submitted in lieu of Form 3160-5

## UNITED STATES DEPARTMENT OF THE INTERIOR

## **BUREAU OF LAND MANAGEMENT**

AUG 14 2009

Buredy of Land Character's Farmington Field Wince

	Sundry Notices and Reports on Wells		
1.	Type of Well	5. 6.	Lease Number SF 079037 If Indian, All. or
	GAS		Tribe Name
2.	Name of Operator  BURLINGTON  RESCURCES OIL & GAS COMPANY LP	7.	Unit Agreement Name
3.	Address & Phone No. of Operator	8.	Well Name & Number Hale #1
	P.O. Box 4289, Farmington, NM 87499	9.	API Well No.
4.	Location of Well, Footage, Sec., T, R, M	10.	30-045-10356 Field and Pool
	Unit A (NENE), 990' FNL & 1190' FEL, Section 27, T31N, R8W, NMPM		Blanco MV
/	e general de la composition de la comp	11	County and State San Juan Co., NM
12	CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT,  Type of Submission  X Notice of Intent  Recompletion Subsequent Report Plugging Casing Repair Final Abandonment Altering Casing Conversion to Injection		DATA er <u>P&amp;A &amp; MIT</u>
13	. Describe Proposed or Completed Operations		
Bu	rlington Resources wishes to run a MIT and P&A this well per the attached procedures and	d well bore	schematics.
14. I hereby certify that the foregoing is true and correct.		ROVD AUG 19'09 OIL CONS. DIV. DIST. 3	
Sig	gned North Der Rhonda Rogers Title Staff Regi	ulatory Tec	chnician Date 8/12/09.
AI CC Tule	his space for Federal or State Office use)  PPROVED BY Original Signed: Stephen Mason Title  DNDITION OF APPROVAL, if any:  18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.		DateAUS 1 8 2503

### ConocoPhillips Hale #1 (MV) P&A Mesa Verde

Lat 36° 52' 26.159" N Long 107° 39' 27.119" W

PBTD: 5578' KB: 8'

#### PROCEDURE:

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class B, mixed at 15.6 ppg with a 1.18 cf/sx yield.

- 1. An MIT must be performed on the 5-1/2" casing on the squeezes located at 1950'-2551' & 844'-1358'. PU and RIH with 5-1/2" RBP, 2-3/8" tubing joint, 5-/1/2" packer and tubing joints. Set RBP at 2610'. Sting out to set packer and pressure test w/ 500psi for 10 minutes. Unset packer and test casing to 500psi for 30 min on a 2 hour chart.
- 2. This project requires a NMOCD C-144 CLEZ Closed-Loop System Permit for the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.
- 3. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.
- 4. Rods: Yes X , No \_\_\_\_, Unknown \_\_\_\_; Type: Corod \_\_\_\_\_\_, Unknown \_\_\_\_\_, Size \_2.1/16" , Length \_\_\_\_\_\_, Length \_\_\_\_\_\_, Packer: Yes \_\_\_\_\_, No \_\_\_\_\_, Unknown \_\_\_\_\_, Type \_\_\_\_\_\_. If this well has rods or a packer, then modify the work sequence in step #2 as appropriate. TOH with the tubing and tally.
- 5. Plug #1 (Mesaverde perforations, top and 5.5" casing shoe, 5060' 4783'): Round trip 3.5" gauge ring or casing scraper to 5060'. RIH and set 3.5" cement retainer at 5060'. Pressure test the 3.5" and 5.5" casings to 800 PSI. If the casing does not test, then spot or tag the subsequent plugs as appropriate. Mix 15 sxs Class B cement and spot a balanced plug inside casing. TOH with tubing.
- 6. Plug #2 (3.5" liner top, 4526' 4426'): Perforate 2 bi-wire squeeze holes at 4488'. Establish an injection rate into the squeeze holes. Mix 17 sxs Class B cement, squeeze 1 sx outside the 3.5" liner and leave 16 sxs inside to cover the 3.5" liner top. TOH with tubing.

3994' 3894

- 7. Plug #3 (Chacra top, 3940' 3840'): Round trip 5.5" casing scraper or gauge ring to 3940'. Perforate 3 HSC holes at 3940'. Establish an injection rate into the squeeze holes. TIH and set a 5.5" CR at 3894'. Mix 60 sxs Class B cement, squeeze 43 sxs outside the casing and leave 17 sxs inside to cover the Chacra top. TOH with tubing.
- 8. Plug #4 (Pictured Cliffs and Fruitland tops, 3265' 2838'): Perforate 3 HSC holes at 3265'. Establish an injection rate into the squeeze holes. TIH and set a 5.5" CR at 3215'. Mix 237 sxs Class B cement, squeeze 183 sxs outside the casing and leave 54 sxs inside to cover the Pictured Cliffs and Fruitland tops. TOH with tubing.

9. Plug #5 (Kirtland and Ojo Alamo tops, 2163' – 1945'): Perforate 3 HSC holes at 2163'. Establish an injection rate into the squeeze holes. TIH and set a 5.5" CR at 2113'. Mix 96 sxs Class B cement, squeeze 65 sxs outside the casing and leave 31 sxs inside to cover the Kirtland and Ojo Alamo tops. TOH.

718 618 718

- 10. Plug #6 (Nacimiento top, 746' 646'): Perforate 3 HSC holes at 746'. Establish an injection rate into the squeeze holes. TIH and set a 5.5" CR at 696'. Mix 60 sxs Class B cement, squeeze 43 sxs outside the casing and leave 17 sxs inside to cover the Nacimiento top. TOH and LD tubing.
- 11. Plug #7 (Surface plug, 245' Surface): Perforate 3 HSC holes at 245'. Mix and pump approximately 120 sxs cement down the 5.5" casing until good cement returns out casing annulus and bradenhead. Shut in well and WOC.
- 12. ND BOP and cut off casing below surface casing flange. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

#### Current Schematic ConocoPhillips -Well Name: HALE #1 3004510356 BLANCO MESAVERDE (PRORAT #0. 027-031N-008W-A **NEW MEXICO** KB-Ground Distance (ft) | KB-Casing Flange Distance (ft) | 6:319.00 Ground Elevation (ft) Original KB/RT-Elevation (ff) KB-Ground Distance (fl) CB-Tubing Hanger Distance (ft) 6,319.00 6,319.00 Polished Rod, 22.0ft Pony Rod. 2 Oft Surface Casing Cement, 8-195, 7/8/1952, Cemented w/ 100 sx 0 cement. Cement cliculated to surface w/ 75% eff. Surface, 10 3/4in, 10 192in, 8 ft/8, 195 ft/6 Cement Squeeze, 1,098-1,130, 3/17/2005, Isolate leaks in csg between 1098'-1130'. Cemented w/150 sx Type III Portland cement also 1/2 berrel of 300 psi micro annular gel CEMENT SQUEEZE, 1,261-1,358, 7/23/2008, PUMP CEMENT SQUEEZE AS FOLLOWS: محراء بالمحارف ألأفحم اللاف بكيلم السابلات فسالكم سائين 8 OF 1.7 BPM @ 728 PSI PUMP 100 SKS OF CLASS G W/ 2% HALAD-344, PUMPED 21 BBLS 23 @ 2 BPM W/ 890 PSI WASH PUMPS AND LINES TO FLOWBACK TANK W/ SUGAR MIXED 25 WATER FROM PUMP TRUCK IN 1 HOUR & 19 MINUTES DECISION WAS MADE TO DISPLACE FIRST SQUEEZE AND PUMP 194 SECOND SQUEEZE PUMP CEMENT SQUEEZE #2 AS FOLLOWS 195 RBP @ 1422', PACKER @ 1123' PRESSURE UP BACKSIDE TO 500PSI, ESTABLISH INJECTION RATE OF 1.7 BPM @ 728 PSI Holes from (1261'-1358') on the 5 PUMP 50 SKS OF CLASS G W/1% VERSASET, PUMPED 10 BBLS 347 @ 1 7 BPM W/ 1030 PSI 1/2" casing, squeezed w/ 250 sxs WASH PUMPS AND LINES TO FLOWBACK TANK W/ SUGAR MIXED of cement, but still leaking Holes from (2467'-2498') on the 5 1,300 DISPLACE WITH 4 5 BBLS @ 5 BPM W/ 952 PSI AFTER DISPLACING WATER 5 BBLS BELOW PACKER CEMENT 1/2" casing, squeezed w/ 250 sxs AF LER DISPLACING WATER 5 BELS BELOW PACKET CEMENT LOCKED UP. RELEASE PACKER PULL UP 2 STANDS AND REVERSE CIRCULATE 12 BBLS OF WATER TO CLEAR PACKER OF ANY CEMENT. SET PACKER PRESSURE UP ON WELL TO 1300PSI, SHUT WELL IN of cement, but still leaking 2,500 Tubing, 2 1/16in, 3 25lbs/ft, J-55, 8 ftKB, 5,369 ftKB CEMENT SQUEEZE, 844-1,370, 7/23/2008, SPOT BALANCED PLUG 3,215 Pictured Cliffs, 3,215 MIX AND PUMP 50 SXS OF TYPE 3 CMT W/ 2/10% HALAD-322 DISPLACE W/ 2.5 BBLS FRESH WATER BEFORE CEMENT LOCKED 4,192 CEMENT SQUEEZE, 2,331-2,551, 7/23/2008, PUMP CEMENT SQUEEZE #4 AS FOLLOWS RBP @ 2587', PACKER @ 2331' 4,432 PRESSURE UP BACKSIDE TO 500PSI, NO INJECTION RATE, TUBING ON VACUME PUMP 250 SKS OF CLASS G W/1% VERSASET, PUMPED 50 BBLS 4,469 @ 1 7 BPM W/ 200 PSI WASH PUMPS AND LINES TO FLOWBACK TANK W/ SUGAR MIXED DISPLACE WITH 11 BBLS @ 2 BPM W/ 200 PSI AFTER DISPLACING CEMENT WELL WAS ON A VACUME, SHUT IN TUBING 4,475 DID NOT HAVE ANY CEMENT IN CASING TO DRILL OUT CEMENT SQUEEZE, 1,950-2,551, 7/23/2008, SPOT BALANCED PLUG, SQUEEZE #5 AS FOLLOWS: 4,609 MIX AND PUMP 50 SXS OF TYPE 3 CMT W/ 0 2% HALAD-322, DISPLACE W/ 7 BBLS FRESH WATER 4.643 HESITATE 11 TIMES UPTO 500 PSI EACH TIME, PUMP PPROXIMATELY 1 BBL. Corod (semi-elliptical), 5,335 0ft Whipstock, 4,609-4,643 Cement Retainer, 4,643-4,648 4,648 Intermediate Cosing Cement, 3,945-4,933, 8/1/1952, Cemented w/ 225 sx cement TOC @ 3945' (TS) - Intermediate, 5 1/2in, 4.825in, 8 ftKB, 4,833 ftKB 4,832 Liner Cenent, 4,490-5,690, 6/20/1970, Cemented w/ 60 sx Class 50/50 poz followed by 50 sx Class A cenent . TOC @ 4490' (CEL.) Liner, 3 1/2n, 3.068n, 4,469 ftKB, 5,690 ftKB 4,833 4,919 SNG Fracture, 9/28/1952, Set SNG bomb and frac'd OH from 4919'-5747' w/ 1780 gts SNG 5,747 TD (Onginal Hole), 5,750, Cement Plug, 4,648-5,750, 6/17/1970, Squeezed OH w/ 300 sx 5,750 9/28/1952

Report Printed: 7/31/2009

#### Current Schematic ConocoPhillips Well Name: HALE #1-Freid Name BLANCO MESAVERDE (PRORAT #0 Surface Legal Location 3004510356 027-031N-008W-A NEW MEXICO Ground Elevation (ft) | Original KD/RT Elevation (ft) | KB-Ground Distance (ft) | KB-Casing Flange Distance (ft) | KB-Tubing Hanger Distance (ft) | 6,319.00 | 6,319.00 | 6,319.00 | Well Config: - Sidetrack 1, 7/31/2009 9:28:39/AM #ftKB (MD) Polished Rod, 22 Oft n Surface Casing Cement, 8-195, 7/8/1952, Cemented w/ 100 sx cement Cement circulated to surface w/ 75 % eff Surface, 10 3/4in, 10 192in, 8 flKB, 195 flKB 1 Cement Squeeze, 1.098-1.130, 3/17/2005, Isolate leaks in osq Cement agreese. 1008-1150 y. Cemented w/ 150 ps. Type III Portland cement also 12 barrel of 300 psi mioro annular gel CEMENT SQUEEZE. 1281-1,358, 7/23/2008, PUMP CEMENT SQUEEZE AS FOLLOWS. 8 23 RBP @ 1422', PACKER @ 1123' PRESSURE UP BACKSIDE TO 600PSI, ESTABLISH INJECTION RATE OF 17 BPM @ 728 PSI PUMP 100 SKS OF CLASS 6 W 24 HALAD-344, PUMPED 21 BBLS @ 2 BPM W 830 PSI 25 194 Holes from (1261'-1358') on the 5 WASH PUMPS AND LINES TO FLOWBACK TANK W/ SUGAR MIXED 195 1/2" casing, squeezed w/ 250 sxs of cement, but still leaking Holes from (2467'-2498') on the 5 DISPLACE WITH 4.5 BBLS @ 1 BPM W 900PSI HESITATE SQUEEZE TO 300 PSI, PRESSURE WOULD DROP TO 0 PSI IN MINUTES, LET WELL GO DN VACUME, SUCKED 1 75 BBLS OF WATER FROM PUMP TRUCK IN 1 HOUR & 19 MINUTES 347 1/2" casing, squeezed w/ 250 sxs 1,300 DECISION WAS MADE TO DISPLACE FIRST SQUEEZE AND PUMP of cement, but still leaking Tubing, 2 1/16in, 3 25lbs/ft, J-55, 8 2,500 PUMP CEMENT SQUEEZE #2 AS FOLLOWS ftKB, 5,369 ftKB RBP @ 1422, PACKER @ 1123' PRESSURE UP BACKSIDE TO 500PSI, ESTABLISH INJECTION 3,215 Pictured Cliffs, 3,215 PARES OF 17 DPM @ 728 PSI PUMP 60 SKS OF CLASS 6 W/ 1% VERSASET, PUMPED 10 BBLS 4,192 @ 17 BPM W/ 1030 PSI WASH PUMPS AND LINES TO FLOWBACK TANK WI SUGAR MIXED 4.432 DISPLACE WITH 4.5 BBLS @ 5 BPM W 952 PSI AFTER DISPLACING WATER-5 BBLS BELOW PACKER CEMENT LOCKED UP 4,469 RELEASE PACKER PULL UP 2 STANDS AND REVERSE 4,475 CIRCULATE 12 BBLS OF WATER TO CLEAR PACKER OF ANY 4,609 SET PACKER PRESSURE UP ON WELL TO 1300PSI; SHUT WELL IN CEMENT SOUBEZE, 844-1,370, 7,23/2008, SPOT BALANCED PLUG 4,920 Chacra, 4,920 AS FOLLOWS Hydraulic Fracture, 6/22/1970. 5,110 Frac'd w/ 64,600 gals water, MIX AND PUMP 50 SXS OF TYPE 3 CMT W/2/10% HALAD 322, DISPLACE W/2.5 BBLS FRESH WATER BEFORE CEMENT LOCKED 50,000# 20/40 sand, 20,600# 5,226 10/20 sand CEMENT SQUEEZE 2:331-2:551, 7/23/2008, PUMP CEMENT CEMENT SQUEZZE, 2,331-2,501, 7/23/2008, PUMP CEMENT SQUEZZE #A AS FOLLOWS RBP @ 2567; PACKER @ 2331\* PRESSURE UP BACKSIDE TO 500PSI, NO INJECTION RATE, TUBING ON VACUME 5,360 5,361 PUMP 250 SKS OF CLASS G W/ 1% VERSASET, PUMPED 50 5,369 BBLS @ 17 BPM W/200 PS -NIPPLE 1 53, 2 1/16in, 3 25lbs/ft, WASH PUMPS AND LINES TO FLOWBACK TANK W/ SUGAR MIXED J-55, 5,369 ftKB, 5,370 ftKB 5,370 .... DISPLACE WITH 11 BBLS @ 2 BPM W 200 PSI AFTER DISPLACING CEMENT WELL WAS ON A VACUME, SHUT IN PGA-1 MUD ANCHOR, 2 1/16in, 5,385 3 25lbs/ft, J-55, 5,370 ftKB, 5,402 DID NOT HAVE ANY CEMENT IN CASING TO DRILL OUT ftKB CEMENT SQUEEZE, 1,850-2,551, 7/23/2008, SPOT BALANCED PLUG, SQUEEZE #5 AS FOLLOWS: 5,397 Tubing, 2 1/16in, 3 25lbs/ft, J-55. MIX AND PUMP 50 SXS OF TYPE 3 CMT W/O 2% HALAD-322, DISPLACE W/7 BBLS FRESH WATER HESITATE 11 TIMES UPTO 500 PSI EACH TIME, PUMP APPROXIMATELY 1 BBL Corod (semi-elliptical), 5,335.0ft 5,402 5,402 ft/R, 5,433 ft/KB, 5,433 ft/KB, 5,433 ft/KB, 5,434 ft/KB, 5,435 ft/KB, 5,435 ft/KB, 5,435 ft/KB, 5,435 ft/KB, 5,435 ft/KB, 5,435 ft/KB 5,433 -Corod (semi-elliptical), 6,339.0ft | Winlipstod, 4,909-4,843| | Intermediate Casing Cement, 3,945-4,833, 8/1/1052, Cemented w/ 225 sx.cement. TOC @3946\*(TS) | Intermediate, 5 1/2n, 4825in, 8 RKB, 4,833 RKB | Mesaverds, 5,1105.228, 6,722/1970| | Shear Coupling 21K, 0.86\*(8) 5,434 5,435 ftKB 5,434 Hydraulic Fracture, 6/22/1970, Frac'd w/ 68,000 gals water, 5,442 40,000# 10/20 sand 20,000# GUIDED ROD 3/4" X 2 1/2", 8 0ft 20/40 sand 5,465 Point Lookout, 5,465 PBTD (Sidetrack 1), 5,578, New Gas Anchor/Dip Tube, 12.0ft Mesaverde, 5,442-5,672, 6/2 5,578 Mesaverde, 6,442-5,672, 6/22/1970 J Hard Packed Fill, 6,578-5,603, Could not clean out past 5578 (hard, PBTD after 2005 workover PBTD (Sidetrack 1), 5,603, New stidey fill) 5,603 PBTD after 1998 workover. Hard Packed Fill, 5,603-5,680, Could not clean out past 5603' (hard 5,672 PBTD (Sidetrack 1), 5,680, 5,680 Liner Cement, 4,490-5,690, 6/20/1970, Cemented w/ 60 sx Class 50/50 poz followed by 50 sx Class A cement TOC @ 4490' (CBL) - Plugback, 5,680-5,690, 6/20/1970 5,689 5,690 -Liner, 3 1/2in, 3 069in, 4,469 fiKB, 5,690 fiKB 5,700 TD (Sidetrack 1), 5,700, 6/20/1970 Plugback, 5,690-5,700, 8/20/1970 Report Printed: 7/31/2009

## Hale #1 Current

## Blanco Mesaverde

#### 990' FNL & 1190' FEL, Section 27, T-31-N, R-8-W San Juan County, NM/ API #30-045-10356

Lat: N 36°52'26.159"/ Long: W 107°39"27.119"

Today's Dale: 7/27/09 Spart 7/8/52 10.75° 40.5# J-55 Casing set @ 195' 100 sxs cement, circulated to surface Comp: 8/18/94 Elevation: 6311' GL 12.25" Hole 6319" KB Nacimiento @ 696" "est Casing leak 1098" - 1130' Sqz w/150 exe, still leaks (2008) Casing leak 1261' = 1358' Sqz w/250 6x6, siii leak6 (2006) Ojo Alamo @ 1995' "est 2-1/16\* Tubing sel al 5435\* (173 jbs., 3.25#, J-55 IJ wireds and pump) Kirland @ 2113" est Casing leak 2457" - 2498/ Sqz w/250 6x6, s/III (eak6 (2008) Fruitland @ 2866" "est Pictured Cliffs @ 3215 Chaora @ 3694" "est 5.5" TOC @ 3945' (T.S.) 3.5" Lines top @ 4476" Lines TOC & 4490" (CBL) 5.5" 148/15.5#, J-55 Casing @ 4833" Cemersed with 225 sxs 8.75" Hote Mesaverde @ 4920 Mesaverde Perforations: 5110 - 5572 4.75" Hole 3.5°, 7.7, 3-55 Casing @ 5697° Cemented with 110 axis Open Hole sq2°d w/ 300 axis (1970) TD 5747 PBTD 5680<sup>4</sup>

COTE 5578

#### Hale #1 Proposed P&A

#### Blanco Mesaverde

990' FNL & 1190' FEL, Section 27, T-31-N, R-8-W San Juan County, NM / API #30-045-10356

Lat: N 36\*52'26.159"/ Long: W 107\*39"27.119"

Plug #7: 245" - 0" Class 8 cement, 120 exa

Today's Dale: 7/27/09 Spart: 7/8/52. Comp: 8/18/94 Elevation: 6311' GL 6319°KB

12.25" Hole

10.75° 40.5# J-55 Casing set @ 195' 100 exe cement, circulated to surface

Perforate @ 245\*

Fruitiand @ 2888" "est

Pictured CIT/s @ 3215'

8.75° Hole

4.75" Hale

Coment Relation @ 696'

Plug #6: 746' - 646' Class 8 cement, 60 exist 43 outside and 17 inside Perforate & 746"

Casting feat. 1098' = 1130' Sqz w/150 exe, s## /bake (2008)

Casing leak 1261' = 1358' Sqz w/250 6x6, sill leaks (2008)

Coment Relainer @ 2113'

Plug #5: 2163' — 1945' Class 8 cement, 96 sxs: 65 ouiside and 31 inside

Perforate @ 2163

Casing leak 2467' - 2498' Sqz w/250 sxs, still (Baks (2008)

Coment Relation @ 3215\*

Plug #4: 3265 - 2838\* Class 8 cement, 237 axs: 183 outside and 54 inside

Perforate @ 3265

Coment Relainer @ 3894\* Perforate @ 3940

Plug #3: 3940' - 3840' Class B cement, 60 exe 43 outside and 17 inside

5.5" TOC @ 3945" (T.S.)

3.5" Lines top @ 4476"

Perforate @ 4488\* Liner TOC @ 4490" (CBL)

Plug #2: 4526 - 4426 Class B cement, 17 axa

5.5°, 146/15.5#, J-55 Casing @ 4833° Cemented with 225 sxs

Cement Relainer @ 5060\*

Plag #1: 5000\* - 4783\* Class 8 cement, 15 exs Mesaverde Perforations:

5110 - 5672

3.5°,7.7#, J-55 Casing @ 5697 Cemented with 110 sxs. Open Hote sqz/d w/ 300 sxs (1976)

TD 5747 PBTD SG80<sup>4</sup> COTD 5578

Nacimienio @ 696' "est

Cjo Alamo @ 1995' "est

Kirljand @ 2113' "est

Chacra @ 3694" "est

Mesawerde @ 4920

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT FARMINGTON DISTRICT OFFICE

1235 LA PLATA HIGHWAY FARMINGTON, NEW MEXICO 87401

Attachment to notice of Intention to Abandon:

Re: Permanent Abandonment

Well: 1 Hale

#### CONDITIONS OF APPROVAL

- 1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
- 2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 599-8907.
- 3. The following modifications to your plugging program are to be made:
- a) Bring the top of the Mesaverde/5 ½" Casing Shoe plug to 4738'.
- b) Place the Chacra plug from 3994' 3894' inside and outside the 5  $\frac{1}{2}$ " casing if no cement is present in the annulus.
- c) Place the Kirtland/Ojo Alamo plug from 2188' 1964' inside and outside the 5 ½" casing.
- d) Place the Nacimiento plug from 718' 618' inside and outside the 5 1/2" casing.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.