N.M. Oil Cons. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

Form 3160-4
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. **NM 32636**

1a. Type of Well ☑ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☑ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr,.
Other

6. If Indian, Allottee or Tribe Name **N/A**

7. Unit or CA Agreement Name and No. **N/A**

2. Name of Operator **Range Operating New Mexico, Inc.**

8. Lease Name and Well No. **Teledyne 12 Federal #2**

3. Address **777 Main Street Suite 800 Fort Worth Texas 76102**

3a. Phone No. *(include area code)* **817/810-1908**

9. API Well No. **30-015-33928**

4. Location of Well *(Report location clearly and in accordance with Federal requirements)*

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At surface **1980' FSL & 990' FWL**

At top prod. interval reported below **1980' FSL & 990' FWL**

At total depth **1980' FSL & 990' FWL**

10. Field and Pool, or Exploratory **Herradura Bend Delaware, East**

11. Sec., T., R., M., on Block and Survey or Area **Sec 12, T23S, R28E**

12. County or Parish **Eddy**

13. State **NM**

14. Date Spudded **06/02/2005**

15. Date T.D. Reached **06/11/2005**

16. Date Completed **06/21/2005** ☐ D & A ☑ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)* **GL 2995'**

18. Total Depth: MD **6436'** TVD

19. Plug Back T.D.: MD **6324'** TVD

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
SDL / DSN / DLL / MGRD

22. Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☑ 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 1/4	8 5/8J-55	24#		553		600		Surface	
7 7/8	5 1/5J-55	15.5		6416		1420		Surface	

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	6190							

25. Producing Intervals

	Formation	Top	Bottom
A)	Brushy Canyon 'AA'	5926'	5962'
B)	Brushy Canyon 'A'	5990'	5996'
C)	Brushy Canyon 'B'	6180'	6190'
D)	Brushy Canyon 'C'	6220'	6230'

26. Perforation Record

Perforated Interval	Size	No. Holes	Perf. Status
6180'-6190'	0.40	20	Producing
6220'-6230'	0.40	20	Producing
5990-5996'	0.40	12	Producing
5926'-5932'	0.40	12	Producing

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
6180'-6190' & 6220'-6230'	2,000 gals 15% HLC NEFE Acid w/63,350#'s 16/30 Ottawa & Resin Sand in 1013 bbl 20/25# x-link gel.
5926'-5962' & 5990'-5996'	2,000 gals 15% HLC NEFE Acid w/63,350#'s 16/30 Ottawa & Resin Sand in 1002 bbl 25# x-link gel.

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
06/26/2005	07/03/2005	24		13.93	73	165	40.9		Pumping
Choke Size	**Tbg. Press. Flwg.**	**Csg. Press.**	**24 Hr. Rate →**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas/Oil Ratio**	**Well Status**	
64/64	SI 220	90		13.93	73	165	524	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)

ACCEPTED FOR RECORD
NOV 21 2005
LES BABYAK
PETROLEUM ENGINEER

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
									Pumping
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
Delaware Sand	**2649**	**3408**	**SS, Water**	**Delaware**	**2649**
Cherry Canyon	**3408**	**4734**	**SS, Water**	**Cherry Canyon**	**3408**
Brushy Canyon	**4734**	**6259**	**SS, Gas, Oil & Water**	**Brushy Canyon**	**4734**
				Bone Spring	**6259**

32. Additional remarks (include plugging procedure):

33. Indicate which itmes 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)* **Linda C. Stiles** Title **Sr. Engineering Tech**

Signature Linda C. Stiles Date **09/28/2005**

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 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	Well Number
	TELEDYNE 12 FEDERAL	2

OGRID No.	Operator Name	Elevation
	R.B. OPERATING	3004'

Surface Location

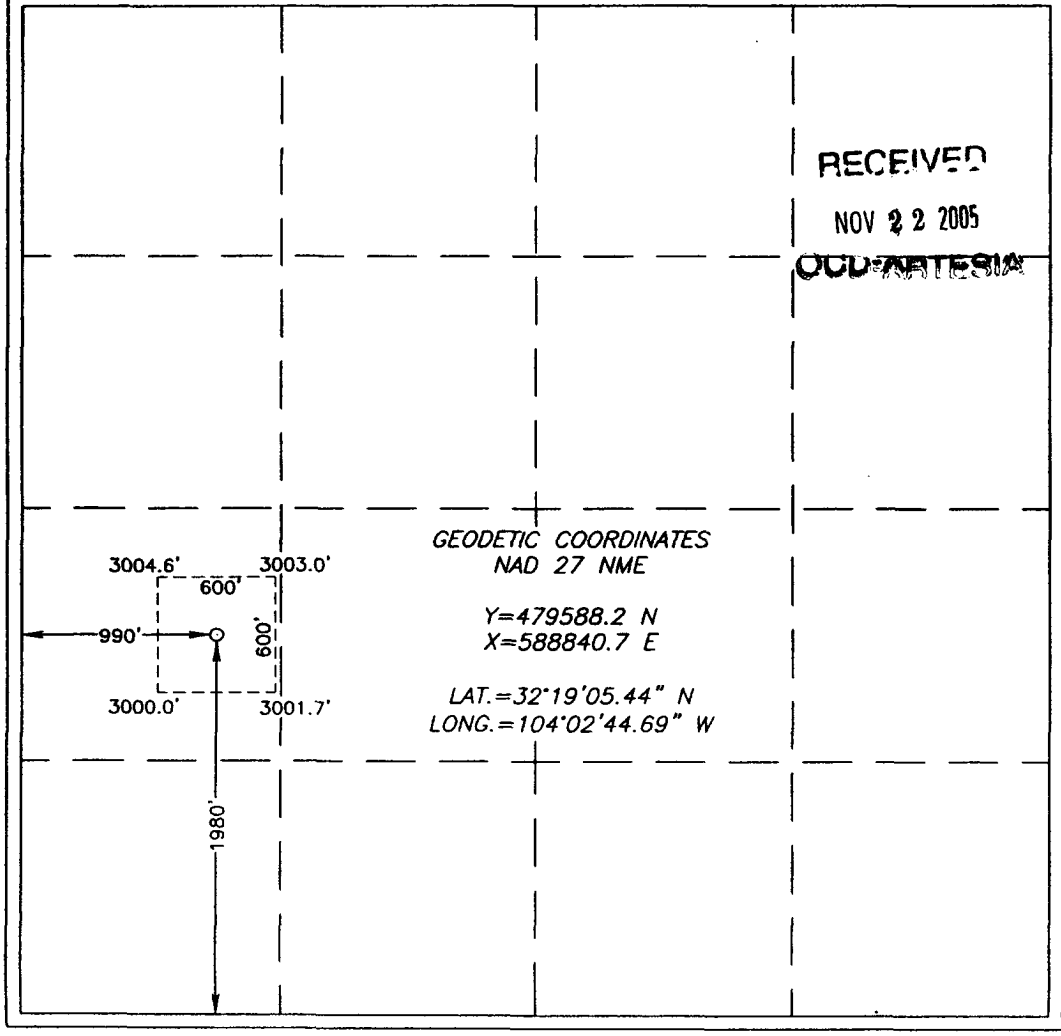
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	12	23-S	28-E		1980	SOUTH	990	WEST	EDDY

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



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GEODETIC COORDINATES
NAD 27 NME

Y=479588.2 N
X=588840.7 E

LAT.=32°19'05.44" N
LONG.=104°02'44.69" W

OPERATOR CERTIFICATION

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

Signature: DK Robinson

Printed Name: D K ROBINSON

Title: Dvlg Mgr

Date: 11/30/04

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 supervison, and that the same is true and correct to the best of my belief.

OCTOBER 13, 2004

Date Surveyed: LA

Signature & Seal of Professional Surveyor: Ronald J. Eidson 10/19/04

RONALD J. EIDSON NEW MEXICO 3239 REGISTERED PROFESSIONAL SURVEYOR

04.11.1330

Certificate No. RONALD J. EIDSON 3239
GARY EIDSON 12641

Completion

1. Dress off location. Install 5,000 psi flange. NU 5,000 psi full opening master valve. Test valve and casing to 3800 psi.

2. MIRU WOR. NU BOP. PU & TIH with bit & scrapper, no drill collars on 2 7/8" tubing. Drill out DV tool @ +/- 3,503'. Clean to FC @ +/- 6,328'. Circulate 2 hole volumes with fresh water. TOOH standing in derrick. ND BOP.

3. MIRU WLU. PU & RIH with 3 3/8" expendable gamma gun loaded 2 spf, 90 deg phase with at least 20 gm charges and an EHD of at least 0.37". RIH to PBTD. Pull strip from TD to +/- 4500'. Correlate to get on depth and perforate the following interval:

   6,180' to 6,190'
   6,220' to 6,230'

4. POOH. RDMO WLU. Breakdown perforations at 2 to 5 bpm with 20 bbls of fluid. SD, record ISIP and pressure every 5 min for 30 min. RDMO kill truck.

5. MI 3 clean frac tanks filled with 500 bbls each of Carlsbad city water.

6. MIRU Schlumberger frac equipment and frac Brushy Canyon "C" sand as per frac design.

7. RDMO frac equipment. Flow well to tank until it dies.

8. TIH with TAC on 2 7/8" tubing and SN (set SN 50' above top perforation). BHA should consist of purge valve, 40' x 3 1/2" MHMA. Tag fill with BHA and note top of fill on report. ND BOP and NU pumping tee. Run pump with Stanley filter, rods with scrapers on top 2200' of 7/8" rods, rotator and POP. (check rod design and optimize unit speed). Hook up to frac tnk. Well on @ 6:30 PM. Load to recover – 897 bbls.

9. MIRU WOR, Pull rods & pump, ND well head, Pull tubing and NU 5000 psi full opening frac valve. Stand tubing in derrick.

10. MIRU WLU, PU & RIH with gauge ring, junk basket to +/- 6100'. POOH, PU & RIH with CIBP and set @ +/- 6,100'. POOH.

11. PU & RIH with CCL & 3 3/8" expendable gun loaded 2 spf, 120 deg phase with at least 20 gm charges and an EHD of at least 0.37". RIH to PBTD. Pull strip to get on depth and perforate the following interval(s):

    5,990' – 5,996'

12. POOH. Breakdown perforations at 2 to 5 bpm with 20 bbls of fluid. SD, record ISIP and pressure every 5 min for 30 min.

13. PU & RIH with CCL & 3 3/8" expendable gun loaded 2 spf, 120 deg phase with at least 20 gm charges and an EHD of at least 0.37". Pull strip to get on depth and perforate the following interval(s):

5,926' to 5,932'
(note: perfs were supposed to be 5856-62 decided to frac anyway)

14. POOH. Breakdown perforations at 2 to 5 bpm with 20 bbls of fluid. SD, record ISIP and pressure every 5 min for 30 min.

15. RDMO WLU and Kill truck.

16. MI 3 clean frac tanks, fill with 500 bbls each of Carlsbad city water.

17. MIRU Schlumberger frac equipment and frac Brushy Canyon "AA" & "A" sands as per frac design.

18. RDMO frac equipment. Flow well to tank until it dies.

19. PU & TIH with bit & collars and drill CIBP @ +/- 6,100'. Chase plug to bottom and wash to PBTD if possible. Circulate 2 hole volumes or until returns are clean. POOH.

20. TIH with TAC on 2 7/8" tubing and SN (set SN 50' above top perforation). BHA should consist of purge valve, 40' x 3 1/2" MHMA. ND BOP and NU pumping tee. Run pump with Stanley filter, rods with scrapers on top 2200' of 7/8" rods, rotator and POP.

INCLINATION REPORT

1. FIELD NAME	2. LEASE NAME
	Teledyne 12 Fed. #2

3. OPERATOR
Range Resources

4. ADDRESS
777 Main Street, Ft. Worth, Tx. 76102

5. LOCATION (Section, Block, and Survey)
Sec 23, T-23-S, R-28-E, Chaves, N.M.

RECORD OF INCLINATION

*11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Sine of Angle x 100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
256	256	0.75	1.31	3.35	3.35
548	292	1.25	2.18	6.36	9.71
780	232	1.75	3.05	7.07	16.78
1029	249	0.75	1.31	3.26	20.04
1282	253	1.75	3.05	7.71	27.75
1538	256	3.00	5.23	13.38	41.13
1668	130	2.25	3.93	5.10	46.23
1890	222	2.75	4.80	10.65	56.88
2080	190	1.50	2.62	4.97	61.85
2332	252	2.25	3.93	9.90	71.75
2617	285	1.75	3.05	8.69	80.44
2847	230	2.50	4.36	10.02	90.46
3353	506	1.00	1.75	8.85	99.31
3607	254	1.00	1.75	4.44	103.75
3924	317	1.25	2.18	4.73	108.48
4276	352	1.00	1.75	6.16	114.64
4622	346	2.00	3.49	12.07	126.71
4964	342	0.75	1.31	4.48	131.19
5310	346	1.25	2.18	7.54	138.73
5664	354	1.75	3.05	10.79	149.52
5918	254	1.25	2.18	5.53	155.05
6415	497	1.25	2.18	10.83	165.88

Accumulative total displacement of well bore at total depth of 6415' 165.88 feet.

Inclination measurements were made in : ☐ Tubing ☐ Casing Open Hole ☒

Signature of Authorized Representative	Signature of Authorized Representative
L.V. Bohannon	
Name of Person and Title (type or print)	Name of Person and Title (type or print)
Adobe Drilling	
Name of Company	Name of Company
Telephone 432-552-5553	Telephone
Area Code	Area Code

Certified By _____ *Date* _____

Rhonda Dutton 6-15-05

HALLIBURTON

SPECTRAL DENSITY
DUAL-SPACED NEUTRON

COMPANY RB OPERATING COMPANY
WELL TELEDYNE "12" FEDERAL No. 2
FIELD LOVING EAST (BRUSHY CANYON)
COUNTY EDDY STATE NM

COMPANY RB OPERATING COMPANY

WELL TELEDYNE "12" FEDERAL No. 2

FIELD LOVING EAST (BRUSHY CANYON)

COUNTY EDDY STATE NM

API No. 30-015-33928
Location 1980' FSL AND 990' FEL

Other Services
DLL/MGRD

Sect 12 Twp 23S Rge 28E

Permanent Datum GROUND LEVEL Elev 3004
Log measured from K.B. , 17 above perm. datum
Drilling measured from KELLY BUSHING

Elev. : K.B. 3021
D.F. 3020
G.L. 3004

Date	12-JUN-2005			
Run No.	ONE			
Depth – Driller	6415			
Depth – Logger	6436			
Bottom – Logged Interval	6384			
Top – Logged Interval	200			
Casing – Driller	8.625 @ 553	@	@	@
Casing – Logger	552			
Bit Size	7.875"			
Type Fluid in Hole	BRINE			
Dens. | Visc.	10 | 28	|	|	|
Ph | Fluid Loss	11 | N/A	|	|	|
Source of Sample	SUCTION			
Rm @ Meas. Temp.	0.061 @ 71 F	@	@	@
Rmf @ Meas. Temp.	0.061 @ 71 F	@	@	@
Rmc @ Meas. Temp.	N/A @ N/A	@	@	@
Source Rmf | Rmc	MEAS. | N/A	|	|	|
Rm @ BHT	0.036 @ 125 F	@	@	@
Time Since Circ.	00:45 6-12			
Time on Bottom	07:13 6-12			
Max. Rec. Temp.	125 F @ TD	@	@	@
Equip. | Location	582 | HOBBS	|	|	|
Recorded By	K. ANUSKEWICZ			
Witnessed By	MR. METCALF	MR. EMERY		

Fold Here

HALLIBURTON

DUAL LATEROLOG
MICRO-GUARD

COMPANY RB OPERATING COMPANY
WELL TELEDYNE "12" FEDERAL No. 2
FIELD LOVING EAST (BRUSHY CANYON)
COUNTY EDDY STATE NM

COMPANY RB OPERATING COMPANY

WELL TELEDYNE "12" FEDERAL No. 2

FIELD LOVING EAST (BRUSHY CANYON)

COUNTY EDDY STATE NM

API No. 30-015-33928
Location 1980' FSL AND 990' FEL

Other Services
DSN/SDL

Sect 12 Twp 23S Rge 28E

Permanent Datum GROUND LEVEL Elev 3004
Log measured from K.B. , 17 above perm. datum
Drilling measured from KELLY BUSHING

Elev.: K.B. 3021
D.F. 3020
G.L. 3004

Date	12-JUN-2005			
Run No.	ONE			
Depth - Driller	6415			
Depth - Logger	6436			
Bottom - Logged Interval	6433			
Top - Logged Interval	2500			
Casing - Driller	8.625 @ 553	@	@	@
Casing - Logger	552			
Bit Size	7.875"			
Type Fluid in Hole	BRINE			
Dens. | Visc.	10 | 28	|	|	|
Ph | Fluid Loss	11 | N/A	|	|	|
Source of Sample	SUCTION			
Rm @ Meas. Temp.	0.061 @ 71 F	@	@	@
Rmf @ Meas. Temp.	0.061 @ 71 F	@	@	@
Rmc @ Meas. Temp.	N/A @ N/A	@	@	@
Source Rmf | Rmc	MEAS. | N/A	|	|	|
Rm @ BHT	0.036 @ 125 F	@	@	@
Time Since Circ.	00:45 6-12			
Time on Bottom	07:13 6-12			
Max. Rec. Temp.	125 F @ TD	@	@	@
Equip. | Location	582 | HOBBS	|	|	|
Recorded By	K. ANUSKEWICZ			
Witnessed By	MR. METCALF	MR. EMERY		

Fold Here