

WELL LOGS

K Z

API number:	30-025-38354			
OGRID:		Operator:	RANGE OPERATING NM INC	
		Property:	ELLIOTT B FEDERAL	# 19

surface	ULSTR:	P	6	T	22S	R	37E
			800	FSL	916	FEL	

BH Loc	ULSTR:	P	6	T	22S	R	37E
			800	FSL	916	FEL	

Ground Level:	3438	DF:	3447	KB:	3448	
Datum:	KB			TD:	4318	

Land: STATE

Completion Date: (1) 8/2/2007
 Date Logs Received: 8/24/2007 ***Late***
 Date Logs Due in: (2) 8/22/2007

Confidential:	NO			Date out:		
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Confidential period: 90 Days for State & Fee, 1 Year for federal

Date Due In (1) is equal to Completion Date (1) + 20 days

Logs	Depth interval		
DSN/SDL	200	4262	Spectral Density Dual Spaced Neutron
DLL/MGRD	2500	4317	Dual Laterolog Micro Guard Log

K Z

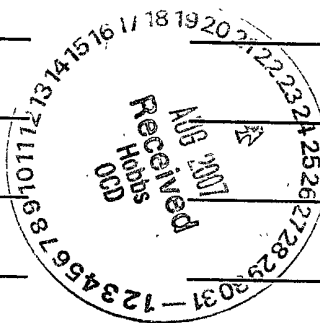
OCD TOPS

Rustler	1103	Strawn			
Tansill	2468	Atoka			
Yates	2676	Morrow			
7R	2878				
T. Bowers Sd	3177				
B. Bowers Sd	3239				
Queen	3376				
Penrose	3476				
Grayburg	3630				
San Andres	3887				
Glorieta					
Tubb					
Drinkard					
Abo					
Wolfcamp					

WELL NAME AND NUMBER Elliott " B" Federal #19 30-025-38354
LOCATION Section 6, T22S, R37E, Unit P, 800FSL, 916FEL, Lea County
OPERATOR Range Resources
DRILLING CONTRACTOR United Drilling, Inc.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and had conducted deviation test and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>3/4 @ 533'</u>	<u> </u>	<u> </u>
<u>1/4 @ 1160'</u>	<u> </u>	<u> </u>
<u>1 1/2 @ 1669'</u>	<u> </u>	<u> </u>
<u>3/4 @ 2173'</u>	<u> </u>	<u> </u>
<u>1 3/4 @ 2707'</u>	<u> </u>	<u> </u>
<u>1 1/4 @ 3211'</u>	<u> </u>	<u> </u>
<u>1-1/4 @ 3721'</u>	<u> </u>	<u> </u>
<u>1 1/4 @ 4317'</u>	<u> </u>	<u> </u>



Drilling Contractor- UNITED DRILLING, INC.

By: *Luisa Garcia*
(Luisa Garcia)

Title: Assistant Office Manger

Subscribed and sworn to before me this 20 day of July, 2007

Darryl A. Cho
Notary Public
Chaves NM
County State

My Commission Expires:

10-8-08

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO 1004-0137
Expires March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5 Lease Serial No LC 032573B
b Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff Resvr, Other _____		6 If Indian, Allottee or Tribe Name
2 Name of Operator Range Operating New Mexico, Inc.		7 Unit or CA Agreement Name and No 3
3 Address 100 Throckmorton St., Ste. 1200, Fort Worth, TX 76102	3a Phone No. (include area code) 817-869-4216	8 Lease Name and Well No Elliott B Federal #19
4 Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 800' FSL & 916' FEL At top prod. interval reported below At total depth 800' FSL & 916' FEL		9 AFI Well No 30-025-38354
14 Date Spudded 7-13-2007		10 Field and Pool, or Exploratory Eunice; San Andres, Southwest
15 Date T.D. Reached 7-18-2007		11 Sec., T., R., M., on Block and Survey or Area Unit P-6-225-37E
16 Date Completed 08-02-2007 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		12 County or Parish Lea
17 Elevations (DF, RKB, RT, GL)* 3438		13 State NM
18. Total Depth MD 4318 TVD	19. Plug Back T.D. MD 4256 TVD	20. Depth Bridge Plug Set: MD TVD
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) Dual Spaced Neutron, Dual Laterolog		22 Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.25	8.625	24	0	1160		350 sx 35/65 C	121	Surf	0
						150 sx C	35		
7.875	5.5	17	0	4318		850 sx POZ/C	99	Surf	0

24 Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 7/8	3903							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf. Status
A) San Andres	4018	4131	4080 - 4131	.40	51	Producing
B)			4018 - 4030	.40	10	Producing
C)			4052 - 4060	.40	10	Producing
D)						

26 Perforation Record

27 Acid, Fracture, Treatment, Cement Squeeze, etc

Depth Interval	Amount and Type of Material
4080 - 4131	Acidized w/4500 gals 15% NEFE acid & 75 BS
4018 - 4060	Acidized w/2500 gals 15% NEFE acid & 30 BS

28 Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
08/01/2007	08/03/2007	24	→	4	350	1500	32.7	713	Pumping
Choke Size 14/64	Tbg Press Flwg SI 500	Csg Press 350	24 Hr Rate →	Oil BBL 4	Gas MCF 350	Water BBL 1500	Gas/Oil Ratio 87,500	Well Status	Producing

28a Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

(See instructions and spaces for additional data on page 2)

dm

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press Flwg SI	Csg Press	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press Flwg SI	Csg Press	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

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

Sold

30 Summary of Porous Zones (Include Aquifers)

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31 Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc	Name	Top
					Meas Depth
Penrose Skelly	3477	3658	Gas, Oil & Water	Yates	2681
Grayburg	3658	3887	Gas, Oil & Water	7 Rivers	2878
San Andres	3887	4318	Gas, Oil & Water	Queen	3326
				Penrose Skelly	3477
				Grayburg	3658
				San Andres	3887

32. Additional remarks (include plugging procedure)

Also attached are the inclination survey and the C-104.

33. Indicate which items have been attached by placing a check in the appropriate boxes.

- ☒ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other.

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Paula Hale

Title Sr. Reg. Sp.

Signature

Date 8-22-2007

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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 & Natural Resources

Form C-104
Revised Feb. 26, 2007

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

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Range Operating New Mexico, Inc. 100 Throckmorton St., Ste. 800 Fort Worth, TX 76102		² OGRID Number 227588
		³ Reason for Filing Code/ Effective Date NW/8-02-07
⁴ API Number 30 - 025-38354	⁵ Pool Name Eunice; San Andres, Southwest	⁶ Pool Code 24180
⁷ Property Code 301545	⁸ Property Name Elliott B Federal	⁹ Well Number 19

II. ¹⁰ Surface Location

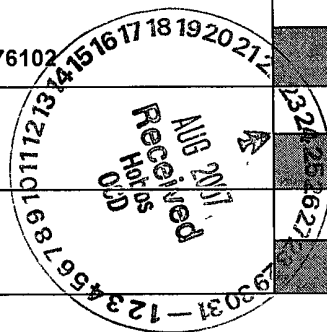
Ul or lot no. P	Section 6	Township 22S	Range 37E	Lot Idn 2	Feet from the 800	North/South Line South	Feet from the 916	East/West line East	County Lea
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¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 8-02-07	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
174238	Teppco Cruce Oil, L.P. 210 Park Ave., Ste. 1600, OKC, Ok 73102	O
020809	Southern Union Gas Service 301 Commerce, Ste. 700, Fort Worth, TX 76102	G



IV. Well Completion Data

²¹ Spud Date 7-13-07	²² Ready Date 8-02-07	²³ TD 4318	²⁴ PBDT 4256	²⁵ Perforations 4018 - 4131	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12.25	8 5/8	1160	350 sx POZ/C		
			150 sx C		
7 7/8	5 1/2	4318	850 sx POZ/c		
	2 7/8	3903			

V. Well Test Data

³¹ Date New Oil 8-02-07	³² Gas Delivery Date 8-02-07	³³ Test Date 8-03-07	³⁴ Test Length 24	³⁵ Tbg. Pressure 500	³⁶ Csg. Pressure 350
³⁷ Choke Size Open	³⁸ Oil 4	³⁹ Water 1500	⁴⁰ Gas 350		⁴¹ Test Method Pumping
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Paula Hale</i>			OIL CONSERVATION DIVISION		
Printed name: Paula Hale			Approved by: <i>Chris Williams</i>		
Title: Sr. Reg. Sp.			Title: OC DISTRICT SUPERVISOR/GENERAL MANAGER		
E-mail Address: phale@rangeresources.com			Approval Date: AUG 30 2007		
Date: 8-23-07		Phone: 817-869-4216			