

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division

Sundry Notices and Reports on Wells

1. Type of Well GAS	API # (assigned by OCD) 30-045-24933
2. Name of Operator BURLINGTON RESOURCES OIL & GAS COMPANY	5. Lease Number Fee
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	6. State Oil&Gas Lease #
4. Location of Well, Footage, Sec., T, R, M 1450' FSL, 1850' FWL, Sec. 21, T-29-N, R-13-W, NMPM, San Juan County	7. Lease Name/Unit Name Gerard A
	8. Well No. 1E
	9. Pool Name or Wildcat Basin Dakota
	10. Elevation:

Type of Submission	Type of Action
<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other -
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to plug and abandon the subject well according to the attached procedure and wellbore diagram.

RECEIVED
OCT 14 1997

CON. DIV.
DIST. 3

SIGNATURE *Johnny Robinson* (KM2) Regulatory Administrator October 10, 1997

(This space for State Use)

Approved by *Johnny Robinson* Title DEPUTY OIL & GAS INSPECTOR, DIST. #3 Date OCT 14 1997

* P. 10, to 4-1-95

NOTIFY AZTEC OCD
IN TIME TO WITNESS *PNH*

PLUG & ABANDONMENT PROCEDURE

10-2-97

Gerard A #1E

Basin Dakota

1450' FSL and 1850' FWL / SW, Section 21, T-29-N, R-13-W

San Juan Co., 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.

1. Install and test location rig anchors. Prepare blow pit. Comply to all NMOCD, BLM, and BROGC safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line. Blow down well and kill with water as necessary. ND wellhead and NU BOP. Test BOP.
2. PU on tubing and unseat packer. POH and tally 2-3/8" tubing (5521') and LD packer; visually inspect the tubing. If necessary LD tubing and PU 2" workstring.
3. **Plug #1 (Dakota perforations and top, 5571' - 5471')**: Set 5-1/2" wireline CIBP at 5571'. RIH with open ended tubing and tag bridge plug. Load casing with water and circulate clean. Pressure test casing to 500#. If casing does not test, spot or tag subsequent plug as appropriate. Mix 17 sxs Class B cement and spot a balanced plug inside casing above the bridge plug to isolate Dakota perforations. POH to 4780'.
4. **Plug #2 (Gallup top, 4780' - 4680')**: Mix 17 sxs Class B cement and spot a balanced plug inside casing to cover Gallup top. POH with tubing.
5. **Plug #3 (Mesaverde top, 2638' - 2538')**: Perforate 3 HSC squeeze holes at 2638'. Establish rate into squeeze holes if casing tested. Set 5-1/2" cement retainer at 2588'. Establish rate into squeeze holes. Mix 47 sxs Class B cement, squeeze 30 sxs cement outside casing and leave 17 sxs cement inside casing to cover Mesaverde top. POH with tubing to 1038'.
6. **Plug #4 (Pictured Cliffs top, 1038' - 938')** Mix 17 sxs Class B cement and spot a balanced plug inside casing to cover Pictured Cliffs top. POH with tubing.
7. **Plug #5 (Fruitland top, 790' - 690')**: Perforate 3 HSC squeeze holes at 790'. Establish rate into squeeze holes if casing tested. Set 5-1/2" cement retainer at 740'. Establish rate into squeeze holes. Mix 47 sxs Class B cement, squeeze 30 sxs cement outside casing and leave 17 sxs cement inside casing to cover Fruitland top. POH and LD tubing with stinger.
8. **Plug #6 (8-5/8" Casing shoe at 229')**: Perforate 2 HSC squeeze holes at 279'. Establish circulation down 5-1/2" casing and out bradenehead. Mix and pump approximately 88 sxs Class B cement from 279' to surface, circulate cement out bradenhead. SI well and WOC.
9. BOP and cut off wellhead below surface casing. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

Recommended:

[Signature] 10/19/97
Operations Engineer

Approval:

[Signature] 10/10
Drilling Superintendent

Gerard A #1E

Current

Basin Dakota

DPNO 23763

SW, Section 21, T-29-N, R-13-W, San Juan County, NM

Lat/Long.: 36° 42.54" / 108° 12.83"

Today's Date: 10/2/97

Spud: 4/1/81

Completed: 5/4/81

Elevation: 5246' (GL)

Logs: IES, GR-Den, CBL, CCL

Workovers: May '85 and Dec '92

12-1/4" hole

Fruitland @ 740'

Pictured Cliffs @ 988'

Mesa Verde @ 2588'

Gallup @ 4730'

Dakota @ 5704'

8-5/8" 24#, K-55 Csg set @ 229'
Cmt w/ 275 sxs (Circulated to Surface)

Well History

Jan '84: Swab well

Apr '85: Install rods and pump

May '85: Rod job

?? Rods and pump removed

Aug '91: Swab well

Dec '92: Swab well, recovered drilling mud.

Dec '92: Pull rods and tubing, LD anchor;
ran casing scraper, then circulated mud out;
set packer 100' above top perf.

Top of Cmt @ 898' (CBL)

DV tool @ 1408'
Cmt w/ 319 cf

2-3/8" Tubing @ 5521'

TOC @ 3282' (CBL)

DV tool @ 3830'
Cmt w/ 334 cf

TOC @ 4726' (Calc, 75%)

Model "R" Packer @ 5521' (1992)

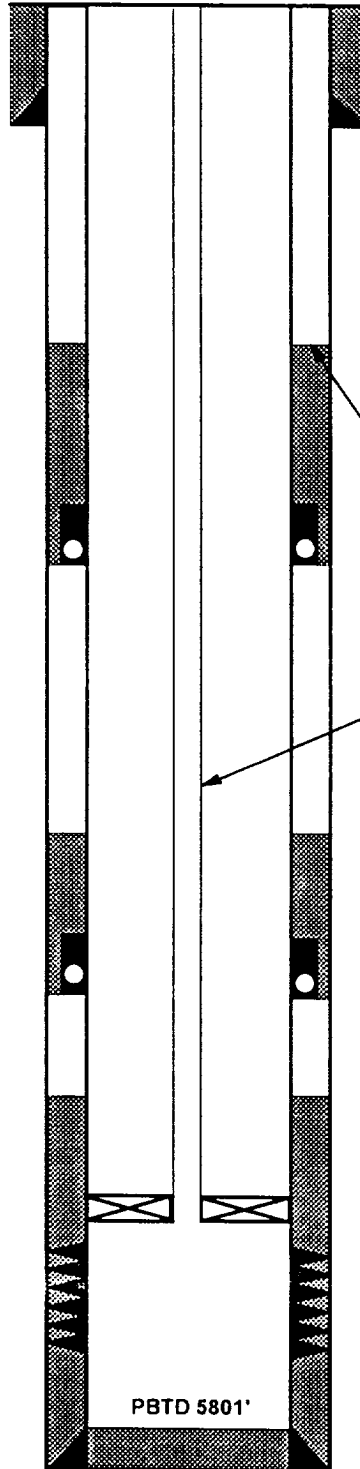
Dakota Perforations:
5621' - 5771' (12 holes)

5-1/2" 15.5#, K-55 Casing set @ 5843'
Cmt with 180 sxs (258 cf)

PBTD 5801'

7-7/8" Hole

TD 5850'



Gerard A #1E

Proposed P&A

Basin Dakota

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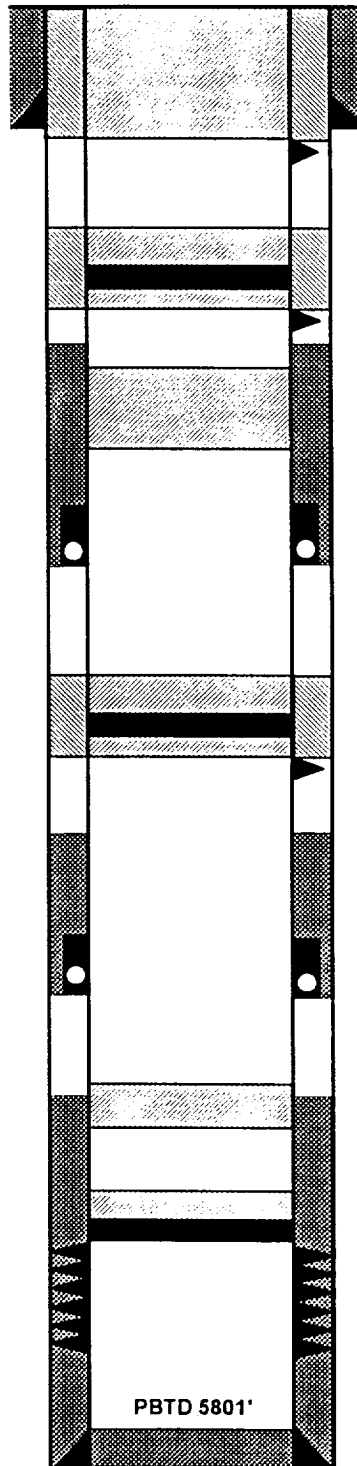
Mesa Verde @ 2588'

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Dakota @ 5704'

12-1/4" hole

7-7/8" Hole



8-5/8" 24#, K-55 Csg set @ 229'
Cmt w/ 275 sxs (Circulated to Surface)

Perforate @ 279'

Plug #6 279' - Surface
Cmt with 88 sxs Class B.

Cmt Retainer @ 740'

Perforate @ 790'

Top of Cmt @ 898' (CBL)

Plug #5 790' - 690'
Cmt with 47 sxs Class B,
30 sxs outside casing
and 17 sxs inside.

Plug #4 1038' - 938'
Cmt with 17 sxs Class B

DV tool @ 1408'
Cmt w/ 319 cf

Cmt Retainer @ 2588'

Perforate @ 2638'

TOC @ 3282' (CBL)

Plug #3 2638' - 2538'
Cmt with 47 sxs Class B,
30 sxs outside casing
and 17 sxs inside.

DV tool @ 3830'
Cmt w/ 334 cf

Plug #2 4780' - 4680'
Cmt with 17 sxs Class B

TOC @ 4726' (Calc, 75%)

Plug #1 5571' - 5471'
Cmt with 17 sxs Class B

CIBP Set at 5571'

Dakota Perforations:
5621' - 5771' (12 holes)

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