bmit 3 Copies to Appropriate District Office

# State of New Mexico Energy, Minerals and Natural Resources Department

Form C 103 Revised 1-1-89

DISTRICT I	200	OIL CON	SERVA	ATIO	N DIVISIO	N			
P.O. Box 1980, Hobbs, NM S8240				ox 208			WELL API NO.		
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this space for State Use) ORIGINA	IC SIGNED E	BY ERNIE BUSC	CFI .		DEPUTY OIL & G	SAS INS	Pector, dist.	MAR	1 6 19

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ONITIONS OF APPROVAL, IF ANY:

IPPROVED BY

### **Bruington LS #4**

### Basin Dakota 2200' FSL & 1650' FWL / SW, Sec. 6, T30N, R11W San Juan County, New Mexico

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.

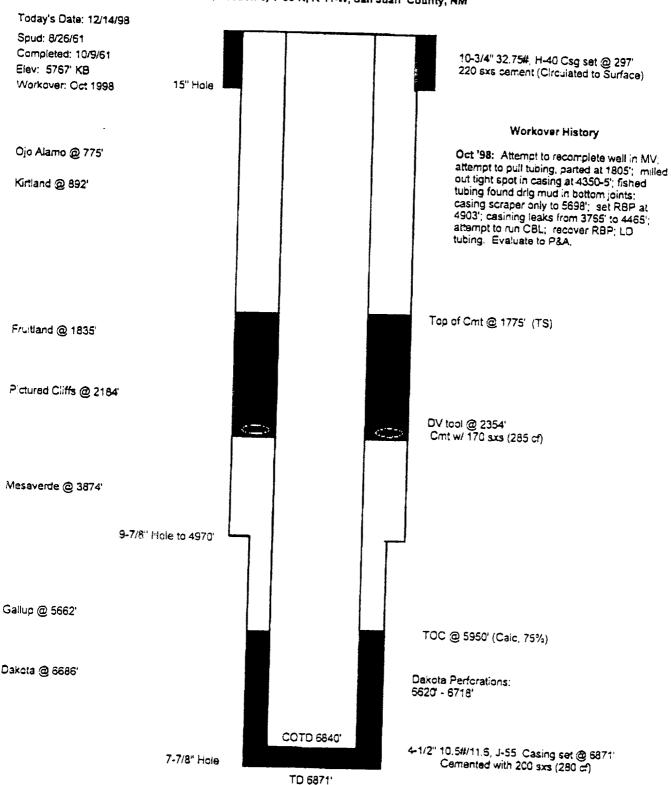
- Install and test rig anchors. Prepare blow pit. Comply with all NMOCD, BLM and Conoco safety rules and regulations.
- MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Lay relief line to pit and blow well down; kill with water as necessary.
- 3. ND wellhead and NU BOP and stripping head; test BOP. Prepare and tally 2" tubing workstring. RIH with 4-1/2" gauge ring or casing scraper to 6580' or as deep as possible.
- 4. Plug #1 (Dakota perforations and top, 6580' 6480'): Set 4-1/2" wireline CIBP at 6580'. RIH with tubing and tag CIBP. Load casing with water and establish rate into leaks. Note and observe wellbore fluid level while cementing to determine hole stability; tag subsequent plugs as appropriate. Spot 12 sxs Class B cement above CIBP to isolate Dakota perforations and cover top. POH with tubing.
- 5. Plug #2 (Gallup top, 5712' 5612'): Perforate 3 HSC squeeze holes at 5712'. If casing tested establish rate into squeeze holes. Set 4-1/2" cement retainer at 5662'. Pressure test tubing to 1000#. Establish rate into squeeze holes. Mix 51 sxs Class 8 cement, squeeze 39 sxs cement outside casing and leave 12 sxs inside casing to cover Gallup top. POH
- 6. Plug #3 (Mesaverde top, 3924' 3824'); Perforate 3 HSC squeeze holes at 3924'. Set 4-1/2" cement retainer at 3874'. TIH with tubing and establish rate into squeeze holes. Mix 83 sxs Class 3 cement, squeeze 71 sxs cement outside casing and leave 12 sxs inside casing to cover Mesaverde top. POH with tubing to 2234'.
- Plug #4 (Pictured Cliffs and Fruitland tops, 2234' 1785'): Mix 38 sxs Class 8 cement and spot a balanced plug to cover Pictured Cliffs and Fruitland tops. POH with tubing.
- 8. Plug #5 (Kirtland and Ojo Alamo tops, 942' 725'): Perforate 3 HSC squeeze noies at 942'. If casing tested establish rate into squeeze holes. Set 4-1/2" cement retainer at 892'. Establish rate into squeeze holes. Mix 175 sxs Class B cement, squeeze 155 sxs cement outside casing and leave 20 sxs inside casing to cover Kirtland and Ojo Alamo tops. POH and LD tubing with stinger.
- 10. Plug #6 (10-3/4" casing shoe at 297"): Perforate 3 HSC squeeze holes at 347". Establish circulation out bradenhead valve. Mix approximately 180 sxs Class 3 cement and pump down 4-1/2" casing, circulate good cement out bradenhead valve. Shut in well and WOC.
- ND BOP and cut off well head below surface casing flange. Install P3A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.

## **Bruington LS #4**

#### Current

## Basin Dakota

SW, Section 6, T-30-N, R-11-W, San Juan County, NM



## **Bruington LS #4**

# Proposed P&A Basin Dakota

SW, Section 6, T-30-N, R-11-W, San Juan County, NM

