Form 3160-5 (April 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FUKIVI/AI		
OMB'NO.	1004-0	0137
Expires Ma		

5. Lease Serial No.

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SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an

NMSF-080566
6. If Indian, Allottee or Tribe Name

abandoned well. Use Fort	m 3160-3 (APD) for suc	h proposals.		
SUBMIT IN TRIPLICATE -	Other instructions on	reverse side	7. If	Unit or CA/Agreement, Name and/or No
1. Type of Well Oil Well X Gas Well Other  2. Name of Operator			, ··	'ell Name and No. rance Federal 7
ENERGEN RESOURCES CORPORATION				PI Well No.
3a. Address	1	Phone No. (include ar	<u> </u>	039-21769
2198 Bloomfield Highway, Farmington				Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey is	- ·		Buan	nco MV
2080' FNL, 1023' FWL, Sec. 4, T25N,	RSW, N.M.P.M.		11.	County or Parish, State
			Rio	Arriba NM
12. CHECK APPROPRIATE	BOX(ES) TO INDICA	TE NATURE OF	·	
TYPE OF SUBMISSION	TYPE OF ACTION			
X Notice of Intent	Acidize	Deepen	Production (Start/	Resume) Water Shut-Off
#L	Alter Casing	Fracture Treat	Reclamation	Well Integrity
Subsequent Report		=		
/ <b>v</b> = _	Casing Repair	New Construction	Recomplete	Other
Final Abandonment Notice	Change Plans	X Plug and Abandon	Temporarily Aban	don
	Convert to Injection	Plug Back	Water Disposal	
determined that the final site is ready for final inspe Energen Resources intends to plug procedure.	•	1350		the attached  PROFINED  12 15
14. I hereby certify that the foregoing is true and correct Name (Printed/Typed)  Vicki Donaghey		Title Regula	atory Analyst	
THE DEMOGRACY	S SPACE FOR FEDERA			
Approved by Original Signed: Stephen		Title		Date NOV 0 ? 2005
Conditions of approval, if any, are attached. Approval certify that the applicant holds legal or equitable title to which would entitle the applicant to conduct operations to	of this notice does not warrar o those rights in the subject 1	it or Office		

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes 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.

### PLUG AND ABANDONMENT PROCDURE

October 19, 2005

#### Florance Federal #7

Blanco Mesaverde 2028' FNL & 1023' FWL, NW, Section 4, T25N, R3W Rio Arriba County, New Mexico, API #30-039-21769

Note: 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.

Cement will be ASTM Type III, mixed at 14.8 ppg with a 1.32 cf/sx yield or Class B.

- Install and test location rig anchors. Prepare blow pit. Comply with all NMOCD, BLM, and Energen safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line and blow down well; kill with water as necessary. ND wellhead and NU BOP. Test BOP.
- 2. TOH and tally 2.375" tubing, total 6165', SN at 6134'. If necessary, LD tubing and use a workstring. Roundtrip 5.5" casing scraper to 5522'.
- 3. Plug #1 (Mesaverde perforations and top, 5522' 5422'): TIH and set 4.5" CR at 5522'. Pressure test tubing to 1000#. Load casing with water and circulate well clean. Pressure test casing to 800#. If casing does not test, then spot or tag subsequent plugs as appropriate. Mix 16 sxs Type III and spot a balanced plug inside casing above CR to isolate the Mesaverde perforations. PUH to 3948'.
- 4. Plug #2 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 3948' 3395'): Mix 63 sxs cement and spot a balanced plug inside casing to cover from the PC top through the Ojo Alamo top. PUH with tubing to 1840'.

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- 5. Plug #3 (Nacimiento top, 1840' 1740'): Mix 16 sxs cement and spot a balanced plug inside the casing to cover the Nacimiento top. TOH and LD tubing.
- 6. Plug #4 (8.625" Surface casing, 577' Surface): Perforate 3 squeeze holes at 577'. Establish circulation out the bradenhead valve with water. Mix and pump approximately 155 sxs cement down the 5.5" casing to circulate good cement out bradenhead valve. Shut well in and WOC.
- 7. 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.

# Florance Federal #7

## Proposed P&A

Blanco Mesaverde

2028' FNL & 1023' FWL, Section 4, T-25-N, R-3-W Rio Arriba County, NM / API #30-039-21769

Today's Date: 10/19/05

Spud: 4/16/78 Comp: 2/19/79 Elevation: 7388' GL 7400' KB

Nacimiento @ 1790'

Ojo Alamo @ 3445'

Kirtland @ 3620'

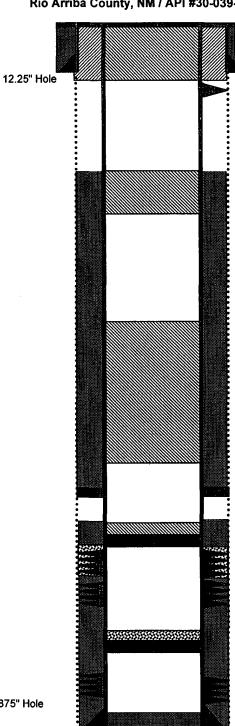
Fruitland @ 3750'

Pictured Cliffs @ 3898'

Mesaverde @ 5570'

Gallup @ 6810'

7.875" Hole



TD 7750' **PBTD 6650'** 

8.625" 24# J-55 Casing set @ 527' 325 sxs cement, circulated to surface

Perforate @ 577'

Plug #4: 577' - 0' Type III cement, 155 sxs

Top of Cmt @ 1700' (Calc, 75%)

Plug #3: 1840' - 1740' Type III cement, 16 inside

Plug #2: 3948' - 3395' Type III cement, 63 sxs

Plug #1: 5522' - 5422' Type III cement, 16 sxs

DV Tool @ 4510'

Cemented with 450 sxs (649 cf)

Top of Cmt @ 5300' (CBL)

Set CR @ 5522'

Mesaverde Perforations: 5572' - 5858'; sqz'd w/150 sxs (2001)

5984' - 6170'

Set CIBP @ 6650' and dump bail 5 sxs cement (1978)

Gallup Perforations: 7280' - 7358'

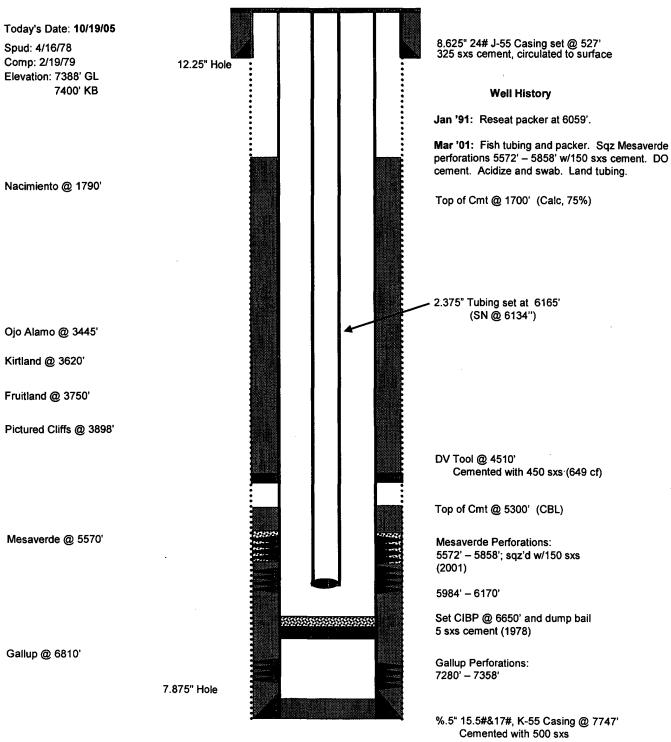
%.5" 15.5#&17#, K-55 Casing @ 7747' Cemented with 500 sxs

# Florance Federal #7

### Current

### Blanco Mesaverde

2028' FNL & 1023' FWL, Section 4, T-25-N, R-3-W Rio Arriba County, NM / API #30-039-21769



TD 7750' PBTD 6650'