Susana Martinez Governor

David Martin Cabinet Secretary-Designate

Brett F. Woods, Ph.D. Deputy Cabinet Secretary Jami Bailey, Division Director Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following <u>3160-4 or 3160-5</u> form.

Operator Signature Date: 7/11/13

Well information:

	Woll											3		
API WELL # Well N	ame	Or	erator Name		Type	Stat	County	Surf Owner	UI	Sec	Twp	N/S	Rng	W/E
100 March 100 Ma	#	, in the second s							1.3		- P		<u> </u>	100
		DUDUNOTO	NIDECOUDO	10 DI	0		C	r.		20	27	NI	10	117
30-045- HUERFA	NU 213E	BORLINGIO	IN RESOURCE	es uil a j	U I	А	san	r	A	30	27	IN I		w
24847-00-00 UNIT		GAS COMPA	NY LP				Juan							
1					L	t		L		ĩ				

Conditions of Approval:

*Notify NMOCD 24hrs prior to beginning operations.

*Add inside/outside plug from 3155-3055

NMOCD Approved by Signature

AUG 1 9 2013

Date

		REAL			
Form 3160-5 (August 2007)	UNITED STAT DEPARTMENT OF THE BUREAU OF LAND MAT	es interior JUL 1 nagement	2 2013	FORM A OMB No Expires: J	APPROVED . 1004-0137 /uly 31, 2010
		The vie would be in the	Haid O	Sillease Serial No.	M-03017
:	SUNDRY NOTICES AND REP	ORTS ON WELLS		6. If Indian, Allottee or Tribe N	Vame
Do not abandoi	use this form for proposals ned well. Use Form 3160-3 (A	to drill or to re-enter (APD) for such propos	an als		
1 Type of Well	SUBMIT IN TRIPLICATE - Other ins	structions on page 2.		7. If Unit of CA/Agreement, N	ame and/or No. erfano Unit
Oil Well	X Gas Well Other			8. Well Name and No. Huerfa	no Unit 213E
2. Name of Operator	lington Resources Oil & Gas			9. API Well No. 30-0	45-24847
3a. Address PO Box 4289, Farm	ington, NM 87499	3b. Phone No. (include area c (505) 326-970	ode) . O	10. Field and Pool or Explorate Bas	ory Area
4. Location of Well (Footage, Sec Surface UNIT	c., T.,R.,M., or Survey Description) TA (NENE), 940' FNL & 790' F	ی EL, Sec. 36, T27N, R	eω ₩	11. Country or Parish, State San Juan ,	New Mexico
12. CHE	CK THE APPROPRIATE BOX(ES)	TO INDICATE NATURE	OF NOT	TICE, REPORT OR OTH	ER DATA
TYPE OF SUBMISSIO	ON	TYPE	OF AC	TION	··
Notice of Intent	Acidize Alter Casing Casing Repair Change Plans	Deepen Fracture Treat New Construction X Plug and Abandon		roduction (Start/Resume) eclamation ecomplete emporarily Abandon	Water Shut-Off Well Integrity Other
Final Abandonment Notic	ce Convert to Injection	Plug Back		Vater Disposal	mate duration thereof
following completion of the Testing has been completed. determined that the site is re Burlington Resour wellbore schemation attached. A closed Permit # 11258.	involved operations. If the operation result . Final Abandonment Notices must be filed ady for final inspection.) ces requests permission to F cs. The Pre-Disturbance site loop system will be used - C	is in a multiple completion or re only after all requirements, inc P&A the subject well visit was held on 7/9 L C144 Permit was a	completion luding recl coer the /13 w/ l lready s	n in a new interval, a Form 316 lamation, have been completed attached procedure, Bob Switzer. The Re submitted 5/28/13 and	0-4 must be filed once and the operator has current and proposed -Vegetation plan is d approved 6/6/13 -
				RCVD	JUL 18 13 1940 - 1941
				۳-۳۵.۵-۳۰ ۱۳۰۶ ۱۳۰۶	XIST. 3
14. I hereby certify that the fores	going is true and correct. Name (Printed/T)	vped)			
Denise Journey	1	Title Regu	latory T	Sechnician	· · · · · · · · · · · · · · · · · · ·
Signature	Frany	Date		7/11/2013	
	THIS SPACE FO	OR FEDERAL OR STA	TE OF	FICE USE	
Approved by Or	iginal Signed: Stephen Mason		îitle		JUL 1 6 2013
Conditions of approval, if any, and that the applicant holds legal or entitle the applicant to conduct or	re attached. Approval of this notice does no equitable title to those rights in the subject I perations thereon.	of warrant or certify ease which would	Office		1
Title 18 U.S.C. Section 1001 and false fictitious or froudulent stat	1 Title 43 U.S.C. Section 1212, make it a crements or representations as to any matter b	ime for any person knowingly a within its jurisdiction	nd willful	ly to make to any department or	agency of the United States any
(Instruction on page 2)		Ŕ			

ConocoPhillips HUERFANO UNIT 213E Expense - P&A

Lat 36° 32' 10.464" N Long 107° 50' 26.232" W

PROCEDURE

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.

Set a Three Slip Stop, possible plunger equipment downhole.

1. Hold pre-job safety meeting. Comply with all NMOCD, BLM, and COPC safety and environmental regulations. Test rig anchors prior to moving in rig.

2. MIRU work over rig. Check casing, tubing, and bradenhead pressures and record them in Wellview.

3. When an existing primary valve (i.e. casing valve) is to be used, the existing piping should be removed and replaced with the appropriate piping for the intended operation.

4. RU blow lines from casing valves and begin blowing down casing pressure. Kill well with water, as necessary, and at least pump tubing capacity of water down tubing.

5. ND wellhead and NU BOPE. Pressure and function test BOP. PU and remove tubing hanger.

6. TOOH with tubing/rods (per pertinent data sheet).

Tubing:	Yes	Size:	2-3/8"	Length:	6754'
PBTD:	6904'				

7. Round trip Watermelon Mill to 6596', or as deep as possible.

8. RIH and set a cement retainer for 4-1/2" 10.5# casing at 6,596'. Pressure test tubing to 1000 psi. Load casing with water and attempt to establish ciculation. Pressure test casing to 560 psi. Run CBL and adjust plugs accordingly. If casing does not test, then spot and tag subsequent plugs as necessary.

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

9. Plug 1 (Perforations, Dakota and Graneros Formation Tops, 6496-6596', 12 Sacks Class B Cement)

Mix 12 sx Class B cement and spot inside the casing above CR to isolate the Dakota perforations and Dakota and Graneros formation tops. POOH.

10. Plug 2 (Gallup Formation Top, 5676-5776', 50 Sacks Class B Cement)

Perforate 3 HSC holes at 5,776'. Set a cement retainer for 4-1/2" 10.5# casing at 5,726'. Establish injection rate into squeeze holes. Mix 50 sx Class B cement. Squeeze 38 sx Class B cement into HSC holes and leave 12 sx cement inside casing to isolate the Gallup formation top. PUH.

4910 4810

11. Plug 3 (Mancos Formation Top, 4860-4960', 12 Sacks Class B Cement)

Mix 12 sx Class B cement and spot a balanced cement plug inside casing to isolate the Mancos formation top. POOH.

12. Plug 4 (Mesa Verde Formation Top, 3730-3830', 51 Sacks Class B Cement)

Perforate 3 HSC holes at 3,830'. Set a cement retainer for 4-1/2" 10.5# casing at 3,780'. Establish injection rate into squeeze holes. Mix 51 sx Class B cement. Squeeze 39 sx Class B cement into HSC holes and leave 12 sx cement inside casing to isolate the Mesa Verde formation top. PUH.

1135

13. Plug 5 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo Formation Tops, 1229-2267', 88 Sacks Class B Cement) Mix 86 sx Class B cement and spot a balanced cement plug inside casing to isolate the Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo formation tops. POOH.

14. Plug 6 (Surface Casing Shoe and Surface Plug, 0-272', 160 Sacks Class B Cement)

Perforate 3 HSC holes at 272'. Establish circulation out bradenhead with water and circulate BH annulus clean. Mix 160 sx Class B cement and pump down production casing to circulate good cement out the bradenhead to isolate the surface casing shoe. Shut in well and WOC.

15. Nipple down BOP and cut off casing below the casing flange. Install P&A marker with cement to comply with regulations. Rig down, move off location, cut off anchors, and restore location.

Build Any Lease Destruction of the state of	,279
6,446.00 6,458.00 7 12.00 12 ftK8 ttK9 Well Config: Original Hole, 4/3/2013 7:59:32 AM Frm Final 12 Schematic - Actual Frm Final Frm Final 12 Internet of tk8 Central Well Config: OUD ALAMO, 1 12 Internet of tk8 Central Well Schematic Frm Final 12 Internet of tk8 Central Well 90 sx cement. Central Well 90 sx cement. 12 Internet of tk8 Central Well 90 sx cement. Central Well 90 sx cement. 1151 Surface & 578in, 8.097in, 12 ftk8, 222 ftk8 Surface & 578in, 8.097in, 12 ftk8, 222 ftk8 230 Froutction Casing Cement, 1,151-2,414, 126/1981, Cemented 3rd stege w/ 325 sx Class B 65/35 poz. TOC @ 1151'. CHACRA, 3,1 1,437 Internet of the stege w/ 325 sx Class B 65/35 poz. TOC @ 1151'. CHACRA, 3,1 3,780 Internet of tk88 POINT LONG, 1 CLIFF HOUSE, 2 3,896 MENEFEE, 3 POINT LONG, 1 COINT LONG, 1	,279
Well Config: - Original Hole, 4/3/2013 7:59:32 AM ftK8 ftK8 ftK8 Frm Final 12 Schematic - Actual Frm Final 12 Surface Cesing Cement, 12-222, 11/24/1981, Cemented w/190 sx cement. Circulated 12.5 bbls cement.	,279
(MD) (TVD) Schematic - Actual Frm Final 12 12 Surface Casing Cement, 12-222, 11/24/1391, Cemented w/ 190 sx cement. Circulated 125 bbls cement. Surface Casing Cement, 12-222, 11/24/1391, Cemented sx rement. Surface Casing Cement, 12-222, 11/24/1391, Cemented sx rement. 220 221 Surface Casing Cement, 12-222, 11/24/1391, Cemented sx rement. Surface Casing Cement, 12-222, 11/24/1391, Cemented sx rement. 1,151 Surface, 8 5/8in, 8.097in, 12 ftKB, 222 ftKB Surface, 8 5/8in, 8.097in, 12 ftKB, 222 ftKB 2,217 Surface, 8 5/8in, 8.097in, 12 ftKB, 222 ftKB Surface, 8 5/8in, 8.097in, 12 ftKB, 222 ftKB 2,217 FRUITLAND, 1 Production Casing Cement, 1,151-2,414, 12/8/1981, Cemented 3rd stage w/ 325 sx 2,411 Stage Tool @ 2414 Stage Tool @ 2414 Stage Tool @ 2414 3,120 Tubing, 2 3/8in, 4.70bs/m, J-55, 12 Class B 65/35 poz. ToC @ 1151'. CHACRA, 3, 13/89 3,896 MENEFEE, 3, 3896 MENEFEE, 3, 3896 POINT LONCE POINT LONCE	,279
12 Surface Casing Cement, 12-222, 11/24/13B1, Cemented w/ 190 sx cement. Circulated 125 bbts cement to surface. Surface, 8 5/8in, 8.097in, 12 ftKB; 222 ftKB 230 Surface Casing Cement, 12-222, 11/24/13B1, Cemented w/ 190 sx cement. Circulated 125 bbts cement. Surface, 8 5/8in, 8.097in, 12 ftKB; 222 ftKB 1,151 Frould, 12 ftKB; 222 ftKB 1,437 FRUITLAND, 1 2,217 FRUITLAND, 1 2,217 Production Casing Cement, 1,151-2,414, 128/1981, Cemented 3rd stage w/ 325 sx 2,413 Etage Tool @ 2414 3,120 Tubing, 2 3/8in, 4.700s/m, J-55, 12 ftKB, 5/719 ftKB 3,896 MENEFEE, 3 3,896 POINT LOOKS, 4,633	,279 137 790 FS, 20
220 11/2/41/381, Cemerited w/190 sx cement. Circulated 12.5 bibls cement to surface. 230 Surface, 6 5/8in, 8.097in, 12 ft/kB, 222 ft/kB 1,151 Surface, 6 5/8in, 8.097in, 12 ft/kB, 222 ft/kB 1,437 KiRTLAND, 1, PicTuReD cli 1,790 Production Casing Cement, 1,151-2,414, 128/1981, Cemerited 3rd stege w/325 sx 2,411 Class B 65/36 poz. TOC @ 1151'. 2,413 Class B 65/36 poz. TOC @ 1151'. 3,780 12 ft/kB, 6,719 ft/kB 3,895 MENEFEE, 3, 9,895	,279 137 790 FS, 20
221 230 Surface, 8 5/8 in, 8.097 in, 12 ftkB; 222 ftkB 1,151	,279
230 1,151 1,279 OJO ALAMO, 1 1,437 FRUTLAND, 1 1,437 FRUTLAND, 1 1,790 FRUTLAND, 1 2,217 FRUTLAND, 1 2,411 Stage Tool @ 2414' 2,413 Stage Tool @ 2414' 2,414 Stage Tool @ 2414' 12/6/1/981, Cemented 3rd stage w/ 325 sx Class B 65/35 poz. TOC @ 1151'. 3,780 CLIFF HOUSE, 3,895 MENEFEE, 3, 4,633 POINT LOOKC	,279 137 790 FS, 20
1,151 0.00 ALAMO, 1 1,279 0.00 ALAMO, 1 1,437 FRUITLAND, 1 1,790 FRUITLAND, 1 2,217 Production Casing Cement, 1,151-2,414, 1 2,411 2,217 2,413 Stage Tool @ 2414 3,120 Tubing, 2 3/8in, 4 70bs/m, J-S5, 1 3,780 12 ft/KB, 5,719 ft/KB 3,895 MENEFEE, 3, 3,895 4,633 POINT LOOKC	,279 i37 790 FS, 20
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1,437	437 — 790 — "FS, — 20 —
1,790 FRUITLAND, 1 2,217 Picture CLI 2,411 2,413 2,413 Production Casing Cement, 1,151-2,414, 12/2/1381, Cemented 3rd stage w/ 325 sx 3,120 Tubing, 2 3/8in, 4.70 hs/ht, J-55, 12/3/1891, Cemented 3rd stage w/ 325 sx 3,780 12 ft/kB, 6,719 ft/kB 3,896 MENEFEE, 3, 4,53	790 — FS, 20 —
2,217 Production Casing Cement, 1,151-2,414, 2,411 2,413 2,414 Stage Tool @ 2414' 3,120 Tubing, 2 3/8in, 4.70ibs/ft, J-55, 3,780 12 ft/KB, 5/19 ft/KB 3,895 Class D 65/35 poz. TOC @ 1151'. 4,633 POINT LOOKE	20
2,411 Production Casing Cement, 1,151-2,414, 2,413 Production Casing Cement, 1,151-2,414, 2,414 12,8/1981, Cemented 3rd stage w/ 325 sx 3,120 Tubing, 2 3/8in, 4.70% s/H, J-55, 3,780 12 ft/KB, 6,719 ft/KB 3,895 OLIFF HOUSE, 3 4,633 POINT LOOKC	 20
Z,413 Estage Tool @ 2414' Production Casing Cement, 1,151-2,414, 12/6/1981, Cemented 3rd stage w/ 325 sx 3,120 Tubing, 2 3/8in, 4.70ibs/ft, J-55, 12 ftkB, 5,719 ftkB Class B 65/35 poz. TOC @ 1151'. C LIFF HOUSE, 3, 3695 3,895	 20
12/414 Stage Tool (2) 2414 12/6/15/81, Cemented and stage W/ 325 sx 3,120 Tubing, 2 3/8/n, 4.70 is /ft, J-55, Class B 65/35 poz. TOC (2) 1151' CLIFF HOUSE, 3, 3/877 3,677	20
3,120 1100mg, 2.3%in, 4.700s/m, 4.55, 0	20
3,807 3,895 4,633	2 200
3,695 4,633	7,700 —
4,633 POINT LOOKC	
	UT,
4,910 MANOS, 4	10
5,235	
5,237	
5,237 [Stage Tool @ 5237] Production Cesing Cenent, 3,896-5,237	
5,237 22/1 2/2/1 2/2/2/2/1 2/2/2/2/2/2/2/2/2/	
5,726 GALLUP, 5,7	26
5,892	•
6,435	
G,560 GREENHORN,	3,560 —
	.
GRANEROS, 6	,611 —
Hydraulic Fracture, 12/15/1981, 6,546 Frac'd w/ 55.000# 20/40 send:	
6,719 50,022 gals water.	
6,721 Ubing, 2 3/8in, 4.70bs/ft, J-55, 1 6,721 tkB, 6,753 tkB	
6,753 Seal Nipple, 2 3/8in, 6,753 fiKB,	
6,754 6,754 ftKB	
6,754 #KB, 6,754 #KB	
6,819 6,819 12/8/1981, Cemented 1st stege w/165 sx	l
6,904 PBTD, 6,904 Class B 50/50 poz. TOC @ 5892' w/ 75%	
6,906	

	·····	Proposed Sc	hematic	
Conoco Well Nan	Rhillips ne: HUERFANO UNIT#213E	· · · · · · · · · · · · · · · · · · ·	· ·	
3004524847	NMPM,036-027N-010VV	INITAR CONTRACTOR CANA	Ctrle/Provision NEVV MEXICO	Vise II Costage (200) Type
Ground Electrics (1) 6,446.0	Ондван Б/ВТ Ексалон (то 0 6,458.00	16-Groted Distance - m 12,00	1 8-4" 20 11 9 Finge Oktoice its	I I-Tushg Haiger Di taite gi
		Well Config: - Original Hole	1/1/2020	
(MD) (TVD	9 · · · · · · · · · · · · · · · · · ·	Schematic - Actual		Frm Final
12	**************************************		ace Casing Cement, 12-222,	
220			4/1981, Cemented w/ 190 sx c	cement.
221			ace, 8 5/8in, 8.097in, 12 ftKB,	222 ftKB
272		Plug	#6, 12-272, 1/1/2020, Mix 127	5X
1,151		Tal Tal Virod	s B cement and pump down uction casing to circulate good	I cement
1,229	1	out t	he bradenhead to isolate the s	
1,437		casi	ng shoe.	KIRTLAND, 1,437 -
1,790			#5, 1,229-2,257, 17172020, Mb s B cement and spot a balance	RED UT AND 4 700
2,217		cem	ent plug inside casing to isolate	e the 2,217
2,207	· ·	Pictu	red Cliffs, Fruitland, Kirtland, a	and Ojo
2,413		- · Prod	uction Casing Cement, 1,151-2	2.414.
2,414	Stage Tool @ 2414		/1981, Cemented 3rd stage wi	325 sx
3,120		Clas	s B 65/35 poz. TOC @ 1151',	CHACRA, 3 120
3,780			#4, 3,730-3,830, 1/1/2020, Mis	x 51 sx
3,781	Cement Retainer, 3,780-3,781	Clas	s B cement. Squeeze 39 sx Cl	ass B
3,630	• •	cem	ent into HSC holes and leave 1 ent inside casing to isolate the	2 SX MENEFEE 3 877
3,896		Ver	te formation top.	
4,633				
4,860		Piug	#3, 4,860-4,960, 1/1/2020, Mb	x 12 sx
4,960		Cles	s B cement and spot a balance	ed
5,235		Man	cos formetion top.	
5,237		· · Proc	luction Casing Cement, 3 896-	5,237,
5,237	Stage Tool @ 5237	12/8	/1981, Cemented 2nd stage w	/ 345 sx
5,676		eff.	S D 03/33 p02, 100 @ 3030	
5,726	Cement Retainer, 5,726-5,727	Plug	#2, 5,676-5,776, 1/1/2020, Mi	x 50 sx GALLUP, 5,726
5,727		Clas	s Bicement, Squeeze 38 sx C ent into HSC holes and leave 1	lass B
5 892			ent inside casing to isolate the	Gailup
6,435	مستنصيم	mill form	nation top.	╺╾╾┹┫┄┄╴╴╴
6,496		Plug	#1, 6,496-6,596, 1/1/2020, Mi	X 12 SX GREENHORN & SEA
6,596	Cement Relainer 6 598 6 597	Clas	is B cement and spot inside th	e casing
6,597	[Comore Relation, 0,000-0,007]	· · · · · · · · · · · · · · · · · · ·	Dakota and Graneros formatic	n tops.
6,611			······································	GRANEROS, 6,611
6,638				DAKOTA, 6,638
6,546				• • • • • · · ·
6,719	Hydraulic Fracture, 12/15/1981,			
6,753	Frac'd w/ 55,000# 20/40 sand; - 50,022 gals water.		Juction Casing Cement 5 892-	6 922
6,754		120	8/1981, Cemented 1st stage w	/ 165 sx
6,754			IS B 65/35 poz followed by 10	0 sx
6,904	PBTD, 6,904	· · · · · · · · · · · · · · · · · · ·	5092 DO 50/30 poz. TOC @ 5092	· · · · · · · · · · · · · · · · · · ·
6,906	•	Cer	ent Plug, 6,904-6,922, 12/8/19	B1, PBTD
6,921	TD, 6,922, 12/8/1981	Pro	suction, 41/2in, 4.000in, 12 ftH	
	<u> </u>	Page 1/1		Report Printed: 5/7/2

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

6251 COLLEGE BLVD. FARMINGTÓN, NEW MEXICO 87402

Attachment to notice of Intention to Abandon:

Re: Permanent Abandonment Well: 213E Huerfano Unit

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) 564-7750.

3. The following modifications to your plugging program are to be made:

a) Place the Mancos plug from 4910' - 4810'.

b) Place the Pictured Cliffs/Fruitland/Kirtland/Ojo Alamo plug from 2267' - 1135'.

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.