611.392	1611.093	2.625	0.000	0.002	0.001	0.000
6119.00	0.000	1028.126	1027.787	4.475	0.000	0.010	0.008	0.000
6133.00	0.000	2313.644	2313.347	1.840	0.000	0.006	0.005	0.000
6143.00	0.000	884.490	884.195	5.648	0.000	0.118	0.096	0.000
6175.00	0.000	635.531	635.195	7.174	0.000	0.057	0.045	0.000

RESULTS PRESSURE

Hydrostatic (psia)			Pretest Pressures (psia)			Pretest Times (sec)				
Depth	Ph1	Ph2	Pdd	Pfu	Pstop	Tfu	Tdd	Tstop	Tfu-Tdd	Tstop-Tfu
4756.00	2455.1	2456.2	2474.3	39.4	2107.3	94.8	83.5	787.0	11.2	692.2
4765.00	2461.0	2459.4	2519.7	40.9	2307.0	86.5	77.2	976.0	9.2	889.5
5861.00	3035.6	3033.4	3058.4	46.4	2946.6	85.5	76.0	569.2	9.5	483.8
5921.00	3067.9	3066.2	3089.6	43.8	2746.0	88.5	79.2	360.5	9.2	272.0
5956.00	3084.6	3084.6	3143.2	26.2	1838.7	95.0	85.5	1064.2	9.5	969.2
6013.00	3115.3	3115.9	3135.3	27.2	1527.2	91.8	81.5	1816.5	10.2	1724.8
6119.00	3173.4	3171.8	3214.2	51.1	997.1	94.5	84.8	726.8	9.8	632.2
6133.00	3182.6	3179.0	3207.7	53.1	2276.6	103.8	93.5	960.5	10.2	856.8
6143.00	3189.7	3186.0	3230.9	68.8	879.3	89.8	80.5	275.8	9.2	186.0
6175.00	3210.3	3203.8	3235.8	70.0	625.2	97.8	87.2	347.0	10.5	249.2

Halliburton does not guarantee the accuracy of any interpretation of log data, conversion of log data to physical rock parameters or recommendations which may be given by Halliburton personnel or which appear on the log or in any other form. Any user of such data, interpretations, conversions, or recommendations agrees that Halliburton is not responsible except where due to gross negligence or willful misconduct, for any loss, damages, or expenses resulting from the use thereof.

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DUAL LATEROLOG MICROGUARD

COMPANY RB OPERATING COMPANY	WELL CARRASCO "14" No. 4	FIELD LOVING EAST (BRUSHY CANYON)	COUNTY EDDY	STATE NM	COMPANY <u>RB OPERATING COMPANY</u>				
					WELL <u>CARRASCO "14" No. 4</u>				
					FIELD <u>LOVING EAST (BRUSHY CANYON)</u>				
					COUNTY <u>EDDY</u> STATE <u>NM</u>				
					API No: <u>30-015-33986</u>		Other Services DSN/SDL		
					Location <u>2630' FSL AND 1330' FEL</u>				
					Sect <u>14</u> Twp <u>23S</u> Rge <u>28E</u>				
Permanent Datum <u>GROUND LEVEL</u>					Elev <u>2977'</u>		Elev.: K.B. <u>2994'</u>		
Log measured from <u>K.B.</u> <u>17</u>					ft. above perm. datum		D.F. <u>2993'</u>		
Drilling measured from <u>KELLY BUSHING</u>							G.L. <u>2977'</u>		
Date	<u>MAY-13-2005</u>								
Run No.	<u>ONE</u>								
Depth - Driller	<u>6325'</u>								
Depth - Logger	<u>6328'</u>								
Bottom - Logged Interval	<u>6320'</u>								
Top - Logged Interval	<u>2500'</u>								
Casing - Driller	<u>8.625 @ 591'</u>				<u>@</u>	<u>@</u>	<u>@</u>	<u>@</u>	
Casing - Logger	<u>588'</u>								
Bit Size	<u>7.875</u>								
Type Fluid in Hole	<u>BRINE</u>								
Dens. Visc.	<u>9.8 28</u>				<u> </u>	<u> </u>	<u> </u>	<u> </u>	
Ph Fluid Loss	<u>10 N/C</u>				<u> </u>	<u> </u>	<u> </u>	<u> </u>	
Source of Sample	<u>MUD PIT</u>								
Rm @ Meas. Temp.	<u>0.069 @ 76 F</u>				<u>@</u>	<u>@</u>	<u>@</u>	<u>@</u>	
Rmf @ Meas. Temp.	<u>0.069 @ 76 F</u>				<u>@</u>	<u>@</u>	<u>@</u>	<u>@</u>	
Rmc @ Meas. Temp.	<u>N/A @ N/A</u>				<u>@</u>	<u>@</u>	<u>@</u>	<u>@</u>	
Source Rmf Rmc	<u>MEAS. N/A</u>				<u> </u>	<u> </u>	<u> </u>	<u> </u>	
Rm @ BHT	<u>0.047 @ 115 F</u>				<u>@</u>	<u>@</u>	<u>@</u>	<u>@</u>	
Time Since Circ.	<u>1600 05-12</u>								
Time on Bottom	<u>0000 05-13</u>								
Max. Rec. Temp.	<u>115 F @ T.D.</u>				<u>@</u>	<u>@</u>	<u>@</u>	<u>@</u>	
Equip. Location	<u>388 HOBBS</u>				<u> </u>	<u> </u>	<u> </u>	<u> </u>	
Recorded By	<u>C. MERCADO</u>								
Witnessed By	<u>M. EMERY</u>								

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SPECTRAL DENSITY DUAL SPACED NEUTRON

COMPANY RB OPERATING COMPANY	WELL CARRASCO "14" No. 4	FIELD LOVING EAST (BRUSHY CANYON)	COUNTY EDDY	STATE NM	COMPANY <u>RB OPERATING COMPANY</u>					
					WELL <u>CARRASCO "14" No. 4</u>					
					FIELD <u>LOVING EAST (BRUSHY CANYON)</u>					
					COUNTY <u>EDDY</u> STATE <u>NM</u>					
					API No. <u>30-015-33986</u>		Other Services DLL/MGRD SFT			
					Location <u>2630' FSL AND 1330' FEL</u>					
					Sect <u>14</u>	Twp <u>23S</u>	Rge <u>28E</u>			
Permanent Datum <u>GROUND LEVEL</u>					Elev <u>2977'</u>		Elev. : K.B. <u>2994'</u>			
Log measured from <u>K.B.</u> , <u>17</u>					ft. above perm. datum		D.F. <u>2993'</u>			
Drilling measured from <u>KELLY BUSHING</u>							G.L. <u>2977'</u>			
Date	MAY-13-2005									
Run No.	ONE									
Depth - Driller	6325'									
Depth - Logger	6328'									
Bottom - Logged Interval	6280'									
Top - Logged Interval	200'									
Casing - Driller	8.625 @ 591'		@		@		@			
Casing - Logger	588'									
Bit Size	7.875"									
Type Fluid in Hole	BRINE									
Dens. Visc.	9.8 28									
Ph Fluid Loss	10 N/C									
Source of Sample	MUD PIT									
Rm @ Meas. Temp.	0.069 @ 76 F		@		@		@			
Rmf @ Meas. Temp.	0.069 @ 76 F		@		@		@			
Rmc @ Meas. Temp.	N/A @ N/A		@		@		@			
Source Rmf Rmc	MEAS. N/A									
Rm @ BHT	0.047 @ 115 F		@		@		@			
Time Since Circ.	1600 05-12									
Time on Bottom	0000 05-13									
Max. Rec. Temp.	115 F @ T.D.		@		@		@			
Equip. Location	388 HOBBS									
Recorded By	C. MERCADO									
Witnessed By	M. EMERY									

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