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 #3**

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

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

9. AFI Well No. **30-015-33927** SI

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

At surface **2160' FNL & 990' FWL**

DEC - 7 2005

At top prod. interval reported below **2160' FNL & 990' FWL**

OCD-ARTESIA

At total depth **2160' FNL & 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 **07/12/2005**

15. Date T.D. Reached **07/19/2005**

16. Date Completed **08/04/2005** ☐ D & A ☑ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)* **GL 2998'**

18. Total Depth: MD **6408'** TVD

19. Plug Back T.D.: MD **6319'** 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#		298.94		350		Surface	
7 7/8	5 1/5J-55	15.5		6405		1572		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	6191							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	Brushy Canyon 'AA'	5910'	5920'	5910'-5920'	0.40	20	Producing
B)	Brushy Canyon 'C'	6200'	6210'	6200'-6210'	0.40	20	Producing
C)							
D)							

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

Depth Interval	Amount and Type of Material
5910' - 5920'	Acidize w/1000 gal 15% NEFE HCL acid. Frac w/ 997 bbls 25# x-link gel w/ 63,800# Ottawa & resin sand
6200 '- 6210'	Acidize w/1000 gal 15% HCL acid. Frac w/ 899 bbls 25# cross link gel w/ 61,797# sand

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
08/06/2005	08/12/2005	24	→	58.73	156	327	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 100	100	→	58.73	156	327	266	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**	
			→						

ACCEPTED FOR RECORD
DEC - 5 2005
ALEXIS C. SWOBODA
PETROLEUM ENGINEER

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

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	**2635**	**3416**	**SS, Water**	**Delaware**	**2635**
Cherry Canyon	**3416**	**4730**	**SS, Water**	**Cherry Canyon**	**3416**
Brushy Canyon	**4730**	**6255**	**SS, Gas, Oil & Water**	**Brushy Canyon**	**4730**
				Bone Spring	**6255**

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2005 NOV 30 PM 1
CARLSBAD FIELD OFF

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 **11/17/2005**

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	3
OGRID No.	**Operator Name**	**Elevation**
	R.B. OPERATING	2998'

Surface Location

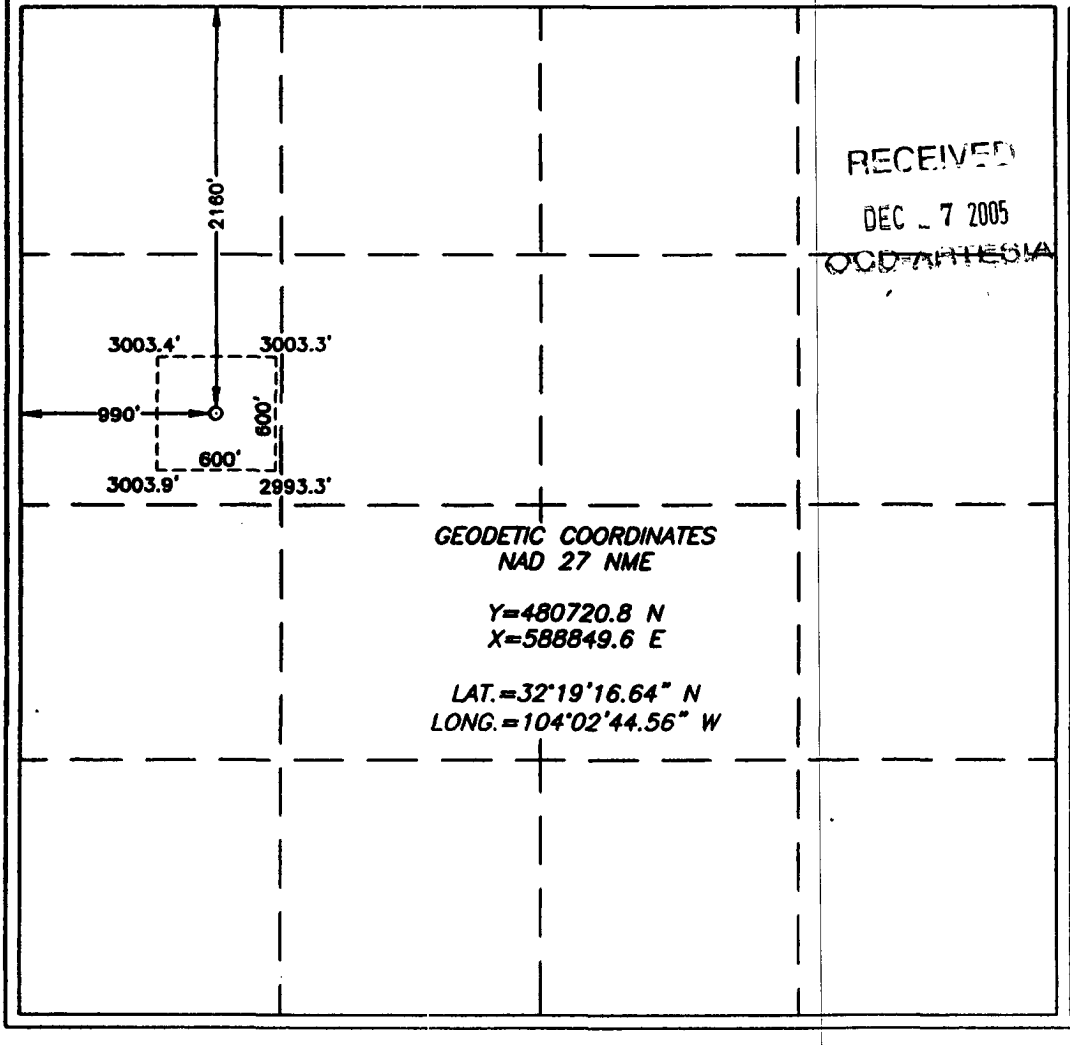
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	12	23-S	28-E		2160	NORTH	990	WEST	EDDY

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



RECEIVED
DEC - 7 2005
OCD-ARTESIA

GEODETIC COORDINATES
NAD 27 NME

Y=480720.8 N
X=588849.6 E

LAT.=32°19'16.64" N
LONG.=104°02'44.56" W

OPERATOR CERTIFICATION

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

DK Robinson
Signature

DK ROBINSON
Printed Name

Drlg Mgr
Title

11/30/04
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 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
04.11.1331

Certificate No. RONALD J. EIDSON 3239
GARY L. EIDSON 12641

Form 3160-5
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OM B No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160 - 3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

5. Lease Serial No.
NM 32636

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

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

1. Type of Well
☑ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
Teledyne 12 Federal #3

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

9. API Well No.
30-015-33927

3a. Address
777 Main Street Suite 800 Fort Worth, TX 76102

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

10. Field and Pool, or Exploratory Area
Herradura Bend Delaware, East 30670

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*

At Surface: 2160' FNL & 990' FWL Sec. 12, T23S, R28E
At Proposed Prod. Zone: 2160' FNL & 990' FWL Sec. 12, T23S, R28E

11. County or Parish, State
Eddy, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☑ Production (Start/Resume)	☐ Water Shut-Off
☑ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

NOTIFIED DUNCAN @ BLM OF SPUD 7/10/05 @ 10:00 AM. SPUD WELL @ 4:00 AM MDT JULY 11 2005. DRILL NEW 12 1/4" HOLE TO 298.94'. NOTIFIED BLM TO RUN & CMT CSG @ 6:00AM 7/11/05. WL SURVEY @ 267' 1°. CIRC HOLE CLEAN . RU & RUN 7 JTS 8 5/8" J-55 24# ST&C CSG, SET@ 298.94'. CIRC CSG. RD CSG CREW. RU TO SCHLUM/TEST LINES TO 1500 PSI, GOOD. CMT 8 5/8" CSG W/350 SX C W/ADD. DISPL W/16.2 BBLS H2O. BUMPED PLUG W/500 PSI. FLOW BACK/NONE. WOC. CUT CONDUCTOR & 8 5/8" CSG, WELD ON HEAD & TEST SAME TO 1000 PSI. REPAIR BELL NIPPLE. NU BOP. TEST BOP 250 PSI LOW & 2000 PSI HIGH. NOTIFIED BLM F/BOP TEST @ 12:30 AM MDT 7/12/05 MR. PAUL EVANS.

DRILL NEW 7 7/8 HOLE TO TD 6408' @ 2:00 AM 7/19/05 MDT. CIRC AND COND FOR LOGS. R/U LOGGERS AND RIH W/ TRIPLE COMBO. RUN TRIPLE COMBO T/ 6408'. TIH FOR CLEAN UP TRIP. PUMP SWEEP & CIRC CLEAN & SPOT 40 BBL HI VIS PILL ON BOTTOM. RU LD TRUCK AND LD DP & BHA. NOTIFIED CLARK MASSY BLM @ 8:00 AM 7/20/05 FOR CSG & CMT. RU CSG CREW AND RUN 5 1/2" CSG TO 6406'. RU CEMENT HEAD & CIRC WHILE RD CSG CREW. TEST CMT LINES T/ 3000 PSI AND CEMENT W/1572 SX 65/35 POZ & PVL. BUMPED PLUG 500 PSI OVER CIRC RATE, HELD 5 MINS & RELEASED PRESSURE. FLOAT HELD. CLEAN PITS. RELEASE RIG @ 1:30 PM 7/20/05.

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)*
Linda C. Stiles Title **Sr. Engineering Tech.**

Signature *Linda C. Stiles* Date **11/17/2005**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Office

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.

(Instructions on page 2)

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 WLU. PU & RIH with 3 3/8" expendable gamma gun with CCL loaded 4 spf, 120 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:

   6,200' to 6,210'

3. 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.

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

5. MIRU Schlumberger frac equipment and frac Brushy Canyon "C" sand as per frac design. Acidized perf 6200'-10' w/ 1000 gal 15% HCL acid/ frac w/ 899 bbls 25# cross link gel w/ 61,797# sand. ISIP 4400# job screened out w/ 40 bbls flush to pmp.

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

7. NU lubricator and RIH with CCL and 5 ½" CIBP. RIH and set CIBP @ 6,000'. POOH.

8. PU & RIH with 3 3/8" expendable gun (no gamma needed) with CCL loaded 4 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):

   5,910' to 5,920'

9. Frac Brushy Canyon "AA" sand as per frac design. Acidized perf 5910-20' w/ 1000 gal 15% NEFE HCL acid. Frac w/ 997 bbls 25# x-link gel w/ 63,800# Ottawa & resin sand. ISIP 1254#. 15 min SI. 904#. Avg rate 12.3 BPM. Avg psi 1018#.

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

11. RDMO frac equipment and WLU. Flow well to tank until it dies.

12. ND 5K WH. ND 5K frac vlv. NU 3K WH. NU BOP. GIH w/ 4-3/4" bit. 2-3-1/2" DC & 2-7/8" tbg. Tag fill @ 5920'. Clean out fill to CIBP @ 6000'. Drill out CIBP & push to PBTD @ 6319'. Circ holes clean. POOH w/ tbg. LD DC.

13. Hang well on, RDMO WO Rig. Build WH & hook up FL. Well Pmpg @ 5:15 PM 8/4/05.

INCLINATION REPORT

1. FIELD NAME	2. LEASE NAME
Herradura Bend Delaware, East	Teledyne 12 Fed. #3

3. OPERATOR
Range Resources

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

5. LOCATION (Section, Block, and Survey)
Sec 12, 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)
267	267	1.00	1.75	4.67	4.67
500	233	0.50	.87	2.02	6.69
994	494	1.00	1.75	8.64	15.33
1443	449	1.50	2.62	11.76	27.09
1951	508	2.00	3.49	17.72	44.81
2429	478	1.00	1.75	8.36	53.17
2913	962	2.00	3.49	33.57	86.74
3396	483	1.50	2.62	12.65	99.39
3875	479	0.75	1.31	6.27	105.66
4350	475	1.25	2.18	10.35	116.01
4832	482	1.50	2.62	12.62	128.63
5384	552	0.75	1.31	7.23	135.86
5858	474	1.00	1.75	8.29	144.15
6308	450	0.25	.44	1.98	146.13

Accumulative total displacement of well bore at total depth of 6408' 146.13 feet.

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

Signature of Authorized Representative	Signature of Authorized Representative
L.V. Bohannon	Linda C. Stiles
Name of Person and Title (type or print)	Name of Person and Title (type or print)
Adobe Drilling	Range Operating New Mexico Inc.
Name of Company	Name of Company
Telephone 432-552-5553 Area Code	Telephone 817/810-1908 Area Code

Certified By _____ *Date* _____

Rhonda Fulton

HALLIBURTON

DUAL LATEROLOG
MICRO-GUARD

COMPANY R.B. OPERATING
WELL TELEDYNE "12" FEDERAL No.3
FIELD EAST LOVING (BRUSHY CANYON)
COUNTY EDDY STATE NM

COMPANY R.B. OPERATING

WELL TELEDYNE "12" FEDERAL No.3

FIELD EAST LOVING (BRUSHY CANYON)

COUNTY EDDY STATE NM

API No. 30-015-33927
Location 2160' FNL & 990' FWL

Other Services
SDL/DSN

Sect 12 Twp 23S Rge 28E

Permanent Datum GROUND LEVEL Elev 2998
Log measured from K.B. , 17 above perm. datum
Drilling measured from KELLY BUSHING

Elev. : K.B. 3015
D.F. 3014
G.L. 2998

Date	19-JULY-05			
Run No.	ONE			
Depth – Driller	6408			
Depth – Logger	6402			
Bottom – Logged Interval	6399			
Top – Logged Interval	2500			
Casing – Driller	8.625 @ 307	@	@	@
Casing – Logger	295			
Bit Size	7.875			
Type Fluid in Hole	BRINE			
Dens. | Visc.	10 | 29	|	|	|
Ph | Fluid Loss	10 | N/C	|	|	|
Source of Sample	FLOW LINE			
Rm @ Meas. Temp.	.059 @ 74 F	@	@	@
Rmf @ Meas. Temp.	.059 @ 74 F	@	@	@
Rmc @ Meas. Temp.	N/A @ N/A	@	@	@
Source Rmf | Rmc	MEAS | N/A	|	|	|
Rm @ BHT	0.036 @ 126 F	@	@	@
Time Since Circ.	0230 07/19			
Time on Bottom	0740 07/19			
Max. Rec. Temp.	126 F @ 6402	@	@	@
Equip. | Location	582 | HOBBS	|	|	|
Recorded By	J. MOUNT			
Witnessed By	M. METCALF			

Fold Here

HALLIBURTON

DUAL–SPACED NEUTRON SPECTRAL DENSITY

COMPANY R.B. OPERATING
WELL TELEDYNE "12" FEDERAL No.3
FIELD EAST LOVING (BRUSHY CANYON)
COUNTY EDDY STATE NM

COMPANY R.B. OPERATING

WELL TELEDYNE "12" FEDERAL No.3

FIELD EAST LOVING (BRUSHY CANYON)

COUNTY EDDY STATE NM

API No. 30–015–33927
Location 2160' FNL & 990' FWL

Sect 12 Twp 23S Rge 28E

Other Services
DLL/MGRD

Permanent Datum GROUND LEVEL Elev 2998

Log measured from K.B. 17 above perm. datum

Drilling measured from KELLY BUSHING

Elev.: K.B. 3015
D.F. 3014
G.L. 2998

Date	19–JULY–05			
Run No.	ONE			
Depth – Driller	6408			
Depth – Logger	6402			
Bottom – Logged Interval	6345			
Top – Logged Interval	200			
Casing – Driller	8.625 @ 307	@	@	@
Casing – Logger	295			
Bit Size	7.875			
Type Fluid in Hole	BRINE			
Dens. | Visc.	10 | 29	|	|	|
Ph | Fluid Loss	10 | N/C	|	|	|
Source of Sample	FLOW LINE			
Rm @ Meas. Temp.	.059 @ 74 F	@	@	@
Rmf @ Meas. Temp.	.059 @ 74 F	@	@	@
Rmc @ Meas. Temp.	N/A @ N/A	@	@	@
Source Rmf | Rmc	MEAS | N/A	|	|	|
Rm @ BHT	0.036 @ 126 F	@	@	@
Time Since Circ.	0230 07/19			
Time on Bottom	0740 07/19			
Max. Rec. Temp.	126 F @ 6402	@	@	@
Equip. | Location	582 | HOBBS	|	|	|
Recorded By	J. MOUNT			
Witnessed By	M. METCALF			

Fold Here