

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. 30-015-33783 5. Indicate Type of Lease STATE ☐ FEE ☒ State Oil & Gas Lease No.
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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 South Culebra Bluff 23						
2. Name of Operator Range Operating New Mexico, Inc.	8. Well No. 015						
3. Address of Operator 777 Main Street Suite 800 Fort Worth TX 76102	9. Pool name or Wildcat LOVING BRUSHY CANYON, EAST 40350						
4. Well Location Unit Letter <u>H</u> <u>1430</u> Feet From The <u>North</u> Line and <u>1150</u> Feet From The <u>East</u> Line Section <u>23</u> Township <u>23S</u> Range <u>28E</u> NMPM County <u>Eddy</u>							
10. Date Spudded 01-24-2005	11. Date T.D. Reached 02-05-2005	12. Date Compl. (Ready to Prod.) 02-15-2005	13. Elevations (DF& RKB, RT, GR, etc.) GR 2989'	14. Elev. Casinghead			
15. Total Depth 6424'	16. Plug Back T.D. 6332'	17. If Multiple Compl. How Many Zones? _____	18. Intervals Drilled By _____	Rotary Tools X	Cable Tools		
19. Producing Interval(s), of this completion - Top, Bottom, Name 6222'-6226' & 6154'-6159' Brushy Canyon				20. Was Directional Survey Made Yes			
21. Type Electric and Other Logs Run Spectral Density / DS Neutron / DLL / MGRD				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		
8 5/8"	24	534	12 1/4"	650	0		
5 1/2	15.5	6424	7 7/8"	1275	0		
24. LINER RECORD			25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8	5788	5707
					SN @		
					6093.32'		
26. Perforation record (interval, size, and number) 6222'-6226' 6 spf 6154'-6159' 6 spf				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 6154-6226' Frac w/49,266 gals VF 125 x-link gel w/93,005#'s 16/30 Ottawa Sand.			
28. PRODUCTION							
Date First Production 02-15-2005		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping			Well Status (Prod. or Shut-in) Producing		
Date of Test 02-20-2005	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 26	Gas - MCF 146	Water - Bbl. 120	
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl. 26	Gas - MCF 146	Water - Bbl. 120	Oil Gravity - API - (Corr.)	
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold					Test Witnessed By		
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			Printed Name Linda C. Stiles		Title Sr. Engineering Tech Date 06-22-2005		
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>3375</u>	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Brushy Canyon <u>4667</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. Blinbry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Delaware Sand <u>2614</u>	T. Todilto	T.
T. Drinkard	T. Bone Springs <u>6234</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...5998.....to...6008.....

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

No. 2, from...6198.....to...6208.....

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	318	318	Alluvium
318	2622	2304	Salt & Anhydrite
2622	6261	3639	SS, SLTST, & SH
6261	6424	163	LS & SH

State of New Mexico
Energy Minerals and Natural Resources

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

Form C-116
Revised June 10, 2003

Submit 2 copies
To Appropriate
District Office

GAS - OIL RATIO TEST

Operator Range Operating New Mexico, Inc.		Pool Loving, Brushy Canyon, East		County Eddy												
Address 777 Main Street Suite 800 Fort Worth, TX 76102		TYPE OF TEST - (X)														
LEASE NAME	API No.	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS	DAILY ALLOW-ABLE	SCHEDULED LENGTH OF TEST HOURS	Completion ☒ DURING TEST				Special ☐	
			U	S	T						R	WATER BBLs	GRAV. OIL	OIL BBLs		GAS M.C.F.
South Culebra Bluff 23	30-015-33783	015	H	23	23S	28E	02-20-2005	64/64	0		24	120	39.6	26	146	5.615

Instructions:

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Division.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

(See Rule 301, Rule 1116 & appropriate pool rules.)

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

Linda C. Stiles
Signature

06-22-2005
Date

Linda C. Stiles
Printed Name

Sr. Engineering Tech
Title

lstiles@rangeresources.com
E-mail Address

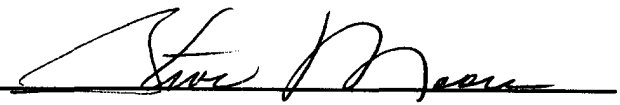
817/810-1908
Telephone No.

OPERATOR RANGE PRODUCTION COMPANY
WELL/LEASE SCB 23 #15
COUNTY EDDY, NM

065-0052

STATE OF NEW MEXICO
DEVIATION REPORT

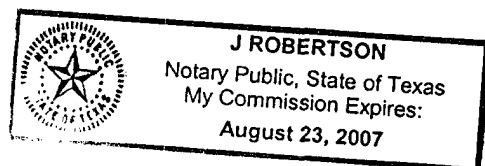
223	3/4
568	3/4
1,039	1
1,538	1 3/4
2,068	1 3/4
2,408	2 1/4
2,657	2 1/4
2,912	2
3,192	1 1/2
3,690	1 1/4
4,435	1 1/4
4,929	1
5,416	3/4
5,914	3/4
6,417	1

BY: 

STATE OF TEXAS
COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me February 16, 2005, by Steve Moore on behalf of Patterson - UTI Drilling Company, LP, LLLP.


Notary Public for Midland County, Texas
My Commission Expires: 8/23/07



DISTRICT I

1825 N. FRENCH DR., BOBBS, NM 88240

DISTRICT II

1801 W. GRAND AVENUE, ARTERIA, NM 88210

DISTRICT III

1000 Elie Brasos Rd., Anteo, NM 87410

DISTRICT IV

1825 N. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102

Revised JUNE 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
Property Code	Property Name SCB 23	Well Number 15
OGRID No.	Operator Name R.B. OPERATING	Elevation 2989'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	23	23-S	28-E		1430'	NORTH	1150'	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

GEODETIC COORDINATES NAD 27 NME Y=470865.0 N X=586666.3 E LAT.=32°17'39.17" N LONG.=104°03'10.30" W 1430' 1150'	RECEIVED MAY 04 2006 JULY 2006	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. <i>DK Robinson</i> Signature DK ROBINSON Printed Name Drilling Manager Title 8-11-2004 Date
		SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. AUGUST 2, 2004
		Date Surveyed JR Signature & Seal of Professional Surveyor <i>Ronald J. Robinson</i> 8/11/04 04.11.0896
		Certificate No. RONALD J. ROBINSON 3239