Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., 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

NMOCD Original

Form C-103
June 23, 2006

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30 – 039 - 23051

5. Indicate Type of Lease STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
Salazar 'G' Com. 21

1. Type of Well: Oil Well ☒ Gas Well ☐ Other

8. Well Number #1

2. Name of Operator
RESOURCE DEVELOPMENT TECHNOLOGY, LLC (RDT)

9. OGRID Number **225774**

3. Address of Operator
PO BOX 1020, MORRISON, CO 80465

10. Pool name or Wildcat
Devil's Fork: Gallup

4. Well Location
Unit Letter: **'G'**: **1650'** feet from the **North** line and **1850'** feet from the **East** line
Section: **21** Township **25 North** Range **6 West** NMPM **Rio Arriba** County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
KB 6322' GL 6309'

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type_____ **Depth to Groundwater**_____ **Distance from nearest fresh water well**_____ **Distance from nearest surface water**_____

Pit Liner Thickness: _____ **mil** **Below-Grade Tank: Volume** _____ **bbls; Construction Material** _____

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☒	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
OTHER:	☐			OTHER:	☐		

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

RDT Does Propose to Plug & Abandon This Well As Follows:

1. WL Set CIBP above Gallup Perfs. (5708'-6071') @ 5650'. Bail 4 Sx. Portland Cement on Plug (1.18 CF/Sx.). TOC @ 5596'.
2. Abandon Gallup Fm. Top @ 5408': Perf. Squeeze Holes @ 5458'. Mechanically Set Cement Retainer @ 5408'. Mix & Pump 75 sx. Class 'C' Cement @ 1.32 CF/Sx. @ 14.8 PPG Yields 17.63 Bbl. Slurry (99 Cu. Ft. Cement) & Displace w/ 19.25 Bbl. FW. Squeezes 64.56 Sx. Cement Outside Casing: Covering 5249' to 5458': 209' & Leaving 10.44 Sx. Cement Inside Casing: Covering: 5300' to 5458'. SD Overnight. Tag Plug @ 5300' Next Day.
3. Abandon Mesaverde Fm. Top @ 3825' & Chacra Fm. Top @ 3110': Mix & Pump 60 sx.: Class 'C' Cement @ 1.32 CF/Sx. @ 14.8 PPG Yields 14.11 Bbl. Slurry (79.2 Cu. Ft. Cement) & Displace w/ 10 Bbl. FW. Balanced Plug Inside Casing: Covering: 2967' to 3875'. POOH. WOC 4 Hours. Tag Plug @ 2967'.
4. Abandon Pictured Cliffs Fm. Top @ 2240': Mix & Pump 12 sx.: Class 'C' Cement @ 1.32 CF/Sx. @ 14.8 PPG Yields 2.82 Bbl. Slurry (15.84 Cu. Ft. Cement) & Displace w/ 7 Bbl. FW. Balanced Plug Inside Casing: Covering: 2108' to 2290'. POOH. WOC Overnight. Tag Plug @ 2108' Next Day.
5. Abandon Fruitland Fm. Top @ 1950' & Kirtland Fm. Top @ 1795': Perf. Squeeze Holes @ 2000'. Mechanically Set Cement Retainer @ 1950'. Mix & Pump 75 sx. Class 'C' Cement w/ 1% CaCl2 @ 1.32 CF/Sx. @ 14.8 PPG Yields 17.63 Bbl. Slurry (99 Cu. Ft. Cement) & Displace w/ 3.60 Bbl. FW. Squeezes 54.91 Sx. Cement Outside Casing: Covering 1682' to 2000': 318' & Leaving 20.09 Sx. Cement Inside Casing: Covering: 1696' to 2000'. WOC 4 Hours. Tag Plug @ 1696'.
6. Abandon Ojo Alamo Fm. Top @ 1660': Perf. Squeeze Holes @ 1680'. Mechanically Set Cement Retainer @ 1630'. Mix & Pump 65 sx. Class 'C' Cement w/ 1% CaCl2 @ 1.32 CF/Sx. @ 14.8 PPG Yields 15.28 Bbl. Slurry (85.8 Cu. Ft. Cement) & Displace w/ 4.50 Bbl. FW. Squeezes 53.52 Sx. Cement Outside Casing: Covering 1370' to 1680': 310' & Leaving 11.48 Sx. Cement Inside Casing: Covering: 1506' to 1680'. WOC Overnight. Tag Plug @ 1506' Next Day.
7. Abandon Nacimiento Fm. Top @ 815': Perf. Squeeze Holes @ 865'. Mechanically Set Cement Retainer @ 815'. Mix & Pump 65 sx. Class 'C' Cement w/ 2% CaCl2 @ 1.32 CF/Sx. @ 14.8 PPG Yields 15.28 Bbl. Slurry (85.8 Cu. Ft. Cement) & Displace w/ 0.50 Bbl. FW. Squeezes 50.41 Sx. Cement Outside Casing: Covering 573' to 865': 292' & Leaving 14.59 Sx. Cement Inside Casing: Covering: 644' to 865'. WOC 4 Hours. Tag Plug @ 644'.
8. Abandon Surface Casing @ 233': Perf. Squeeze Holes @ 283'. Mechanically Set Cement Retainer @ 233'. Mix & Pump 80 sx. Class 'C' Cement OR AS MUCH AS IT TAKES @ 1.32 CF/Sx. @ 14.8 PPG to Circ. Good Cement out of the Braden-Head & Good Cement out of the Production Casing above the Retainer. POOH. Top fil casing to just below Casinghead. Cut - Off & Install NMOCD Dry-Hole Marker. Cut-Off Anchors & Restore Location.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.**

SIGNATURE [signature] TITLE Operations Manager DATE 06/23/2006

Type or print name R. A. Schwering, PE E-mail address: ras.rdt@mindspring.com Telephone No.: (303) 716-3200

For State Use Only

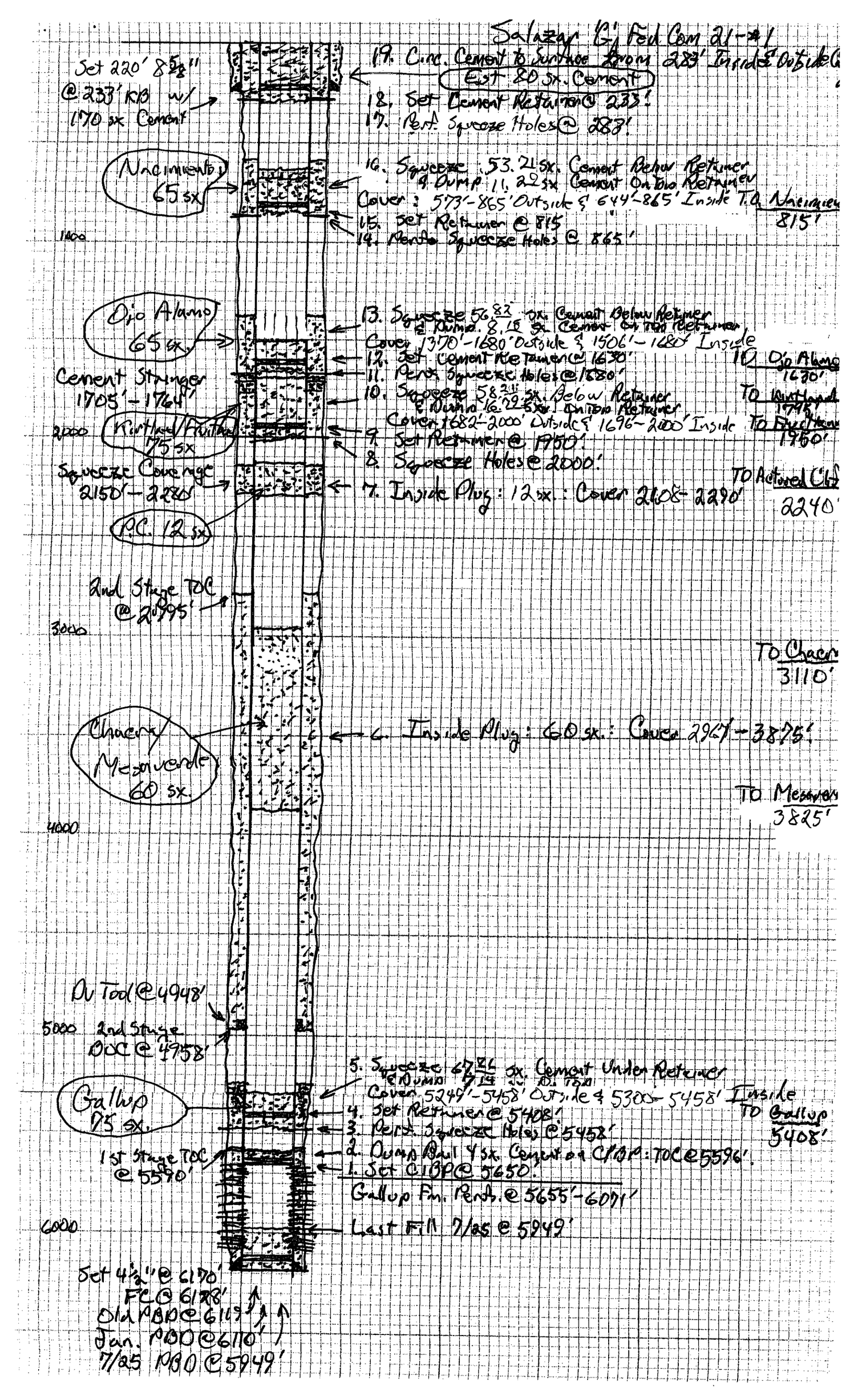
APPROVED BY: [signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE JUL 31 2006

Conditions of Approval (if any):

RA Schwering, PE: Operations Manager
PHONE: (303) 716-3200
FAX: (303) 716-5780
Colo. Cell: (303) 919-6826
NM Cell: (505) 947-3072

Mr. Arthur Sullivan: Pumper
Cell: (505) 320-1983
Home: (505) 632-9126

JUL 2006 RECEIVED OIL CONS. DIV. DIST. 3


Salazar G Fed Com 21-#1
Set 220' 8 5/8" @ 233' KB w/ 170 sx Cement
19. Circ. Cement to Surface from 283' Inside & Outside
Est 80 sx. Cement
18. Set Cement Retainer @ 233'
17. Perf. Squeeze Holes @ 283'
Nacimiento 65 sx
16. Squeeze 53.21 sx. Cement Below Retainer & Dump 1.1. 22 sx Cement On Top Retainer
Cover: 573'-865' Outside & 644'-865' Inside
15. Set Retainer @ 815
14. Perf. Squeeze Holes @ 865'
TO Nacimiento 815'
1000
Ojo Alamo 65 sx.
13. Squeeze 56.82 sx. Cement Below Retainer & Dump. 8.15 sx. Cement On Top Retainer
Cover 1370'-1680' Outside & 1506'-1680' Inside
12. Set Cement Retainer @ 1630'
11. Perf. Squeeze Holes @ 1680'
TO Ojo Alamo 1630'
Cement Stringer 1705'-1764'
10. Squeeze 58.21 sx. Below Retainer & Dump 16.29 sx. On Top Retainer
TO Kirtland 1748'
Kirtland/Fruitland 175 sx
2000
Cover 1682'-2000' Outside & 1696'-2000' Inside
TO Fruitland 1950'
9. Set Retainer @ 1950'
8. Squeeze Holes @ 2000'
Squeeze Coverage 2150'-2280'
7. Inside Plug: 12 sx.: Cover 2160'-2290'
TO Actual Ctf 2240'
P.C. 12 sx
2nd Stage TOC @ 2795'
3000
TO Chacra 3110'
Chacra/Mesaverde 60 sx.
6. Inside Plug: 60 sx.: Cover 2967'-3875'
TO Mesaverde 3825'
4000
DV Tool @ 4948'
5000
2nd Stage DOC @ 4958'
5. Squeeze 67.74 sx. Cement Under Retainer & Dump 7.14 sx. On Top
Cover 5249'-5458' Outside & 5300'-5458' Inside
Gallup 75 sx.
4. Set Retainer @ 5408'
TO Gallup 5408'
3. Perf. Squeeze Holes @ 5458'
1st Stage TOC @ 5590'
2. Dump Bail 4 sx. Cement on CIBP: TOC @ 5596'.
1. Set CIBP @ 5650'.
Gallup Fm. Perf. @ 5655'-6071'
6000
Last Fill 7/25 @ 5949'
Set 4 1/2" @ 6170'
FC @ 6128'
Old PBTD @ 6119'
Jan. PBTD @ 6110'
7/25 PBTD @ 5949'

Salazar 'G' Fed. Com. 21- #1: **Proposed Plug Sizes & Coverages:**

Top:	Depth:	TOOL:	Depth:	Hole:	OD Factor:	Sx. OD:	Cu. Ft.:	Annular	Squeeze	Top OD	ID Factor:	Sx. ID:	Cu. Ft.:	Inside	Top ID	Total	Cement	Yield:
					Cu.Ft./Ft.			Fill-Up:	Perfs. Or	Slurry:	Cu.Ft./Ft.			Fill-Up:	Slurry:	Sx.:	Type:	Cu. Ft.
									Spot Bottom:									Per Sx.
Gallup Perfs	5655-6071	CIBP	5650						5650		0.08720	4	4.72	54.12844	5596	4.00	Portland	1.18
Gallup	5408	CR	5408	9.75"	0.4080	64.56	85.2192	208.8506813	5458	5249	0.08720	10.44	13.7808	158.0367	5300	75.00	Class 'C'	1.32
Mesaverde	3825								3875		0.08720	60	79.2	908.2569	2967	60.00	Class 'C'	1.32
Chacra	3110																	
Pictured Cliffs	2240								2290		0.08720	12	15.84	181.6514	2108	12.00	Class 'C'	1.32
Fruitland	1950	CR	1950	7.875"	0.2278	54.91	72.485989	318.2055105	2000	1682	0.08720	20.09	26.51401	304.0598	1696	75.00	Class 'C'	1.32
Kirtland	1795																	
Ojo Alamo	1660	CR	1680	7.875"	0.2278	53.52	70.640391	310.1035361	1680	1370	0.08720	11.48	15.15961	173.8487	1506	65.00	Class 'C'	1.32
Nacimiento	815	CR	815	7.875"	0.2278	50.41	66.542576	292.1145825	865	573	0.08720	14.59	19.25742	220.842	644	65.00	Class 'C'	1.32
Surface Shoe	233	CR	233						283	Surface*						80.00	Class 'C'	1.32
																*Cement Volume As Needed To Circ. To Surface		
									4-1/2"	11.6#	0.08672	Cu. Ft./Ft.	ID					
									4-1/2"	11.6#	0.02372	Cu. Ft./Ft.	Wall	TOTAL Sx. Used =		436.00		
									4-1/2"	11.6#	3.98757	ID						

					Volume In Tubing	Sx. Below CR	Sx. In Tbg. Above CR	Bbl. Cement In Tbg	Displacement @ Sting-Out or @ Balance	Slurry Volume	Mix Water	Feet In & Out @ Balance	Slurry Volume Cu. Ft.		Balance Plug STOP Displace			
Gallup	5408	CR	5408	9.75"	20.93	3.3	7.14	1.68	19.25	17.63	11.25000		99				Class 'C'	1.32
Mesaverde	3825	0	3875		15.00				11.20	14.11	9.00000	981.6343573	79.2		10		Class 'C'	1.32
Pictured Cliffs	2240	0	2290		8.86				8.10	2.82	1.80000	196.3268715	15.84		7		Class 'C'	1.32
Fruitland	1950	CR	1950	7.875"	7.55	3.3	16.79	3.95	3.60	17.63	11.25000		99				Class 'C'	1.32
Ojo Alamo	1660	CR	1680	7.875"	6.42	3.3	8.18	1.92	4.50	15.28	9.75000		85.8				Class 'C'	1.32
Nacimiento	815	CR	815	7.875"	3.15	3.3	11.29	2.65	0.50	15.28	9.75000		85.8				Class 'C'	1.32

RESOURCE DEVELOPMENT TECHNOLOGY LLC

July 27, 2006

AFE RDT-0021

Plug & Abandon Procedure
Or P&A Well
Salazar 'G' Fed. Com. 21- #1
API #: 30-039-23051
1650' FNL & 1850' FEL, Unit G
Section 21, T. 25 N., R. 6 W., Rio Arriba County, NM

CASING DETAILS: 4-1/2" 11.6# K-55 8rd. ST&C Casing: Surf. to 6170'.
FC @ 6128". PBD @ 5949' (7/2006) & Prev. 6110' (1/2006).

CEMENTING DETAIL:
TOC: 1st Stage: 5590': CBL
200 sx. Class 'H' Cement + 2% Gel: @ 1.22 cf/sx @ 15.4 PPG.
Holiday: 5590' to 4960'.
Stage Collar: 4448' – 4450'.
TOC: 2nd Stage: 2795': CBL.
Tail Slurry: 100 sx. Class 'H' Cement + 2% Gel: @ 1.22 cf/sx @ 15.4 PPG.
Lead Slurry: 700 sx. of Class 'B' + 2% Na-Meta-Sillicate @ 2.06 cf/sx @ 12.5 PPG
Holiday: 2795' to 2280'.
Squeeze Cement @ Split Casing: 2,280' to 2,150': CBL.
3 Squeezes: 130 sx. (50+50+30) Class 'H' Cement + 1% CaCl2: @ 1.05 cf/sx @ 16.4 PPG.

COMPLETION DETAILS:
Upper Gallup: 5708' - 5780': 22 Holes:
5708'-5714': 4 Holes: 1SP2F
5721'-5729': 5 Holes: 1SP2F
5753'-5765': 7 Holes: 1SP2F
5776'-5780': 3 Holes: 1SP2F
Spot 250 Ga. 15% HCl & Break Down Individual Perfs. Pre-Frac
Frac w/ 42.8k# 20/40 Mesh Sand + 770 STBO

Middle Gallup: 5859' - 5928': 20 Holes:
5859'-5871': 7 Holes: 1 SP2F
5884'-5900': 9 Holes: 1 SP2F
5922'-5928': 4 Holes: 1 SP2F
Spot 250 Ga. 15% HCl & Break Down Individual Perfs. Pre-Frac
SCREEN-OUT Frac w/ 33k# 20/40 Mesh Sand + 1.1 MMCF N2 + 317 BW 2% Slick KCl

Lower Gallup: 5987' - 6071': 23 Holes:
5987'+5989'; 5996'+5998'; 6003'+6005': 6 Holes: 1 SP2F
6019'-6027': 5 Holes: 1 SP2F
6033'-6043': 6 Holes: 1 SP2F
6061'-6071': 5 Holes: 1 SP2F
Spot 250 Ga. 15% HCl & Break Down Individual Perfs. Pre-Frac
Frac w/ 121k# 20/40 Mesh Sand + 2.875 MMCF N2 + 723 BW 2% Slick KCl

History: Hole In Casing: @ Unknown Depth.
Holes in Tubing: 1992 + 1996
Clean-Out Fill to PBD : 1997.
KB =11': Bottom @ 6092'.

PO BOX 1020 • MORRISON. CO • 80465 USA
PHONE: 303-716-3200 • FAX: 303-716-5780

ALWAYS HAVE A SEATING NIPPLE ON THE TUBING.

THIS WELL HAS HAD TRACE AMOUNTS OF H2S AT THE SURFACE.

HAVE H2S SAFETY & FIRE PREVENTION SAFETY ADDRESSED DAILY IN SAFETY MEETINGS WHILE WORKING ON THIS WELL.

1. RU A-Plus WL Unit. Safety Meeting. RIH & Set CIBP @ 5650': Isolate Gallup Perfs.
   NOTE: DV Tool @ 4947' – 4950' & Collars @ 5672' & 5632'.
   Dump Bail 4 Sx. Portland Cement (Yield 1.18 CF/Sx.) on CIBP: Est TOC @ 5596'.
   Perforate 3 Squeeze Holes @ 5458' (50' Below TO Gallup Fm. @ 5408').
   RD WL Unit.

2. PU Cement Retainer on Tubing & RIH & Set Tool @ 5408' (Avoid Collars @ 5391' & 5431'). Sting-Out of Retainer & Circ. 1 Barrel or enough to confirm circulation.
   Sting-In & Est. Injection Rate & Pressure.
   Discuss FINAL Procedure with RAS after determining Injection Rate & Pressure.

   COVER GALLUP FM. TOP @ 5408':
   Hold a Final Safety & Planning Meeting. Current Plan:
   Sting-Out & Mix & Pump 14 Bbl. of Class 'C' Cement & Sting-In to Retainer & Fin. Mix & Pump Remaining 3.63 Bbl. Class 'C' Cement (Total of 75 sx. Class 'C' Cement: 17.63 Bbl. of Slurry @ 14.8 PPG @ 1.32 CF/Sx. = 99 Cu. Ft. Cement: Requires 11.25 Bbl. Mix Water).

   Displace w/ 19.25 Barrels of Fresh Water & Sting-Out Leaving 7.14 sx. Cement (108' Cement: Est. Top @ 5300') Above Cement Retainer w/ 3.30 sx. Cement Inside Casing Below Retainer @ 5408' to Squeeze Holes @ 5458' & **Est. 64.56 sx. Cement Outside Casing Est. @ 5249' to 5458' (209' of Coverage: 50' Below & 159' Above TO Gallup Fm.: Based on Calipered 9.75" OD Hole from Density Log in Hole-Casing Annulus).**

   POOH. Wait till next morning.

3. RIH & Tag Plug @ 5300'. LD Tubing to 3875' or slightly deeper.
   Circ. 1 Barrel or enough to confirm circulation.

   FINISH COVER MESAVERDE FM. TOP @ 3825' &
   CHACRA FM. TOP @ 3110':
   Hold a Final Safety & Planning Meeting.
   Mix & Pump 60 sx. Class 'C' Cement (14.1 Bbl. Slurry @ 14.8 PPG @ 1.32 CF/Sx. = 79.2 Cu. Ft. Cement: Requires 9 Bbl. Mix Water). **Cover Inside 2967' to 3875'.**

   Displace with 10 Bbl. Fresh Water & POOH. **Wait 4 Hours.**

4. RIH & Tag Plug @ 2967'. LD Tubing to 2290' or slightly deeper.
   Circ. 1 Barrel or enough to confirm circulation.

   FINISH COVER PICTURED CLIFFS FM. TOP @ 2240':
   Hold a Final Safety & Planning Meeting.
   Mix & Pump 12 sx. Class 'C' Cement (2.82 Bbl. Slurry @ 14.8 PPG @ 1.32 CF/Sx. = 15.84 Cu. Ft. Cement: Requires 1.5 Bbl. Mix Water). **Cover Inside 2108' to 2290'.**

   Displace with 7 Bbl. Fresh Water & POOH. **Wait till next morning.**

5. RIH w/ Tubing & Tag Plug @ 2108'. POOH.

6. RU A-Plus WL Unit. Safety Meeting. Perforate 3 Squeeze Holes @ 2000' (50' Below TO Gallup @ 5408'). RD WL Unit.

7. PU Cement Retainer on Tubing & RIH & Set Tool @ 1950' (Avoid Collars @ 1930' & 1970'). Sting-Out of Retainer & Circ. 1 Barrel or enough to confirm circulation. Sting-In & Est. Injection Rate & Pressure.
Discuss FINAL Procedure with RAS after determining Injection Rate & Pressure.

COVER FRUITLAND FM. TOP @ 1950' & KIRTLAND FM. TOP @ 1795':
Hold a Final Safety & Planning Meeting. Current Plan:
Sting-Out & Mix & Pump 14 Bbl. of Class 'C' Cement w/ 1% CaCl2 & Sting-In to Retainer & CHAIN DOWN TUBING & Fin. Mix & Pump Remaining 3.63 Bbl. Class 'C' Cement (Total of 75 sx. Class 'C' Cement w/ 1% CaCl2: 17.63 Bbl. of Slurry @ 14.8 PPG @ 1.32 CF/Sx. = 99 Cu. Ft. Cement: Requires 11.25 Bbl. Mix Water).

Displace w/ 3.60 Barrels of Fresh Water & Sting-Out Leaving 16.85 sx. Cement (304' Cement: Est. Top @ 1696') Above Top of Retainer w/ 3.30 sx. Cement Inside Casing Below Retainer @ 1950' to Squeeze Holes @ 2000' & **Est. 54.91 sx. Cement Outside Casing Est. @ 1682' to 2000' (318' of Coverage: 50' Below TO Fruitland Fm. & 112' Above TO Kirtland Fm. Outside Casing: Based on 7.875" OD Hole).**

POOH. Wait 4 Hours. RIH & LD Excess Tubing out of Derrick.

8. RIH & Tag Plug 1696'. POOH.

9. RU A-Plus WL Unit. Safety Meeting. Perforate 3 Squeeze Holes @ 1680'(20' Below TO Ojo Alamo Fm. @ 1660' & 15' above Inside Plug). RD WL Unit.

10. PU Cement Retainer on Tubing & RIH & Set Tool @ 1630' (Avoid Collars @ 1608' & 1648'). Sting-Out of Retainer & Circ. 1 Barrel or enough to confirm circulation. Sting-In & Est. Injection Rate & Pressure.
Discuss FINAL Procedure with RAS after determining Injection Rate & Pressure.

COVER OJO ALAMO FM. TOP @ 1660':
Hold a Final Safety & Planning Meeting. Current Plan:
Sting-Out & Mix & Pump 13 Bbl. of Class 'C' Cement w/ 1% CaCl2 & Sting-In to Retainer & CHAIN DOWN TUBING & Fin. Mix & Pump Remaining 3.46 Bbl. Class 'C' Cement (Total of 65 sx. Class 'C' Cement w/ 1% CaCl2: 15.28 Bbl. of Slurry @ 14.8 PPG @ 1.32 CF/Sx. = 85.8 Cu. Ft. Cement: Requires 9.75 Bbl. Mix Water).

Displace w/ 4.50 Barrels of Fresh Water & Sting-Out Leaving 8.18 sx. Cement (154' Cement: Est Top @ 1506') Above Retainer w/ 3.30 sx. Cement Inside Casing Below Retainer @ 1630' to Squeeze Holes @ 1680' & **Est. 53.52 sx. Cement Outside Casing @ 1370' to 1680' (310' of Outside Coverage: 20' Below TO Ojo Alamo Fm. & 290' Above TO Ojo Alamo Fm. Outside Casing: Based on 7.875" Hole).**

POOH. Wait till next morning.

11. RIH & Tag Plug @ 1506'. LD Tubing to 815'.

12. RU A-Plus WL Unit. Safety Meeting. Perforate 3 Squeeze Holes @ 865' (50' Below TO Nacimiento Fm. @ 1660'). RD WL Unit.

13. PU Cement Retainer on Tubing & RIH & Set Tool @ 815' (Avoid Collar @ 805'). Sting-Out of Retainer & Circ. 1 Barrel or enough to confirm circulation. Sting-In & Est. Injection Rate & Pressure. Discuss FINAL Procedure with RAS after determining Injection Rate & Pressure.

    COVER NACIMIENTO FM. TOP @ 815':
    Hold a Final Safety & Planning Meeting. Current Plan:
    Sting-In Retainer & CHAIN DOWN TUBING & Mix & Pump 15.28 Bbl. Class 'C' Cement (Total of 65 sx. Class 'C' Cement w/ 2% CaCl2: 15.28 Bbl. of Slurry @ 14.8 PPG @ 1.32 CF/Sx. = 85.8 Cu. Ft. Cement: Requires 9.75 Bbl. Mix Water).

    Displace w/ 0.5 Barrels of Fresh Water & Sting-Out Leaving 11.29 sx. Cement (171' Cement: Est. Top @ 644') Above Retainer w/ 3.30 sx. Cement Inside Casing Below Retainer @ 815' to Squeeze Holes @ 865' & **Est. 50.41 sx. @ 573' to 865' (292' of Outside Coverage: 50' Below TO Nacimiento Fm. & 242' Above TO Nacimiento Fm. Outside Casing: Based on 7.875" Hole).**

    POOH. Wait 4 Hours.

14. RIH & Tag Plug @ 644'. LD Tubing to 288'.

15. RU A-Plus WL Unit. Safety Meeting. Perforate 3 Squeeze Holes @ 283' (50' Below Reported Surface Casing Shoe). RD WL Unit.

16. PU Cement Retainer on Tubing & RIH & Set Tool @ 233' (Avoid Collar @ 242'). Sting-Out of Retainer & Circ. 1 Barrel or enough to confirm circulation. Sting-In & Est. Circulation. Discuss FINAL Procedure with RAS after determining Injection Rate & Pressure.

    FILL CASING ANNULUS AND ID TO SURFACE COMPLETELY FROM 283':
    Hold a Final Safety & Planning Meeting. Current Plan:
    Sting-In Retainer & CHAIN DOWN TUBING & Mix & Pump Class 'C' Cement until Good Cement Returns out Braden-Head. Sting-Out and POOH. Wash Pump & Lines to Pits. NDBOPE. RIH & Circ. Cement to Surface. POOH & LD Remaining Tubing. Top Fill Casing.

    Est. 80 sx. Class 'C' Cement: 18.80 Bbl. of Slurry @ 14.8 PPG @ 1.32 CF/Sx. = 105.6 Cu. Ft. Cement: Requires 12 Bbl. Mix Water).

RD MO PU. Have Welder Cut-Off Anchors & Casing below Surface Casing Flange. Install P&A Marker to comply with NMOCD Regulations. Finish Location Reclamation.

RA Schwering
Operations Manager @ RDT